

SCHOOL DISTRICT NO. 17
a/k/a
Millard Public School District
NOTICE OF MEETING

Notice is hereby given of a Board of Education meeting of School District No. 17, in the County of Douglas, which will be held at **6:00 p.m. on Monday, November 6, 2023** at Don Stroh Administration Building 5606 S. 147th St. Omaha, NE 68137.

Agenda for such meeting, kept continuously current, is available for public inspection at the office of the superintendent at 5606 South 147th Street, Omaha, Nebraska and on the MPS website at www.mpsomaha.org.

Mike Kennedy
Secretary

11/3

ZNEZ

**THE DAILY RECORD
OF OMAHA**
JASON W. HUFF, Publisher
PROOF OF PUBLICATION

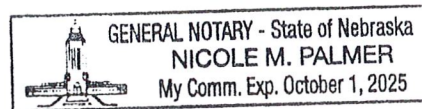
UNITED STATES OF AMERICA,
The State of Nebraska,
District of Nebraska,
County of Douglas,
City of Omaha

} ss.

JASON W. HUFF and/or JOSIE CHARRON, being duly sworn, deposes and say that they are the PUBLISHER and/or MANAGING EDITOR of THE DAILY RECORD, of Omaha, a legal newspaper, printed and published daily in the English language, having a bona fide paid circulation in Douglas County in excess of 300 copies, and a general circulation in Sarpy, Lancaster, Cass and Dodge Counties, printed in Omaha, in said County of Douglas, Nebraska for more than fifty-two weeks last past; that the printed notice here-to attached was published in THE DAILY RECORD, of Omaha, for 1 consecutive weeks on:

11/3/23

That said Newspaper during that time was regularly published and in general circulation in the County of Douglas, and State of Nebraska.



Publisher's Fee

\$23.33

Jason W Huff

Additional Copies

\$ _____

Subscribed in my presence and sworn to before me this NOVEMBER 03 2023

Filing Fee

\$ _____

Total \$23.33

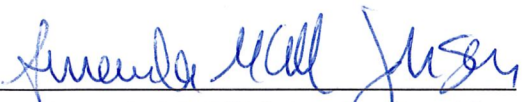
Nicole M Palmer

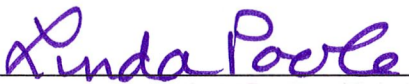
Notary Public in and for Douglas County, State of Nebraska

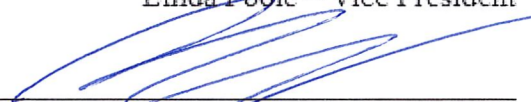
ACKNOWLEDGMENT OF RECEIPT
OF NOTICE OF MEETING

The undersigned members of the Board of Education of Millard, District #017, Omaha, Nebraska, hereby acknowledge receipt of advance notice of a meeting of said Board of Education and the agenda for such meeting held at 6:00 P.M. on November 6, 2023, at the Don Stroh Administration Center, 5606 South 147 Street, Omaha, NE 68137


Dated this 6th day of November, 2023

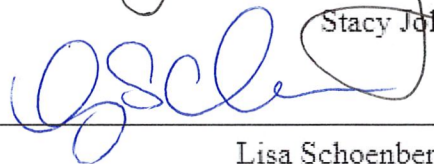

Amanda McGill Johnson – President


Linda Poole – Vice President


Mike Kennedy – Secretary


Mike Pate – Treasurer


Stacy Jolley


Lisa Schoenberger

BOARD OF EDUCATION MEETING SIGN IN

NOVEMBER 6, 2023

<u>NAME:</u>	<u>REPRESENTING:</u>	<u>Observing for a Class? (Y/N)</u>
Emily Murphy	Leadership Academy	
Jessica Zaepfner	Leadership Academy	
Andy Lann	MORRISSEY ENGINEERING	
Tony Gentile	Leadership Academy	
Lindsay Peters	Leadership Academy	
Mary Jenkins	Leadership Academy	
Megan Jarosz	Holland Boshan	
Sara Hasek	Wertz	
Janifer Scott	Leadership Academy	
Olivia Vollmer	Leadership Academy	
Sophia Orsi	Skutt Catholic	
Joline Tesar	Millard West	
Joscelin Banzhaf	Skutt Catholic	
Hilary Thien	Wertz	
Megan Tyrcha	Marian	Y
Isabel Harris	Marian	Y
Gracie Campert	Marian	Y
Bella Brinacek	Marian	
Bella Olsen	Marian High School	
Brody Oneil	Skutt Catholic	

BOARD OF EDUCATION MEETING SIGN IN

NOVEMBER 6, 2023

NAME:

REPRESENTING:

**Observing for
a Class? (Y/N)**

Mckenna + Sara Forsberg

SKUTT

yes

Theresa Burdick

CMS/Leadership Acc.

Y

RILEY AVDINO

MARIAN

Y

Barrett Jurgensen

SKUTT

yes

Byron Dacy

CMS/Leadership Academy

Yes

Tim ROERS

MBA

Allison K-L

Jalil Othman

SKUTT

yes



BOARD OF EDUCATION MEETING

November 6, 2023

BOARD OF EDUCATION
MILLARD PUBLIC SCHOOLS
OMAHA, NEBRASKA

BOARD MEETING
NOVEMBER 6, 2023
6:00 P.M.

DON STROH ADMINISTRATION CENTER
5606 SOUTH 147TH STREET

AGENDA

A. **Call to Order**

The Public Meeting Act is posted on the wall and available for public inspection.

B. **Pledge of Allegiance**

C. **Roll Call**

D. **Public Comments on agenda items** – This is the proper time for public questions and comments on agenda items only. Please make sure a request form is given to the Board President before the meeting begins.

E. **Routine Matters**

1. *Approval of Board of Education Minutes – October 9, 2023
2. *Approval of Bills and receive the Treasurer’s Report and Place on File

F. **Information Items**

1. Superintendent’s Comments
2. Board Comments/Announcements

G. **Unfinished Business** - None

H. **New Business**

1. Approval of Rule 6320.1: Curriculum, Instruction, and Assessment- Students: Requirements for Senior High School Graduation
2. Approval of High School and Middle School Handbook and Registration Guides 2024-2025
3. Appointment of Official Representative for ESU#3
4. Appointment of Official Representative for ESSA
5. Approval of Guaranteed Maximum Price for the Cody Elementary School Renovation
6. Approval of Contract for Millard West High School Black Box Lighting Replacement
7. Approval of Personnel Actions: Recommendation to Hire, Resignation Agenda, Voluntary Separation Program (VSP), Leave of Absence
8. Executive Session: Negotiations

I. **Reports**

1. Summer School Report
2. Enrollment Report (as of October 2, 2023)
3. ACT Graduating Class of 2023 Report
4. 2023-24 Personnel Report

J. Future Agenda Items/ Board

1. Wednesday, November 15 - 17, 2023 - NASB State Education Conference - CHI Health Center
2. MPSF Jingle on Friday, November 17, 2023 at 7:00 p.m. at Champions Run
3. Monday, November 20, 2023 - Board of Education Meeting - 6:00 p.m. at DSAC
4. Wednesday, November 22 - Friday, November 24, 2023 - Thanksgiving Break – No School for Students
5. Thursday, November 30, 2023 - Foundation Board Holiday Event - Foundation Office - Time TBD
6. Monday, December 4, 2023 - Board of Education Meeting - 6:00 p.m. at DSAC
7. Wednesday, December 13, 2023 - Board of Education Holiday Celebration - 5:00 p.m. at the Foundation Office
8. Wednesday, December 21, 2023 - Wednesday, January 3, 2024 - No School - Winter Break

- K. Public Comments** - This is the proper time for public questions and comments on any topic.
Please make sure a request form is given to the Board President before the meeting begins.

L. Adjournment

All items indicated by an asterisk (*) will comprise the Consent Agenda and may be acted on in a single motion. Items may be deleted from the Consent Agenda by request of any board member.

BOARD OF EDUCATION
MILLARD PUBLIC SCHOOLS
OMAHA, NEBRASKA

BOARD MEETING
NOVEMBER 6, 2023
6:00 P.M.

DON STROH ADMINISTRATION CENTER
5606 SOUTH 147TH STREET

ADMINISTRATIVE MEMORANDUM

A. Call to Order

The Public Meeting Act is posted on the wall and available for public inspection.

B. Pledge of Allegiance

C. Roll Call

D. Public Comments on agenda items – This is the proper time for public questions and comments on agenda items only.
Please make sure a request form is given to the Board President before the meeting begins.

E.1* Motion by _____, seconded by _____, to approve the Board of Education Minutes from October 9, 2023.

E.2* Approval of Bills and receive the Treasurer’s Report and Place on File.

F.1 Superintendent’s Comments

F.2 Board Comments/Announcements

G.1 Unfinished Business - None

H.1 Motion by _____, seconded by _____, to approve Rule 6320.1: Curriculum, Instruction, and Assessment- Students: Requirements for Senior High School Graduation

H.2 Motion by _____, seconded by _____, to approve High School and Middle School Handbook and Registration Guides 2024-2025.

H.3 Motion by _____, seconded by _____, to appoint Dr. John Schwartz as the official representative to Educational Service Unit #3.

H.4 Motion by _____, seconded by _____, to appoint Dr. John Schwartz as the official representative to ESSA.

H.5 Motion by _____, seconded by _____, that the Construction Manager at Risk’s Guaranteed Maximum Price for the Cody Elementary School Renovation of \$8,894,009 be approved and that the Chief Financial Officer be authorized to execute any and all documents related to such project.

- H.6 Motion by _____, seconded by _____, that the contract for the Millard West High School Black Box Lighting Replacement be awarded to Downs Electric in the amount of \$477,700 and that the Chief Financial Officer be authorized to execute any and all documents related to such project.
- H.7 Motion by _____, seconded by _____, to approve Personnel Actions: Recommendation to Hire, Resignation Agenda, Voluntary Separation Program (VSP), Leave of Absence.
- H.8 Motion by _____, seconded by _____, to go into Executive Session at ____ p.m. for the purpose of Negotiations for the protection of the public's interest.

I. Reports

1. Summer School Report
2. Enrollment Report (as of October 2, 2023)
3. ACT Graduating Class of 2023 Report
4. 2023-24 Personnel Report

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Please make sure a request form is given to the Board President before the meeting begins.

L. Adjournment

All items indicated by an asterisk (*) will comprise the Consent Agenda and may be acted on in a single motion. Items may be deleted from the Consent Agenda by request of any board member.

**MILLARD PUBLIC SCHOOLS
SCHOOL DISTRICT NO. 17**

A meeting of the Board of Education of the School District No. 17, in the county of Douglas in the state of Nebraska was convened in open and public session at 6:00 p.m., Monday, October 9, 2023, at the Don Stroh Administration Center, 5606 South 147th Street.

Notice of this meeting was given in advance thereof by publication in the Daily Record on Friday, October 6, 2023 a copy of the publication is being attached to these minutes. Notice of this meeting was given to all members of the Board of Education and a copy of their Acknowledgement of Receipt of Notice and the agenda are attached to these minutes. Availability of the agenda was communicated in advance notice and in the notice of the Board of Education of this meeting. All proceedings hereafter shown were taken while the convened meeting was open to the attendance of the public.

President Amanda McGill Johnson announced that the open meeting laws are posted and available for public inspection and asked everyone to join in the Pledge of Allegiance.

Roll call was taken. Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, Mrs. McGill Johnson, and Mrs. Jolley were present.

Motion was made by Mike Kennedy, seconded by Stacy Jolley, to excuse Mr. Pate. Voting in favor of said motion was: Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, Mrs. McGill Johnson, and Mrs. Jolley. Voting against were: None. Motion carried.

Awards were presented to Employees of the Month Anna Palmensano, Resource SPED Teacher, Black Elk Elementary School and Sandy Fortney, Resource SPED Para at Reagan Elementary School.

The Student Showcase highlighted the Seal of Biliteracy and Cornhuskers Boys' State from Millard North High School.

Mrs. McGill Johnson announced this is the proper time for public questions and comments on agenda items only. There were no requests to speak on agenda items.

Motion was made by Mike Kennedy, seconded by Stacy Jolley, to approve the Board of Education minutes for September 25, 2023, and approve the bills and receive the treasurer's report and place on file. Voting in favor of said motion was: Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, Mrs. McGill Johnson, and Mrs. Jolley. Voting against were: None. Motion carried.

Superintendent's Comments:

Dr. Schwartz said it is hard to believe it is near the end of the first quarter. He said it has been a great start to the school year. Dr. Schwartz congratulated Executive Director of Technology Dr. Kent Kingston on his retirement at the end of the school year. Dr. Schwartz thanked him for his many years of service.

Dr. Schwartz shared that this week we will have our first parent coffee with the Superintendent. Dr. Schwartz shared that 25 parents have RSVP'd to attend. He said this is another way we engage with the community.

Board Comments:

Mr. Kennedy:

Mr. Kennedy shared his concern with a recent article regarding the Nebraska Department of Education and the schools on the "needs improvement" list.

Mrs. Lisa Schoenberger:

Mrs. Schoenberger shared that she attended the Committee on American Civics meeting tonight prior to the board meeting and she thanked Dr. Phipps and her team.

Mrs. Schoenberger shared that school visits continue to be awesome and she enjoys seeing how our buildings meet the needs of every student in their building.

Mrs. Poole:

Mrs. Poole congratulated Dr. Kingston on his retirement and thanked him for his service.

Mrs. Poole said that she attended the TAC meeting last week. She shared that the meeting was the best meeting by far she has attended. She felt that the Nebraska Department of Education was open and listened to feedback. Mrs. Poole thanked Dr. Kelberlau for attending the meeting.

Mrs. Poole enjoyed her recent visits to several schools.

Mrs. Jolley:

Mrs. Jolley also thanked Dr. Kingston for his years of service.

Mrs. Jolley said that the recent school visits have filled her bucket. She thanked all of the staff for their amazing work.

Mrs. Jolley shared that she attended the United States Marine Band concert at Millard West and said the performance was amazing. She thanked them for choosing Millard as a host site.

Mrs. McGill Johnson: None

Reema Guda, student representative from Millard North High School, Josephine McPhaul, student representative from Millard South High School, and Tori Karloff student representative from Millard West High School reported on the academic and athletic happenings at their respective schools.

Unfinished Business: None**New Business:**

Motion by Mike Kennedy, seconded by Stacy Jolley, to approve Rule 2100.23: Administration - Director of Recruitment and Retention, Policy 3816: Support Services -Transportation-Students - Bus Stops, Policy 3817: Support Services Transportation - Students - Discipline, Policy 3821: Support Services -Transportation - Drivers - Qualifications, Policy 4000: Human Resources - General Personnel Policy Statement. Voting in favor of said motion was: Mrs. Jolley, Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, and Mrs. McGill Johnson. Voting against were: None. Motion carried.

Motion by Mike Kennedy, seconded by Stacy Jolley, to approve the 2024-2025 Student Calendar. *Assistant Superintendent for Leadership, Planning & Evaluation Dr. Kim Saum-Mills reminded the board of the parameters used to create the calendar which are: each semester will have a balanced number of days, the first semester will end at winter break, and school should dismiss by Memorial Day. There was much discussion regarding the proposed calendar. The board shared concerns about starting school on a Friday as well as having teachers report from winter break on a Friday.*

Motion by Linda Poole, seconded by Stacy Jolley to amend the following:

- *Start of school from Friday, August 9, 2024 to Thursday, August 8, 2024.*
- *Change Professional Development / Work Day from Friday, January 3, 2025 to Monday, January 6, 2025.*
- *Change the start of the second semester for students from Monday, January 6, 2025 to Tuesday, January 7, 2025.*

Voting in favor of said motion was: Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, Mrs. McGill Johnson, and Mrs. Jolley. Voting against were: None. Motion carried.

Motion by Linda Poole, seconded by Stacy Jolley to approve the amended 2024-2025 Student Calendar. Voting in favor of said motion was: Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, Mrs. McGill Johnson, and Mrs. Jolley. Voting against were: None. Motion carried.

Motion by Mike Kennedy, seconded by Stacy Jolley, the Legislative Standing Positions. Voting in favor of said motion was: Mrs. Poole, Mrs. McGill Johnson, Mrs. Jolley, Mr. Kennedy, and Mrs. Schoenberger. Voting against were: None. Motion carried.

Motion by Stacy Jolley, seconded by Lisa Schoenberger, that the contract for the Montclair Elementary School Interior Renovation be awarded to BluCor Construction Group in the amount of \$461,819 and that the Chief Financial Officer be authorized to execute any and all documents related to such project. *Chief Financial Officer Chad Meisgeier said Mike Purdy from Purdy & Slack Architects was available to address questions and concerns from the Board.* Voting in favor of said motion was: Mrs. Poole, Mrs. McGill Johnson, Mrs. Jolley, Mr. Kennedy, and Mrs. Schoenberger. Voting against were: None. Motion carried.

Motion by Linda Poole, seconded by Stacy Jolley, to approve Personnel Actions: Recommendation to Hire: Kayla M. Klinkacek, Makayla A. Reavis, Bethany M. Stratton, Anna M. Dukart, Sydney A. Siebert, Esmeralda Figueroa, Sara J. Kruse, Anna M. Hallett, Delaney C. Grant, Bailey R. Bitz, Nicholas A. Their; Resignation Agenda. Voting in favor of said motion was: Mrs. Jolley, Mr. Kennedy, Mrs. Schoenberger, Mrs. Poole, and Mrs. McGill Johnson. Voting against were: None. Motion carried.

Reports:

Evaluation Of Operational Process Study Report (Weeding the Garden) - Professional Learning

Assistant Superintendent for Leadership, Planning & Evaluation Dr. Kim Saum-Mills provided the board with the first Weeding the Garden report. She shared that this report is directed by our District Parameter, which state that no existing program, course, and/or significant operational practice will be maintained unless it:

- meets a clearly demonstrated, mission-related need.
- survives a cost-benefit analysis and periodic evaluation.

Dr. Saum Mills said that we began this process last December when we solicited feedback from administrators and district teacher leaders regarding which operational process we should evaluate. She shared that themes emerged and we decided to start with the topic of professional learning first.

Dr. Saum Mills said that an ad hoc committee was formed and we began soliciting more input including from the MEA, Building Staff Development Facilitators from all thirty five buildings, as well as building administrator leadership teams. Based on this input we developed research questions and began our research. The report provided tonight was created from the research we conducted and the input we received.

Dual Enrollment Report

Director of Secondary Education Dr. Weers shared highlights of the Dual Enrollment Program which is in its twentieth year. Dr. Weers said that an impressive 26,416 college credits were earned by Millard students in 2022-2023. Millard families have saved over \$2.2 millions dollars in tuition costs.

Advanced Placement Program Report

Director of Secondary Education Dr. Weers shared highlights of the Advanced Placement. Some highlights shared by Dr. Weers included:

- Millard offers 27 Advanced Placement courses, including the newest addition, AP Research for the 22-23 school year.
- The percent of Millard students scoring a 3, 4, or 5 on exams rose to 74% compared to 73% last school year.
- Millard students took 2500 AP tests, an increase over the previous year.
- While the number of students taking an AP test increased, the number of students taking an AP course decreased.
- The number of AP Scholars increased by 39 students with 460 Millard students named as AP scholars as a result of 2022-2023 testing.
- An impressive 92% of the 111 students who took the AP Literature and Composition exam scored a 3,4, or 5.
- Four hundred and eleven students took the AP Human Geography exam with 86% scoring a 3, 4, or 5.
- In 2022-2023, students were responsible for paying for the cost of the exam at a rate of \$97 per exam. The MPS Foundation paid for the reduced rate exam fee of \$53 for students qualifying or free and reduced priced lunch.

Dr. Weers also shared that the number of AP Scholars remained strong with 460 students named as AP scholars as a result of 2022-2023 testing. Dr. Weers said that Millard students account for 16% of the AP tests taken in the state while we only make up 7% of the state's population.

Student Services 2022-23 Year-end Data Report

Director of Student Services Bill Jelkin shared an overview of the data related to the services and functions provided within the Student Services department such as attendance, enrollment, discipline, health services, counseling services and crisis response. Mr. Jelkin said that this report had some additional behavior charts compared to years past. These charts show additional reporting categories that are now accessible by the Nebraska Department of Education. Future reports will contain only these charts.

Mr. Jelkin said discipline incidents continue to be up. Mr. Jelkin shared some reasons why he believes these numbers are higher and how the district is responding to these issues. There was much conversation about the data in the report and what should be included in the future.

Mrs. McGill Johnson reminded the Board of future agenda items and said this is the proper time for public questions and comments. There were no requests to speak on non-agenda items.

Future Agenda Items/ Board Calendar:

1. Thursday, October 12 - Monday, October 16, 2023 - Conferences/Work Day/ Professional Development – No School for Students
2. Monday, November 6, 2023 - Board of Education Meeting - 6:00 p.m. at DSAC
3. Monday, November 6, 2023 - Teacher Professional Learning and Work Day - No School for Students
4. Wednesday, November 15-17, 2023 - NASB State Education Conference - CHI Health Center
5. MPSF Jingle on Friday, November 17, 2023 at 7:00 p.m. at Champions Run
6. Monday, November 20, 2023 - Board of Education Meeting - 6:00 p.m. at DSAC
7. Wednesday, November 22 - Friday, November 24, 2023 - Thanksgiving Break – No School for Students
8. Thursday, November 30, 2023 - Foundation Board Holiday Event - Foundation Office - Time TBD
9. Monday, December 4, 2023 - Board of Education Meeting - 6:00 p.m. at DSAC
10. Wednesday, December 13, 2023 - Board of Education Holiday Celebration - 5:00 p.m. at the Foundation Office
11. Wednesday, December 21, 2023 - Wednesday, January 3, 2024 - No School - Winter Break

Meeting was adjourned at 7:42 p.m..



Secretary, Mike Kennedy

Millard Public Schools

November 6, 2023

Millard Public Schools Check Register Prepared for the Board Meeting for Nov 6, 2023

Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501506	10/05/2023	142939	MEREDITH E BUCKMAN	\$2,090.00
	501507	10/05/2023	139496	NICOLE E BURTON	\$377.70
	501509	10/05/2023	142827	JAMES M FEENEY III	\$1,343.50
	501510	10/05/2023	056820	FIRST INSURANCE GROUP LLC	\$6,547.00
	501511	10/05/2023	140494	MATTHEW J GEERTS	\$1,080.00
	501513	10/05/2023	141512	ERIN M GONZALEZ	\$1,050.00
	501514	10/05/2023	064800	METRO UTILITIES DISTRICT OF OMAHA	\$31,172.53
	501515	10/05/2023	070800	OMAHA PUBLIC POWER DISTRICT	\$431,842.26
	501517	10/05/2023	090242	UNITED PARCEL SERVICE	\$163.96
	501518	10/05/2023	140828	JOSEPH P VONDERHAAR	\$1,829.96
	501528	10/12/2023	143971	AMERICAN NATIONAL BANK MASTERCARD	\$542.79
	501529	10/12/2023	108436	COX COMMUNICATIONS INC	\$422.24
	501530	10/12/2023	064800	METRO UTILITIES DISTRICT OF OMAHA	\$1,443.28
	501534	10/12/2023	140383	SENTRY INSURANCE, A MUTUAL COMPANY	\$85,548.58
	501536	10/23/2023	140298	AMPLIFY EDUCATION INC	\$1,513.30
	501537	10/23/2023	141394	UNIVERSITY OF NEBRASKA BOARD REGENT	\$4,500.00
	501538	10/23/2023	143973	CHRYSLER CAPITAL	\$499.00
	501539	10/23/2023	133397	HY-VEE INC	\$345.67
	501541	10/23/2023	140729	J F AHERN CO	\$292.00
	501542	10/23/2023	092603	MACMILLAN HOLDINGS LLC	\$720.00
	501544	10/23/2023	142102	STERLING COMPUTERS CORPORATION	\$2,175.83
	501545	10/23/2023	144355	TEXTHELP INC	\$4,080.00
	501555	10/19/2023	108436	COX COMMUNICATIONS INC	\$5,978.25
	501556	10/19/2023	108436	COX COMMUNICATIONS INC	\$22,005.02
	501557	10/19/2023	142259	PAMELA K HUSS	\$285.91
	501560	10/19/2023	133300	TALX UC EXPRESS	\$961.60
	501562	10/19/2023	064800	METRO UTILITIES DISTRICT OF OMAHA	\$54,788.40
	501565	10/26/2023	140298	AMPLIFY EDUCATION INC	\$14,402.84

Millard Public Schools Check Register Prepared for the Board Meeting for Nov 6, 2023

Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501567	10/26/2023	132590	HUB INTERNATIONAL GREAT PLAINS LLC	\$5,654.00
	501569	10/26/2023	064800	METRO UTILITIES DISTRICT OF OMAHA	\$23,875.86
	501570	10/26/2023	136920	KATHLEEN M SMITH	\$6,144.00
	501571	10/26/2023	109843	T-MOBILE USA INC	\$3,957.76
	501572	11/06/2023	140821	MARGARET E SCHWARTZ	\$5,427.00
	501573	11/06/2023	143790	360 COMMUNITY SERVICES	\$23,511.60
	501574	11/06/2023	141966	LAURIE L MOONEY	\$200.00
	501575	11/06/2023	010040	A & D TECHNICAL SUPPLY CO INC	\$444.50
	501576	11/06/2023	143631	JIM ABT	\$323.57
	501577	11/06/2023	010112	AE SUPPLY LLC	\$3,355.00
	501578	11/06/2023	142695	AERCOR WIRELESS INC	\$607.50
	501579	11/06/2023	139362	AMANDA L AKSAMIT	\$135.98
	501580	11/06/2023	136683	DANIEL J ALLAN	\$118.69
	501581	11/06/2023	137976	HALEY E ALLEN	\$56.78
	501582	11/06/2023	143318	HARTIN INVESTMENTS LLC	\$10,939.46
	501583	11/06/2023	012989	APPLE COMPUTER INC	\$770.50
	501584	11/06/2023	141122	A-UNITED AUTOMATIC DOOR & GLASS INC	\$262.50
	501585	11/06/2023	013890	AWARDS UNLIMITED INC.	\$24.73
	501586	11/06/2023	137625	ADINA E BABKO	\$70.44
	501587	11/06/2023	139813	HEATHER S BAKER	\$66.29
	501588	11/06/2023	135852	COLLEEN D BALLARD	\$23.71
	501589	11/06/2023	137482	KRISTINA A BAMESBERGER	\$93.27
	501590	11/06/2023	143990	KAITLYN FR BARRETT	\$23.84
	501591	11/06/2023	017877	CYNTHIA L BARR-MCNAIR	\$161.95
	501592	11/06/2023	138305	MEAGAN L BASYE	\$97.66
	501593	11/06/2023	143824	EMMA M BAUMANN	\$44.41
	501594	11/06/2023	134584	MARY A BAYNE	\$50.00
	501596	11/06/2023	141521	ERIKA J BECKLEY	\$66.68

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501597	11/06/2023	138255	NICOLE M BEINS	\$636.85
	501598	11/06/2023	139889	DARLA G BELL	\$112.40
	501599	11/06/2023	142454	LAURA C BESHALER	\$247.46
	501602	11/06/2023	142377	ABBY J BJORNSEN	\$88.69
	501603	11/06/2023	143926	HOT PANS INC	\$4,336.00
	501604	11/06/2023	134478	TIFFANY M BOCK SMITH	\$148.83
	501605	11/06/2023	144296	BOILER CHILLER SYSTEMS LLC	\$1,358.23
	501606	11/06/2023	130899	KIMBERLY M BOLAN	\$164.41
	501608	11/06/2023	142728	HEATHER E BOUCHER	\$43.74
	501610	11/06/2023	139947	YESENIA BRAVO	\$392.53
	501611	11/06/2023	141717	BREAKOUT INC	\$99.00
	501612	11/06/2023	140520	JULIE K BREESE	\$43.75
	501613	11/06/2023	139890	DOUGLAS J BREITER	\$114.76
	501614	11/06/2023	132273	WENDY M BRENNAN	\$164.75
	501615	11/06/2023	143810	SAMUEL BROESCH	\$51.09
	501616	11/06/2023	144319	HANNAH C BROWN	\$11.59
	501617	11/06/2023	136205	KIMBERLY A BROWN	\$37.34
	501618	11/06/2023	144365	THE BRUMAN GROUP PLLC	\$9,685.00
	501619	11/06/2023	141510	CHRISTINE L BUKOWSKI	\$159.77
	501621	11/06/2023	143556	TRENOR J CAMPBELL	\$75.00
	501622	11/06/2023	142667	COMPASS GROUP INC	\$411.76
	501632	11/06/2023	143369	CAPITAL SANITARY SUPPLY CO INC	\$83,069.65
	501634	11/06/2023	140927	JESSICA M CARSON	\$112.53
	501635	11/06/2023	131158	CURTIS R CASE	\$633.24
	501637	11/06/2023	140956	JOHN BARRY CASTLE	(\$90.00)
	501638	11/06/2023	133970	CCS PRESENTATION SYSTEMS	\$864.51
	501639	11/06/2023	133589	CDW GOVERNMENT, INC.	\$207,091.23
	501640	11/06/2023	065420	CENTRAL MIDDLE SCHOOL	\$1,700.00

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01	501641	11/06/2023	135648	SUSAN M CHADWICK	\$112.86
	501643	11/06/2023	139924	CHOICE SOLUTIONS LLC	\$2,911.96
	501644	11/06/2023	132643	CLEAN SWEEP COMMERCIAL INC	\$55,905.00
	501645	11/06/2023	131135	PATRICIA A CLIFTON	\$108.99
	501646	11/06/2023	137013	NANCY S COLE	\$125.96
	501648	11/06/2023	144038	KAREN CONBOY	\$73.92
	501649	11/06/2023	135082	OCCUPATIONAL HEALTH CTRS OF NE PC	\$174.00
	501650	11/06/2023	132152	GOVCONNECTION INC	\$1,646.80
	501651	11/06/2023	136518	JANET L COOK	\$155.63
	501652	11/06/2023	143248	RANA R COREY	\$43.30
	501653	11/06/2023	140544	COUSIN'S UNIFORM & TUX LLC	\$321.00
	501654	11/06/2023	106893	WICHITA WATER CONDITIONING INC	\$56.25
	501655	11/06/2023	027300	CUMMINS CENTRAL POWER LLC	\$10,123.75
	501656	11/06/2023	130900	CHERYL L CUSTARD	\$120.98
	501657	11/06/2023	144342	DENISE L CZAPLEWSKI	\$64.85
	501658	11/06/2023	131483	JANET L DAHLGAARD	\$58.10
	501659	11/06/2023	132671	JEAN T DAIGLE	\$211.50
	501660	11/06/2023	134751	ANGELA M DAIGLE	\$44.93
	501661	11/06/2023	131003	DAILY RECORD	\$348.16
	501663	11/06/2023	106713	ANDREW S DEFREECE	\$564.44
	501664	11/06/2023	032872	DENNIS SUPPLY COMPANY	\$619.93
	501665	11/06/2023	137331	BASTIAN DERICHS	\$40.48
	501666	11/06/2023	139346	LYNN M DETHLOFF	\$9.28
	501667	11/06/2023	144057	HALEY L DICKERSON	\$43.56
	501668	11/06/2023	132669	DIGITAL DOT SYSTEMS INC	\$2,940.00
	501669	11/06/2023	133268	DOCUMENT FINISHING RESOURCES INC	\$26.25
	501670	11/06/2023	139349	TERRIN D DORATHY	\$31.77
	501671	11/06/2023	135689	SUSAN M DULANY	\$126.15

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01	501673	11/06/2023	144199	EAKES INC	\$539.80
	501674	11/06/2023	138426	KELLY D EALY	\$144.17
	501675	11/06/2023	052370	ECHO ELECTRIC SUPPLY CO	\$4,570.35
	501676	11/06/2023	037525	EDUCATIONAL SERVICE UNIT #3	\$110,686.82
	501677	11/06/2023	131551	EDUCATIONAL SERVICE UNIT #7	\$70.00
	501678	11/06/2023	142874	EDUPOINT EDUCATIONAL SYSTEMS LLC	\$1,500.00
	501679	11/06/2023	133823	REBECCA S EHRHORN	\$332.55
	501680	11/06/2023	038140	ELECTRONIC SOUND INC.	\$6,783.98
	501681	11/06/2023	141577	ELITE PROFESSIONALS HOME CARE LLC	\$9,847.50
	501682	11/06/2023	131007	ELMAN & CO INC	\$4,327.00
	501683	11/06/2023	136554	DANIELLE N ELSASSER	\$60.00
	501684	11/06/2023	143233	AIRTEX MANUFACTURING LLLP	\$1,523.77
	501685	11/06/2023	102720	EPCO LTD INC	\$987.00
	501686	11/06/2023	144251	JEFFREY A ERIXON	\$194.20
	501687	11/06/2023	135360	PAMELA A ERIXON	\$148.70
	501688	11/06/2023	109066	TED H ESSER	\$288.05
	501689	11/06/2023	143301	EVANS CUSTOM APPAREL INC	\$256.00
	501690	11/06/2023	141762	HELEN M EVANS	\$193.55
	501691	11/06/2023	143996	EXPLORE LEARNING LLC	\$4,795.00
	501692	11/06/2023	139316	JASON A FARWELL	\$95.37
	501693	11/06/2023	144005	LORI A FAUST	\$24.04
	501694	11/06/2023	144341	KRISTY L FEDEN	\$134.14
	501695	11/06/2023	130731	FIRST WIRELESS INC	\$256.90
	501696	11/06/2023	141511	JENNIFER M FITZKE	\$30.98
	501697	11/06/2023	140887	RODNEY JOHNSON	\$232.00
	501698	11/06/2023	131555	FLOORS INC	\$6,032.00
	501699	11/06/2023	056820	FIRST INSURANCE GROUP LLC	\$13,670.00
	501700	11/06/2023	138877	KATHERINE L FOLK	\$12.51

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501701	11/06/2023	143691	FOLLETT CONTENT SOLUTIONS LLC	\$4,544.39
	501703	11/06/2023	139894	TRICIA L GILLETT	\$147.18
	501704	11/06/2023	106660	GLASSMASTERS INC	\$367.00
	501706	11/06/2023	010670	GOODWIN TUCKER GROUP	\$129.18
	501707	11/06/2023	099888	GRAYBAR ELECTRIC COMPANY INC	\$195.27
	501708	11/06/2023	143459	GREAT PLAINS COMMUNICATIONS HOLDING	\$1,396.24
	501709	11/06/2023	133885	GREENLIFE GARDENS INC	\$365.00
	501710	11/06/2023	143986	KESHIA K GREVE	\$9.76
	501711	11/06/2023	143987	SKYLER S GROEBLI	\$333.13
	501712	11/06/2023	132673	JULIE L HAHN	\$21.35
	501713	11/06/2023	141900	CATHERINE A HANISH	\$118.88
	501714	11/06/2023	142788	HARCO ATHLETIC RECONDITIONING INC	\$790.00
	501715	11/06/2023	139786	LINDSEY M HARRAHILL	\$63.36
	501716	11/06/2023	144382	CALEB E HARTHOORN	\$10.68
	501717	11/06/2023	048200	HAUFF MID-AMERICA SPORTS INC	\$339.25
	501718	11/06/2023	140889	DEANNA L HAYES	\$98.38
	501719	11/06/2023	144237	TIMOTHY HAYNES	\$230.56
	501720	11/06/2023	141982	RANDA L HAZZARD	\$21.35
	501721	11/06/2023	048475	HEARTLAND FOUNDATION	\$18,700.00
	501723	11/06/2023	109808	CHERYL L HEIMES	\$89.41
	501724	11/06/2023	102842	HELGET GAS PRODUCTS INC	\$4.15
	501725	11/06/2023	141513	MELISSA M HENNINGS	\$82.46
	501726	11/06/2023	144364	HERITAGE LANDSCAPE SUPPLY GROUP INC	\$66.40
	501727	11/06/2023	048940	HOBBY LOBBY STORES INC	\$43.11
	501728	11/06/2023	144343	MICHELLE C HOLMBERG	\$122.81
	501730	11/06/2023	144013	HOME AT LAST LLC	\$5,400.00
	501731	11/06/2023	142777	HOME DEPOT USA INC	\$1,183.14
	501732	11/06/2023	142777	HOME DEPOT USA INC	\$740.39

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501733	11/06/2023	132531	TERRY P HOULTON	\$252.57
	501734	11/06/2023	143951	KRISTA G HOVLAND	\$149.47
	501735	11/06/2023	101533	DIANE F HOWARD	\$42.05
	501736	11/06/2023	132590	HUB INTERNATIONAL GREAT PLAINS LLC	\$5,654.00
	501737	11/06/2023	137426	HUGHES MULCH PRODUCTS LLC	\$4,000.00
	501738	11/06/2023	144361	HUMANEX VENTURES LLC	\$2,700.00
	501739	11/06/2023	142259	PAMELA K HUSS	\$176.92
	501740	11/06/2023	134807	MONICA A HUTFLES	\$26.66
	501741	11/06/2023	130283	KARA L HUTTON	\$56.98
	501743	11/06/2023	133397	HY-VEE INC	\$3,151.00
	501744	11/06/2023	132878	HY-VEE INC	\$346.50
	501745	11/06/2023	049851	HY-VEE INC	\$107.67
	501746	11/06/2023	049850	HY-VEE INC	\$432.32
	501747	11/06/2023	143162	I3-MPN LLC	\$2,500.00
	501748	11/06/2023	136349	SCOTT H INGWERSON	\$73.23
	501749	11/06/2023	051740	INLAND TRUCK PARTS CO.	\$935.99
	501754	11/06/2023	143609	JACKSON SERVICES INC	\$4,706.69
	501755	11/06/2023	131157	CHRISTINE A JANOVEC-POEHLMAN	\$115.94
	501757	11/06/2023	133037	JENSEN TIRE & AUTO #15	\$208.30
	501758	11/06/2023	054448	STEVEN K JOEKEL	\$156.00
	501759	11/06/2023	135373	LINDA K JOHNSON	\$36.55
	501760	11/06/2023	140228	COLIN T JOHNSTON	\$55.54
	501761	11/06/2023	108171	CANDY R JONES	\$236.19
	501762	11/06/2023	142898	JUST FOR KIDS THERAPY INC	\$486.00
	501763	11/06/2023	136678	K C PETERSEN CONSTRUCTION CO	\$775.00
	501765	11/06/2023	144345	SARAH J KATHOL	\$26.40
	501766	11/06/2023	144371	CAITLIN A KAUP	\$194.72
	501767	11/06/2023	141326	MELISSA KEITH	\$100.00

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01	501768	11/06/2023	140881	DARIN C KELBERLAU	\$96.60
	501770	11/06/2023	140091	KENT J KINGSTON	\$175.70
	501771	11/06/2023	143858	KIRK A KINGSTON	\$69.55
	501773	11/06/2023	131826	ALICIA C KOTLARZ	\$40.68
	501774	11/06/2023	143655	STACEY J KOZISEK	\$22.66
	501775	11/06/2023	141957	MELINDA S KRAUSE	\$37.14
	501777	11/06/2023	137385	JOSEPH R KUEHL	\$87.70
	501779	11/06/2023	144111	K12 SIGN LANGUAGE SOLUTIONS LLC	\$6,650.00
	501781	11/06/2023	135257	LANGUAGE LINE SERVICES INC	\$1,598.51
	501783	11/06/2023	137505	KATHARINE LAWLOR	\$50.00
	501784	11/06/2023	135696	CHAD D LAWTON	\$113.51
	501785	11/06/2023	140464	LEARNING FORWARD NEBRASKA	\$1,050.00
	501786	11/06/2023	136401	OMAHA ZOO FOUNDATION	\$360.00
	501787	11/06/2023	139583	JENA J LEU	\$78.17
	501788	11/06/2023	143836	LIGHTBOX LEARNING	\$978.60
	501789	11/06/2023	133643	JODY C LINDQUIST	\$70.09
	501790	11/06/2023	135376	CASEY I LUNDGREN	\$69.99
	501791	11/06/2023	131586	LYMM CONSTRUCTION INC	\$41,935.00
	501792	11/06/2023	137207	LEE ANN M MAASS	\$163.10
	501793	11/06/2023	108106	LEANNA MACDONALD	\$3,022.50
	501794	11/06/2023	144385	AMY M MACH	\$71.45
	501795	11/06/2023	099321	MACKIN BOOK CO	\$1,628.09
	501796	11/06/2023	143953	JEREMY S MADSON	\$34.58
	501797	11/06/2023	140184	STEPHEN P MAINELLI	\$51.16
	501798	11/06/2023	137281	DMG INC	\$717.19
	501799	11/06/2023	138473	KEITH W MALY	\$91.44
	501800	11/06/2023	143627	MICHELLE C MANCHESTER	\$1,414.17
	501801	11/06/2023	138772	SHELLY A MANN	\$22.46

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01	501802	11/06/2023	133505	SUSAN N MARLATT	\$126.42
	501803	11/06/2023	144270	NAHELY KARINA MARTINEZ TORRES	\$32.55
	501804	11/06/2023	138341	MAXIM HEALTHCARE SERVICES HOLDINGS	\$1,344.00
	501805	11/06/2023	140110	MCGRAW HILL/MAV HOLDING CORPORATION	\$1,351.68
	501806	11/06/2023	137014	RYE L MCINTOSH	\$99.56
	501807	11/06/2023	144373	ANN M MCKENNA	\$194.20
	501808	11/06/2023	135153	KRISTEN L MCKENNEY	\$369.61
	501809	11/06/2023	141523	KELLI M MCWILLIAMS	\$34.98
	501810	11/06/2023	064600	METAL DOORS & HARDWARE COMPANY INC	\$1,152.00
	501814	11/06/2023	133403	AMERICAN NATIONAL BANK	\$8,248.92
	501815	11/06/2023	136384	JEANNETTE M MEYER	\$146.66
	501816	11/06/2023	144040	CATELYN N MEYSENBURG	\$85.94
	501818	11/06/2023	141664	MIDWEST ALARM SERVICES	\$568.88
	501819	11/06/2023	140711	RESILO-FLEX INC	\$2,300.00
	501821	11/06/2023	065400	MILLARD LUMBER INC	\$454.11
	501822	11/06/2023	131328	MILLER ELECTRIC COMPANY	\$13,867.85
	501823	11/06/2023	140619	ANANYA MITRA	\$200.00
	501826	11/06/2023	144375	MAURA K MULCAHY	\$194.20
	501827	11/06/2023	143898	EMILY C MURPHY	\$62.41
	501829	11/06/2023	067000	NASCO	\$461.28
	501830	11/06/2023	132854	NATIONAL SAFETY COUNCIL	\$95.00
	501831	11/06/2023	102522	NEBRASKA CTR EDUCATION OF CHILDREN	\$1,680.00
	501832	11/06/2023	136954	NEBRASKA CHILD SUPPORT PAYMENT CTR	\$90.00
	501833	11/06/2023	068415	NEBRASKA COUNCIL SCHOOL ADMIN	\$686.00
	501834	11/06/2023	068445	NEBRASKA FURNITURE MART INC	\$574.00
	501835	11/06/2023	068467	NEBRASKA NOTARY ASSOCIATION	\$272.64
	501836	11/06/2023	068684	CYRGUS CO LLC	\$253.59
	501837	11/06/2023	138808	NEBRASKA SECRETARY OF STATE:NOTARY	\$30.00

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01	501838	11/06/2023	134321	NEBRASKA STATE FIRE MARSHAL AGENCY	\$72.00
	501840	11/06/2023	107732	BRIAN L NELSON	\$2,120.00
	501841	11/06/2023	144089	JORDAN T NEWHOUSE	\$32.50
	501843	11/06/2023	107905	MELINDA C NOLLER	\$75.06
	501845	11/06/2023	100013	ODP BUSINESS SOLUTIONS LLC	\$2,600.83
	501846	11/06/2023	133717	ANNE M OGG	\$211.53
	501847	11/06/2023	070245	RICHELIEU AMERICA LTD	\$38.51
	501848	11/06/2023	132778	MELANIE L OLSON	\$26.99
	501850	11/06/2023	134051	OMAHA SYMPHONY	\$3,240.00
	501851	11/06/2023	133850	ONE SOURCE	\$2,834.00
	501852	11/06/2023	143773	KENNEDY M ONYANCHA	\$219.58
	501853	11/06/2023	138662	KELLY D OSTRAND	\$274.73
	501854	11/06/2023	133368	KELLY R O'TOOLE	\$49.26
	501855	11/06/2023	142290	OVERDRIVE INC	\$19,500.00
	501856	11/06/2023	071240	CHANCELLOR OF UNIVERSITY OF OXFORD	\$631.89
	501857	11/06/2023	134428	ELIZABETH A PACHTA	\$169.00
	501859	11/06/2023	139358	AMANDA M PARKER	\$41.85
	501860	11/06/2023	137015	GEORGE M PARKER	\$43.82
	501861	11/06/2023	132006	ANDREA L PARSONS	\$54.56
	501862	11/06/2023	131610	PATRICIA D BUFFUM	\$460.00
	501863	11/06/2023	107783	HEIDI T PENKE	\$54.10
	501865	11/06/2023	133150	PENSKE TRUCK LEASING	\$406.07
	501867	11/06/2023	133390	HEATHER C PHIPPS	\$233.81
	501868	11/06/2023	073040	PITNEY BOWES PRESORT SERVICES INC	\$10,000.00
	501869	11/06/2023	144351	LAURA M PLAS	\$41.20
	501870	11/06/2023	144380	ANDREW T POLINKO	\$18.08
	501871	11/06/2023	142318	KAREN S PORTER	\$439.00
	501872	11/06/2023	131835	PRAIRIE MECHANICAL CORP	\$708.39

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01	501873	11/06/2023	132317	SUSAN K PRESLER	\$10,700.00
	501874	11/06/2023	143687	PRIME HOME DDS INC	\$28,687.60
	501875	11/06/2023	134598	PRIME COMMUNICATIONS INC	\$500.00
	501881	11/06/2023	109810	BETHANY B RAY	\$156.41
	501882	11/06/2023	142847	READY TO KOOL LLC	\$4,464.26
	501883	11/06/2023	135044	REEDER ELEMENTARY	\$169.90
	501884	11/06/2023	134858	JENNIFER L REID	\$9.50
	501885	11/06/2023	133770	DIANE E REINERS	\$66.74
	501886	11/06/2023	135484	KRISTI L RICHLING	\$11.40
	501888	11/06/2023	079310	ROCKBROOK CAMERA CENTER	\$40.00
	501889	11/06/2023	142974	ADAM W ROKES	\$320.00
	501890	11/06/2023	136121	MELANIE E ROLL	\$300.00
	501892	11/06/2023	144352	RAHIM GUL ROSHAN	\$70.54
	501893	11/06/2023	143241	MICHAEL J RUCKER	\$89.21
	501896	11/06/2023	081725	KIMBERLEY K SAUM-MILLS	\$110.37
	501898	11/06/2023	131256	LOEL R SCHETTLER	\$57.25
	501899	11/06/2023	137913	BRENDA L SCHMIDT	\$113.89
	501900	11/06/2023	137012	SHELLEY L SCHMITZ	\$121.11
	501901	11/06/2023	134567	KAYE M SCHWEIGERT	\$150.97
	501902	11/06/2023	109815	JENNIFER L SCOTT	\$111.02
	501903	11/06/2023	139827	MATTHEW J SCOTT	\$81.81
	501905	11/06/2023	082905	KIMBERLY A SECORA	\$6.42
	501906	11/06/2023	140383	SENTRY INSURANCE, A MUTUAL COMPANY	\$85,548.58
	501907	11/06/2023	109800	AMY L SHATTUCK	\$144.56
	501908	11/06/2023	083175	SHEPPARD'S BUSINESS INTERIORS	\$3,406.00
	501909	11/06/2023	143104	SHI INTERNATIONAL CORP	\$243.67
	501911	11/06/2023	139007	MEGAN N SIEBE	\$76.70
	501912	11/06/2023	131887	SIEMENS INDUSTRY INC.	\$1,177.00

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501914	11/06/2023	143994	EMILY N SMITH	\$87.05
	501915	11/06/2023	143266	NATHAN M SMITH	\$88.49
	501916	11/06/2023	140068	LANCE M SMITH	\$679.37
	501917	11/06/2023	140891	MARCIA L SMITH	\$214.22
	501918	11/06/2023	101476	SODEXO INC & AFFILIATES	\$110,438.24
	501919	11/06/2023	142226	MICHELLE R SOMERVILLE	\$120.85
	501921	11/06/2023	102524	SPALDING EDUCATION INTERNATIONAL	\$1,170.00
	501922	11/06/2023	142676	TURCO INC	\$255.00
	501923	11/06/2023	142102	STERLING COMPUTERS CORPORATION	\$1,946.87
	501926	11/06/2023	137093	JAMIE R STINSON	\$18.92
	501927	11/06/2023	142516	THEODORE N STOCKING	\$210.98
	501929	11/06/2023	139843	STUDENT TRANSPORTATION NEBRASKA INC	\$412,613.08
	501931	11/06/2023	138241	TARA L TAPP	\$221.88
	501932	11/06/2023	137591	DISCIPLINE ASSOCIATES LLC	\$530.00
	501935	11/06/2023	135006	STEVE D THRONE	\$680.28
	501937	11/06/2023	141524	SONIA E TIPP	\$93.80
	501938	11/06/2023	143974	TITAN NURSE STAFFING LLC	\$9,843.00
	501939	11/06/2023	139446	TODAY'S CLASSROOM LLC	\$404.29
	501941	11/06/2023	136578	PEGGI S TOMLINSON	\$15.59
	501943	11/06/2023	107719	KIMBERLY P TRISLER	\$42.05
	501944	11/06/2023	106493	TRITZ PLUMBING, INC.	\$4,705.30
	501946	11/06/2023	142462	JEFFREY S UHER	\$230.06
	501947	11/06/2023	142309	UNANIMOUS INC	\$460.00
	501948	11/06/2023	140503	ALL INCLUSIVE CATERING LLC	\$480.00
	501949	11/06/2023	139511	UNITED REFRIGERATION INC	\$32.51
	501950	11/06/2023	068840	UNIVERSITY OF NEBRASKA AT OMAHA	\$500.00
	501951	11/06/2023	068839	UNIVERSITY OF NEBRASKA KEARNEY	\$922.00
	501952	11/06/2023	068834	UNIVERSITY OF NEBRASKA-LINCOLN	\$853.81

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501953	11/06/2023	068834	UNIVERSITY OF NEBRASKA-LINCOLN	\$230.00
	501954	11/06/2023	068875	UNIVERSITY OF NEBRASKA MED CENTER	\$9,869.13
	501955	11/06/2023	068840	UNIVERSITY OF NEBRASKA AT OMAHA	\$84,000.00
	501956	11/06/2023	139797	US BANK NATIONAL ASSOCIATION	\$1,119.00
	501957	11/06/2023	140402	US OMNI & TSACG COMPLIANCE SVCS INC	\$760.00
	501958	11/06/2023	144349	SOFIA VALADEZ	\$212.80
	501959	11/06/2023	144384	JORJI J VALDEZ	\$35.40
	501961	11/06/2023	143653	VALIDATE ME INC	\$225.00
	501962	11/06/2023	138046	AUTO LUBE INC	\$490.27
	501963	11/06/2023	143347	VERIZON COMMUNICATIONS INC	\$27.74
	501964	11/06/2023	143347	VERIZON COMMUNICATIONS INC	\$1,335.15
	501966	11/06/2023	131112	LINDA M WALTERS	\$47.68
	501967	11/06/2023	139738	WASTE MANAGEMENT OF ILLINOIS INC	\$300.00
	501968	11/06/2023	144378	ALLYSON T WATANABE	\$194.20
	501970	11/06/2023	141464	ANTHONY J WEERS	\$175.49
	501971	11/06/2023	141432	WELLS FARGO FINANCIAL LEASNG INC	\$3,425.00
	501972	11/06/2023	140929	ERIC C WELTE	\$81.88
	501973	11/06/2023	141253	TREVOR E WENGER	\$50.00
	501974	11/06/2023	094245	WESTLAKE ACE HARDWARE INC	\$63.71
	501976	11/06/2023	094820	WHOLESALE HEATING & COOLING SUPPLY	\$55.90
	501977	11/06/2023	137485	WENDY A WIGHT	\$154.84
	501978	11/06/2023	137327	GINA R WIITANEN	\$97.46
	501979	11/06/2023	139804	WOODCRAFT SUPPLY LLC	\$848.97
	501982	11/06/2023	142269	WHC NE LLC	\$22,902.50
	501983	11/06/2023	142174	SIOUXLAND TURF PRODUCTS INC	\$9,187.56
	501984	11/06/2023	137020	CHAD R ZIMMERMAN	\$838.13
	501985	11/06/2023	136468	MAUREEN F ZOHLLEN	\$49.31
	501986	11/06/2023	136855	PAUL R ZOHLLEN	\$70.74

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	501987	11/06/2023	135647	LACHELLE L ZUHLKE	\$60.13
	501988	11/06/2023	136072	NEBRASKA STATE TREASURER	\$1,663.65
	501989	11/06/2023	144386	GERARD L PALLOTTA	\$2,370.24
	501990	11/06/2023	140810	PLURALSIGHT LLC	\$2,895.00
	E106313	10/05/2023	139359	DISTRIBUTED WEBSITE CORPORATION	\$595.00
	E106314	10/23/2023	099220	DICK BLICK CO	\$176.20
	E106315	10/23/2023	041500	CONCORD THEATRICALS CORP	\$4,773.05
	E106317	10/23/2023	143184	ENTERPRISE FM TRUST	\$2,449.95
	E106318	10/23/2023	035610	HAND2MIND INC	\$1,037.87
	E106319	10/23/2023	100577	TAYLOR CORPORATION	\$214.15
	E106320	10/23/2023	101257	TEACHERS' CURRICULUM INSTITUTE LLC	\$1,134.00
	E106322	10/26/2023	140791	FRONTLINE PRIVATE SECURITY LLC	\$405.00
	E106324	11/06/2023	108351	AIRGAS INC	\$45.56
	E106325	11/06/2023	102832	AOI	\$508.60
	E106326	11/06/2023	106436	AQUA-CHEM INC	\$3,711.34
	E106327	11/06/2023	138291	AUTISM CENTER OF NEBRASKA INC	\$13,603.00
	E106328	11/06/2023	102727	B & H PHOTO	\$110.13
	E106329	11/06/2023	017900	BARCO MUNICIPAL PRODUCTS, INC.	\$7,277.40
	E106330	11/06/2023	134656	B.E. PUBLISHING	\$159.23
	E106333	11/06/2023	019111	BISHOP BUSINESS EQUIPMENT	\$59,778.32
	E106334	11/06/2023	099220	DICK BLICK CO	\$371.43
	E106335	11/06/2023	019559	BOUND TO STAY BOUND BOOKS INC	\$3,789.01
	E106336	11/06/2023	090440	BSN SPORTS LLC	\$30.20
	E106348	11/06/2023	139202	CINTAS CORPORATION	\$2,929.36
	E106349	11/06/2023	143654	JEREDITH BRANDS LLC	\$122,349.00
	E106350	11/06/2023	090270	CLEAN WATER GUYS INC	\$561.25
	E106351	11/06/2023	136574	CONTROL DEPOT INC	\$314.33
	E106353	11/06/2023	026057	CONTROL MASTERS INC	\$27,499.48

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	E106354	11/06/2023	032050	D B NEBRASKA SERVICE CO.	\$1,638.00
	E106355	11/06/2023	032800	DEMCO INC	\$1,870.18
	E106361	11/06/2023	033473	DIETZE MUSIC HOUSE INC	\$5,040.10
	E106362	11/06/2023	139946	DOWNS ELECTRIC INC	\$4,343.77
	E106363	11/06/2023	073231	DXP ENTERPRISES INC	\$78.01
	E106364	11/06/2023	131740	EAGLE SOFTWARE INC,	\$2,620.76
	E106365	11/06/2023	036520	EASTERN NEBRASKA HUMAN SVCS AGENCY	\$22,275.00
	E106366	11/06/2023	038023	EGAN SUPPLY COMPANY	\$2,735.00
	E106367	11/06/2023	038100	CONSOLIDATED ELECTRICAL DISTR INC	\$2,461.52
	E106368	11/06/2023	132066	ENGINEERED CONTROLS INC	\$9,221.00
	E106370	11/06/2023	040537	WOLSELEY INVESTMENTS INC	\$522.57
	E106371	11/06/2023	106956	FERRELLGAS	\$33.00
	E106372	11/06/2023	133919	FILTER SHOP INC	\$6,585.20
	E106373	11/06/2023	133960	FIREGUARD INC	\$1,441.99
	E106374	11/06/2023	041086	FLINN SCIENTIFIC INC	\$26.96
	E106375	11/06/2023	131565	GARTNER & ASSOCIATES CO, INC.	\$1,645.00
	E106376	11/06/2023	044950	GRAINGER INDUSTRIAL SUPPLY	\$3,739.03
	E106377	11/06/2023	130990	HORWATH LAUNDRY MACHINERY CO	\$378.34
	E106378	11/06/2023	133423	IRON MOUNTAIN RECORDS MGMNT INC	\$3,737.83
	E106379	11/06/2023	138560	IXL LEARNING INC	\$300.00
	E106380	11/06/2023	100928	J W PEPPER & SON INC.	\$1,502.60
	E106381	11/06/2023	054630	JOHNSTONE SUPPLY	\$2,262.97
	E106382	11/06/2023	026300	JP COOKE COMPANY	\$111.95
	E106383	11/06/2023	138181	KIDWELL ELECTRIC COMPANY INC	\$64,281.00
	E106385	11/06/2023	141745	LANG DIESEL INC	\$1,995.32
	E106386	11/06/2023	135156	LAWSON PRODUCTS INC	\$3,121.58
	E106387	11/06/2023	136240	LAZEL INC	\$13,643.10
	E106388	11/06/2023	137296	LIBERTY HARDWOODS INC	\$3,391.25

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Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
01	E106391	11/06/2023	059470	LIEN TERMITE & PEST CONTROL INC	\$3,561.50
	E106392	11/06/2023	137947	MECHANICAL SALES PARTS INC	\$3,882.40
	E106393	11/06/2023	063150	MSC INDUSTRIAL SUPPLY CO	\$34.40
	E106394	11/06/2023	107539	MUELLER ROBAK LLC	\$16,250.00
	E106395	11/06/2023	068334	NEBRASKA AIR FILTER INC	\$6,396.58
	E106396	11/06/2023	134725	OMAHA CASING CO INC	\$405.00
	E106397	11/06/2023	071545	PAPER CORPORATION	\$28,131.60
	E106398	11/06/2023	072760	PITSCO EDUCATION LLC	\$1,824.40
	E106399	11/06/2023	102199	PRIORITY FITNESS INC	\$840.00
	E106400	11/06/2023	137779	JARDINE QUALITY IRRIGATION INC	\$3,687.02
	E106401	11/06/2023	078420	RAWSON & SONS ROOFING, INC.	\$39,590.00
	E106402	11/06/2023	082100	SCHOLASTIC INC	\$2,069.11
	E106403	11/06/2023	082350	SCHOOL SPECIALTY LLC	\$451.02
	E106404	11/06/2023	083188	SHIFFLER EQUIPMENT SALES, INC.	\$4,865.33
	E106405	11/06/2023	100577	TAYLOR CORPORATION	\$17,068.81
	E106406	11/06/2023	088709	AMERICAN EAGLE COMPANY INC	\$581.70
	E106407	11/06/2023	133969	TENNANT SALES & SERVICE COMPANY	\$703.07
	E106408	11/06/2023	138304	TIME MANAGEMENT SYSTEMS	\$6,184.99
	E106409	11/06/2023	106364	TRANE US INC	\$1,290.20
	E106410	11/06/2023	138759	UNITED LANGUAGE GROUP INC	\$1,235.00
	E106411	11/06/2023	092323	VIRCO INC	\$5,784.12
	E106413	11/06/2023	140361	VWR INTERNATIONAL LLC	\$249.30
	E106414	11/06/2023	093650	VWR INTERNATIONAL LLC	\$35.99
	E106415	11/06/2023	139738	WASTE MANAGEMENT OF ILLINOIS INC	\$47,369.11
	E106416	11/06/2023	093765	WATER ENGINEERING, INC.	\$2,638.76
	E106418	11/06/2023	139185	WEST OMAHA WINSUPPLY CO	\$1,937.31
	E106419	11/06/2023	137878	WHITE WOLF WEB PRINTERS INC	\$858.21
	E106420	11/06/2023	138347	WINSOR LEARNING INC	\$4,596.90

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01	E106421	11/06/2023	109852	WURTH BAER SUPPLY CO	\$122.55
	E106422	11/06/2023	131418	B STREET COLLISION CENTER WEST INC	\$290.54
01 - Total					\$2,970,998.63
02	27252	11/06/2023	144227	JESSE RAY STOOPS	\$200.00
	27253	11/06/2023	143976	PRAISE Y AGBALETI	\$105.13
	27254	11/06/2023	143577	TWILA L BOYSEN	\$97.88
	27255	11/06/2023	144144	AMY L BUTTS	\$50.89
	27256	11/06/2023	144367	JACQUELINE K CLOYED	\$60.00
	27257	11/06/2023	144316	OWEN J DEMONT	\$90.63
	27258	11/06/2023	130966	CHRISTINE K GOODMAN	\$60.00
	27259	11/06/2023	010670	GOODWIN TUCKER GROUP	\$2,569.11
	27260	11/06/2023	131437	GRACE C KUBIK	\$111.35
	27261	11/06/2023	106392	MARKING REFRIGERATION INC	\$603.50
	27262	11/06/2023	144368	LESLIE E MCPECK	\$60.00
	27263	11/06/2023	136279	MILLARD PUBLIC SCHOOL CLEARING ACCT	\$377.40
	27264	11/06/2023	139832	PAMELA S OSTERMAN	\$21.09
	27265	11/06/2023	144315	KYLE F RODDENBERRY	\$94.25
	27266	11/06/2023	101476	SODEXO INC & AFFILIATES	\$737,314.12
	E30178	11/06/2023	143654	JEREDITH BRANDS LLC	\$35,800.00
02 - Total					\$777,615.35
06	501535	10/23/2023	142695	AERCOR WIRELESS INC	\$121,626.99
	501543	10/23/2023	131328	MILLER ELECTRIC COMPANY	\$3,375.00
	501595	11/06/2023	133480	BERINGER CIACCIO DENNELL MABREY	\$4,752.00
	501601	11/06/2023	144189	MARC A BIRKEY	\$280.00
	501639	11/06/2023	133589	CDW GOVERNMENT, INC.	\$1,038.96
	501643	11/06/2023	139924	CHOICE SOLUTIONS LLC	\$90,245.32
	501668	11/06/2023	132669	DIGITAL DOT SYSTEMS INC	\$785.00
	501763	11/06/2023	136678	K C PETERSEN CONSTRUCTION CO	\$1,355.00

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06	501780	11/06/2023	058775	LAMP RYNEARSON ASSOCIATES INC	\$7,402.82
	501822	11/06/2023	131328	MILLER ELECTRIC COMPANY	\$13,207.00
	501828	11/06/2023	142914	MARATHON REPROGRAPHICS INC	\$800.00
	501894	11/06/2023	140085	SAMPSON CONSTRUCTION CO INC	\$110,965.88
	501934	11/06/2023	132452	TERRACON INC	\$2,289.00
	E106333	11/06/2023	019111	BISHOP BUSINESS EQUIPMENT	\$3,019.00
	E106400	11/06/2023	137779	JARDINE QUALITY IRRIGATION INC	\$6,247.04
06 - Total					\$367,389.01
07	501532	10/12/2023	142847	READY TO KOOL LLC	\$6,500.00
	501558	10/19/2023	134598	PRIME COMMUNICATIONS INC	\$4,891.74
	501575	11/06/2023	010040	A & D TECHNICAL SUPPLY CO INC	\$50.00
	501595	11/06/2023	133480	BERINGER CIACCIO DENNELL MABREY	\$12,621.50
	501609	11/06/2023	141835	BRADCO COMPANY	\$41,921.43
	501620	11/06/2023	135245	BAHR VERMEER HAECKER ARCHITECTS	\$1,112.41
	501661	11/06/2023	131003	DAILY RECORD	\$115.99
	501763	11/06/2023	136678	K C PETERSEN CONSTRUCTION CO	\$10,939.00
	501772	11/06/2023	144383	KLARE STRUCTURAL ENGINEERING LLC	\$475.00
	501780	11/06/2023	058775	LAMP RYNEARSON ASSOCIATES INC	\$925.00
	501812	11/06/2023	141759	METEOR EDUCATION LLC	\$71,231.49
	501824	11/06/2023	139317	MMC MECHANICAL CONTRACTORS INC	\$36,975.51
	501825	11/06/2023	134532	MORRISSEY ENGINEERING INC	\$13,500.00
	501828	11/06/2023	142914	MARATHON REPROGRAPHICS INC	\$2,729.00
	501876	11/06/2023	139972	PURDY & SLACK ARCHITECTS PC	\$14,875.00
	501880	11/06/2023	132369	RAY MARTIN COMPANY OF OMAHA	\$253,085.80
	501882	11/06/2023	142847	READY TO KOOL LLC	\$6,267.86
	501887	11/06/2023	106416	RIFE CONSTRUCTION INC	\$1,585.00
	501894	11/06/2023	140085	SAMPSON CONSTRUCTION CO INC	\$564,972.00
	501897	11/06/2023	081880	SCHEMMER ASSOCIATES INC	\$783.07

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07	501934	11/06/2023	132452	TERRACON INC	\$3,500.00
	501942	11/06/2023	141772	TRED-MARK FINANCIAL INC	\$19,881.80
	501945	11/06/2023	144187	TUNE FACILITIES LLC	\$20,000.00
	501975	11/06/2023	136909	WHEELER CONTRACTING INC	\$1,480.00
	E106409	11/06/2023	106364	TRANE US INC	\$45,747.39
07 - Total					\$1,136,165.99
11	501512	10/05/2023	143530	KRISTIN R GIERKE-KNOTT	\$57.90
	501531	10/12/2023	143701	WASTE CONNECTIONS OF NEBRASKA INC	\$90.46
	501536	10/23/2023	140298	AMPLIFY EDUCATION INC	\$5,604.64
	501559	10/19/2023	141973	SOCIETY OF HEALTH & PHYSICAL ED NE	\$200.00
	501566	10/26/2023	037525	EDUCATIONAL SERVICE UNIT #3	\$2,972.30
	501571	10/26/2023	109843	T-MOBILE USA INC	\$36.92
	501603	11/06/2023	143926	HOT PANS INC	\$480.00
	501642	11/06/2023	136251	CHESS INC	\$189.81
	501647	11/06/2023	130646	COMMONWEALTH ELECTRIC	\$104,400.00
	501650	11/06/2023	132152	GOVCONNECTION INC	\$630.60
	501662	11/06/2023	144369	KAYLA J DANIEL	\$94.25
	501667	11/06/2023	144057	HALEY L DICKERSON	\$103.29
	501672	11/06/2023	144258	DYNAMIC INTERNET SOLUTIONS LLC	\$280.00
	501695	11/06/2023	130731	FIRST WIRELESS INC	\$770.70
	501702	11/06/2023	144370	ERIC GAYER	\$300.00
	501746	11/06/2023	049850	HY-VEE INC	\$166.58
	501748	11/06/2023	136349	SCOTT H INGWERSON	\$60.61
	501756	11/06/2023	136953	DELI MANAGEMENT INC	\$239.21
	501764	11/06/2023	143329	NOTABLE INC	\$495.00
	501769	11/06/2023	144366	OMAHA DISCOVERY TRUST	\$130.00
501782	11/06/2023	139255	CINDY L LARSON	\$34.67	
501817	11/06/2023	138462	MIDLAND UNIVERSITY	\$4,725.00	

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11	501849	11/06/2023	070810	OMAHA PUBLIC SCHOOL DISTRICT	\$400.00
	501877	11/06/2023	099927	RALSTON HIGH SCHOOL	\$50.00
	501878	11/06/2023	131705	KELLY L RANDELS COLEMAN	\$97.67
	501879	11/06/2023	140511	FAITH A RASMUSSEN	\$35.53
	501902	11/06/2023	109815	JENNIFER L SCOTT	\$460.60
	501910	11/06/2023	144377	LINDSAY A SHIELDS	\$11.01
	501918	11/06/2023	101476	SODEXO INC & AFFILIATES	\$626.69
	501928	11/06/2023	144261	ANTHONY RYAN PONTIERO	\$700.00
	501929	11/06/2023	139843	STUDENT TRANSPORTATION NEBRASKA INC	\$1,179.12
	501936	11/06/2023	143335	TILL360 LLC	\$10,500.00
	501954	11/06/2023	068875	UNIVERSITY OF NEBRASKA MED CENTER	\$47,721.00
	501960	11/06/2023	091040	VAL LTD	\$141.00
	501980	11/06/2023	142461	YMCA OF LINCOLN	\$1,375.00
	501981	11/06/2023	135890	YOUTH FRONTIERS INC	\$2,850.00
	E106312	10/05/2023	140411	SCOMAC INC	\$1,476.12
	E106321	10/19/2023	138181	KIDWELL ELECTRIC COMPANY INC	\$55,055.35
	E106323	11/06/2023	136961	ABANTE LLC	\$101.25
	E106337	11/06/2023	099417	VARSITY BRANDS HOLDING CO INC	\$984.06
	E106369	11/06/2023	132699	FATHER FLANAGANS BOYS HOME	\$3,422.20
	E106379	11/06/2023	138560	IXL LEARNING INC	\$9,175.00
	E106383	11/06/2023	138181	KIDWELL ELECTRIC COMPANY INC	\$39,900.00
	E106384	11/06/2023	107192	FLYNN INNOVATIONS LLC	\$406.24
	E106402	11/06/2023	082100	SCHOLASTIC INC	\$428.91
	E106403	11/06/2023	082350	SCHOOL SPECIALTY LLC	\$340.96
	E106411	11/06/2023	092323	VIRCO INC	\$2,499.00
	E106412	11/06/2023	135597	VISTA HIGHER LEARNING	\$4,238.55
11 - Total					\$306,237.20
14	501508	10/05/2023	144277	ALEGENT HEALTH CREIGHTON ST JOSEPH	\$2,540.00

Millard Public Schools Check Register Prepared for the Board Meeting for Nov 6, 2023

Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
14	501904	11/06/2023	142167	PRISM HEALTH GROUP LLC	\$4,673.25
14 - Total					\$7,213.25
17	501505	10/05/2023	144302	BIG SIGNS.COM INC	\$1,614.00
	501583	11/06/2023	012989	APPLE COMPUTER INC	\$1,623.45
	501607	11/06/2023	144202	BOOKS INTERNATIONAL INC	\$629.10
	501664	11/06/2023	032872	DENNIS SUPPLY COMPANY	\$2,928.23
	501669	11/06/2023	133268	DOCUMENT FINISHING RESOURCES INC	\$3,798.00
	501695	11/06/2023	130731	FIRST WIRELESS INC	\$513.80
	501705	11/06/2023	143872	GLOBAL VENDING GROUP INC	\$6,450.00
	501722	11/06/2023	144362	HEARTLAND OFFICE INSTALLERS	\$1,525.00
	501812	11/06/2023	141759	METEOR EDUCATION LLC	\$40,502.70
	501820	11/06/2023	131899	MIDWEST STORAGE SOLUTIONS	\$4,859.80
	501824	11/06/2023	139317	MMC MECHANICAL CONTRACTORS INC	\$2,855.00
	501839	11/06/2023	138778	NEBRASKA WELDING LTD	\$3,226.00
	501908	11/06/2023	083175	SHEPPARD'S BUSINESS INTERIORS	\$20,126.09
	501920	11/06/2023	131714	JOHN D SOUTHWORTH	\$159.60
	501924	11/06/2023	138165	STEVE WEISS MUSIC INC	\$14,184.00
	E106314	10/23/2023	099220	DICK BLICK CO	\$3,730.00
	E106316	10/23/2023	033473	DIETZE MUSIC HOUSE INC	\$59,326.00
	E106328	11/06/2023	102727	B & H PHOTO	\$5,507.66
	E106334	11/06/2023	099220	DICK BLICK CO	\$3,076.90
	E106402	11/06/2023	082100	SCHOLASTIC INC	\$692.23
	E106417	11/06/2023	094174	WEST MUSIC CO INC	\$5,130.00
17 - Total					\$182,457.56
50	501516	10/05/2023	144357	CARSEN ELYSE ROWE	\$3,200.00
	501533	10/12/2023	144358	BENJAMIN R SCHRANK	\$6,000.00
	501540	10/23/2023	144301	INTERMOUNTAIN WOOD PRODUCTS INC	\$527.88
	501583	11/06/2023	012989	APPLE COMPUTER INC	\$166.50

Millard Public Schools Check Register Prepared for the Board Meeting for Nov 6, 2023

Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
50	501600	11/06/2023	138712	RYANDEAN M BIRGE	\$367.79
	501633	11/06/2023	138324	REGG CARNES	\$180.00
	501636	11/06/2023	144381	ERIC CASTILLO	\$130.00
	501637	11/06/2023	140956	JOHN BARRY CASTLE	\$110.00
	501701	11/06/2023	143691	FOLLETT CONTENT SOLUTIONS LLC	\$569.40
	501729	11/06/2023	138849	JUDE F HOLZER	\$110.00
	501776	11/06/2023	144372	AARON KRUGER	\$250.00
	501778	11/06/2023	144001	KYLE STUGELMAYER	\$6,000.00
	501811	11/06/2023	102139	METAL LOGOS AND MORE	\$3,307.94
	501813	11/06/2023	144374	METRO GOLF EVENT CONSULTANTS	\$750.00
	501842	11/06/2023	069578	N CHRIS NIELSEN	\$25.00
	501858	11/06/2023	136739	JAMES W KUPER	\$1,802.75
	501864	11/06/2023	135385	PENN STATE INDUSTRIES	\$1,379.90
	501866	11/06/2023	143911	BYRON PETRY	\$120.00
	501888	11/06/2023	079310	ROCKBROOK CAMERA CENTER	\$2,015.00
	501891	11/06/2023	071023	OMAHA THEATER CO FOR YOUNG PEOPLE	\$168.00
	501895	11/06/2023	144376	SHANE T SANDERS	\$3,151.85
	501913	11/06/2023	141376	SHWETA SINGH	\$75.00
	501925	11/06/2023	138020	STEVEN W LEHR	\$90.00
	501930	11/06/2023	140521	TONYA S STUTZMAN	\$65.65
	501933	11/06/2023	143965	PAUL TEAFORD	\$296.00
	501940	11/06/2023	141330	JAMES TOKHEIM	\$140.00
	501965	11/06/2023	143902	JARAD VOSS	\$18,149.10
	501969	11/06/2023	144379	JORDAN WEBSTER-MOORE	\$1,200.00
	501988	11/06/2023	136072	NEBRASKA STATE TREASURER	\$2,015.71
	501989	11/06/2023	144386	GERARD L PALLOTTA	\$9,480.96
	E106333	11/06/2023	019111	BISHOP BUSINESS EQUIPMENT	\$1,154.00
	E106335	11/06/2023	019559	BOUND TO STAY BOUND BOOKS INC	\$57.33

Millard Public Schools Check Register Prepared for the Board Meeting for Nov 6, 2023

Fund	Check Number	Check Date	Vendor Number	Vendor Name	Transaction Amount
50	E106361	11/06/2023	033473	DIETZE MUSIC HOUSE INC	\$15,806.44
	E106379	11/06/2023	138560	IXL LEARNING INC	\$400.00
50 - Total					\$79,262.20
99	501533	10/12/2023	144358	BENJAMIN R SCHRANK	(\$196.18)
	501778	11/06/2023	144001	KYLE STUGELMAYER	(\$240.00)
	501858	11/06/2023	136739	JAMES W KUPER	(\$68.51)
	501895	11/06/2023	144376	SHANE T SANDERS	(\$51.09)
	501936	11/06/2023	143335	TILL360 LLC	(\$360.00)
	501965	11/06/2023	143902	JARAD VOSS	(\$620.00)
	501969	11/06/2023	144379	JORDAN WEBSTER-MOORE	(\$48.00)
	501989	11/06/2023	144386	GERARD L PALLOTTA	(\$400.00)
99 - Total					(\$1,983.78)
Overall - Total					\$5,825,355.41

Millard Public Schools - Planned Disposition of Surplus Property

BOE Packet Due : **11/1/2023** BOE Meeting Date: **11/6/2023** Sale or Disposals Scheduled After: **11/6/2023**

Lot	Quantity	Description
1	496	Logitech Webcam C922 Pro HD Stream
2	107	Targus - 10 key external
3	64	LG External DVD drives
4	154	Belkin Secure and Charge
5	137	Belkin Stands
6	129	Apple TV Gen 4
7	129	Apple TV Remotes
8	110	Power cord for ATV
9		Miscellaneous Adapters
10	107	VGA to Lighting
11	120	VGA to Thunderbolt
12	2	30 Pin to Lighting
13	1	VGA to Thunderbolt
14	13	HDMI to Thunderbolt
15	5	2 Port HDMI/30pin to 30 pin
16	16	DVI to HDMI
17	1	Mini HDMI to DVI
18	1	VGA to Mini HDMI
19	1	DVI to VGA
20	2	VGA to HDMI
21	3	VGA to Mini Display Port
22	3	VGA to 30 pin
23	3	Thunderbolt to Thunderbolt
24	4	Mean Well S-150-27 Power Supply
25	7	Mean Well RSP-150-27 Power Supply
26	43	Mean Well SP-150-15 Power Supply
27	32	SWS15015 TDK-Lambda Switching Power Supply
28	44	DSX-1040PDM Power Distribution Module
29	148	HID VertX V100 Door/Reader Interface
30	1	Ice Qube IQ10-12000V
31	1	FortiAnalyzer 1000E
32	873	Dell Latitude 3189 laptop with charger
33	1929	Dell Latitude 3190 laptop with charger
34	70	HP X360 310 G2 parts

AGENDA SUMMARY SHEET

Agenda Item: Revise Rule 6320.1: Curriculum, Instruction, and Assessment- Students: Requirements for Senior High School Graduation

Meeting Date: November 6, 2023

Background/Description: This rule is being revised to align with the new math courses approved by the Board of Education in the Mathematics K-12 Framework.

Action Desired: Revise Rule 6320.1: Curriculum, Instruction, and Assessment- Students: Requirements for Senior High School Graduation

Policy / Strategic Plan Reference: N/A

Responsible Person(s): Dr. Heather Phipps, Dr. Tony Weers, Dr. Melanie Olson, Tami Whitted

Superintendent's Signature:



Curriculum, Instruction, and Assessment

Students: Requirements for Senior High School Graduation

6320.1

Students differ widely in interests, abilities and personal goals. For this reason, the following are stated as minimums to allow flexibility in the planning of individual student programs. These basic uniform requirements are established for graduation from the Millard Public Schools. In addition to specified credit requirements, students must successfully meet District Assessment requirements as outlined in Board of Education Rule 6315.1, complete a Personal Learning Plan, and beginning with the Class of 2025 complete the Free Application for Federal Student Aid (FAFSA) according to District and state requirements.

- I. Credits: A minimum of **230 credits** is required for graduation. Each student's program shall include, but not be limited to, the programs and courses listed below and may be amended, revised, or deleted by the Board of Education as approved and published in the Millard Public Schools High School Curriculum Handbook and Registration Guide.

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
English	40	English 9	10
		English 10	10
		English 11	10
		Oral Communications	5
		Choice of Speech, Forensics: Competitive Speech, Debate, Competitive Debate, Professional Speaking (Education Academy) or the combination of IB Language A, IB Language B and 12th Grade Theory of Knowledge	
		Choice of an English Selected Course	5

The student will take five (5) credits from the following:

English Selected Courses

AP English Language & Composition	IB English HL II
AP English Literature & Composition	Literacy for Life
Contemporary Literature	Popular Genres in Literature
Creative Writing	Literature and Film
Global Perspectives through Literature	College Writing
	Media Analysis

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
Social Studies	30	World Geography - 9 th	5
		World History - 10 th	10
		United States History - 11 th or 12 th	10
		United States Government & Economics - 11 th or 12 th	5

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
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Mathematics	30	Algebra I or Alg I: Foundations I or appropriate course from the math sequence	10
		A course numbered 220 or higher	10
		One additional math course	10

[Beginning with the 2024-2025 school year, math courses have been realigned and renumbered. The Curriculum Handbook and Registration Guide reflects the course sequence.](#)

[Algebra 1 and Geometry 1 or Foundations Algebra 1 and Foundations Geometry 1](#)
(or appropriate course from the math sequence) 10

[Algebra 2 and Geometry 2 or Foundations Algebra 2 and Foundations Geometry 2](#)
(or appropriate course from the math sequence) 10

[Algebra 3 and Algebra 4: Probability & Statistics or Foundations Algebra 3 and Foundations Algebra 4: Probability & Statistics](#)
(or appropriate course from the math sequence) 10

Computer Science courses may not be applied toward math credit.

PROGRAM	TOTAL COURSE/SUBJECT CREDITS	COURSE OR SUBJECT AREAS	CREDITS
Science	30	Biology - 9 th	10
		Chemistry OR	10 OR
		Physical Science: Chemistry - 10 th or 11 th	5
		Physics OR AP Physics I: Algebra-Based	10 OR
		Physical Science: Physics - 10 th or 11 th	5
		Choice of Science Electives - dependent upon choice of 5 or 10 credit Chemistry and Physics Courses	0-10

Curriculum Handbook describes science courses and recommended/optional course sequences.

PROGRAM	TOTAL COURSE/SUBJECT CREDITS	COURSE OR SUBJECT AREAS	CREDITS
Physical Education	15	Choice of grade-appropriate courses	15

Curriculum Handbook describes and recommends grade-level PE courses.

PROGRAM	TOTAL COURSE/SUBJECT CREDITS	COURSE OR SUBJECT AREAS	CREDITS
Health Education	5	Healthy Living taken in 10 th or 11 th grade ELD Health	5

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
Fine & Performing Arts	5	Choice of Fine & Performing Arts Courses	5

The student will take five (5) credits from the following:

Fine & Performing Arts Selected Courses

Any art course
Any music course
Theatre & Performance I
Theatre Appreciation

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
Financial Literacy	5	Choice of Financial Literacy Selected Course	5

The student will take five (5) credits from the following:

Financial Literacy Selected Courses

Personal Finance
Financial Literacy (Entrepreneurship Academy)
Life Skills & Career Opportunities (AFJROTC)
ELD Financial Literacy

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
Human Resources	5	Choice of Human Resources Course	5

The student will take five (5) credits from the following:

Human Resources Selected Courses

Sociology	Human Diversity
Psychology	International Relations
Adult Life & Parenting	Introduction to Behavioral Sciences
Child Development	IB Psychology
AP Psychology	IB Theory of Knowledge I
Law Studies	World Religions
ELD Adult Living	

<u>PROGRAM</u>	<u>TOTAL CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
Technology Education	5	For the Class of 2027 and beyond: Choice of Technology Education Selected Courses	5

The student will take five (5) credits from the following:

Technology Education Selected Courses

Business Technologies
Emerging Technologies
Computer Science Programming
AP Computer Science Principles

Digital Media
 Introduction to Engineering
 Information Technology I (STEM Academy)
 ELD Computer Literacy

TOTAL			
COURSE/SUBJECT			
<u>PROGRAM</u>	<u>CREDITS</u>	<u>COURSE OR SUBJECT AREAS</u>	<u>CREDITS</u>
		For the Classes prior to 2027:	
Electives	65	A total of 65 additional credits	65
		For the Class of 2027 and beyond:	
Electives	60	A total of 60 additional credits	60

- A. A grade of four (4) or better must be maintained in any course used to fulfill graduation requirements.
 - B. Electives courses are offered in the subject areas previously listed and in business marketing & management, communication & information systems, world language, family & consumer sciences, skilled and technical sciences, art, drama, debate, journalism, and music.
 - C. In order to provide flexibility in such situations as transfers and special needs, waivers may be submitted by staff and approved by the principal.
 - D. A student must complete credits as described herein in order to graduate and receive a diploma from the Millard Public Schools.
- II. Assessments: In addition to 230 credits required for graduation, students must also successfully meet the College and Career Readiness metric for the high school Essential Learner Outcomes of College and Career Readiness assessments. Assessment requirements, including the process to be followed when a student does not initially meet the Essential Learner Outcomes of College and Career Readiness metric for each outcome, are found in Rule 6315.1.
- III. Personal Learning Plan (PLP): In addition to 230 credits and successfully meeting the College and Career Readiness metric for the high school Essential Learner Outcomes of College and Career Readiness, students must also complete a Personal Learning Plan (PLP) according to District requirements.
- IV. Free Application for Federal Student Aid: Beginning with the Class of 2025, each student must submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) prior to graduation. A public high school student shall not be required to complete the FAFSA if:
- A. A parent or legal guardian of or a person standing in loco parentis to such student signs and submits the appropriate form prescribed by the Commissioner of Education indicating that such parent, legal guardian, or person standing in loco parentis authorizes such student to decline to complete and submit a Free Application for Federal Student Aid;
 - B. The school principal or the school principal's designee signs and submits the appropriate form prescribed by the Commissioner of Education authorizing such student to decline to complete and submit a Free Application for Federal Student Aid for good cause as determined by the school principal or the school principal's designee; or
 - C. A student who is nineteen years of age or older or is an emancipated minor signs and submits the appropriate form prescribed by the Commissioner of Education stating that such student declines

to complete and submit a Free Application for Federal Student Aid.

- V. Graduation: Upon successful completion of the required credits, assessments Personal Learning Plan, and beginning with the Class of 2025 Free Application for Federal Student Aid, a student shall be eligible for a graduation diploma from the Millard Public Schools.
- VI. Annual Review: This rule shall be reviewed annually by the Educational Services Division and the Data, Assessment, Research, and Evaluation Department and brought to the Board of Education when changes are necessary.

Related Policies and Rules: 6301, 6301.1, 6315, 6315.1, 6320, 6320.2, 6320.3, 6320.4

Legal Reference: 79-729

Rule Approved: April 16, 2011

Revised: Dec. 5, 1983; Dec. 17, 1990; May 17, 1999; Oct. 18, 1999; July 31, 2000;

March 4, 2002; July 21, 2003; June 21, 2004; June 6, 2005; June 5, 2006; June 4, 2007;

July 7, 2008; November 2, 2009; November 1, 2010; November 7, 2011; November 5,

2012; October 21, 2013; August 4, 2014; November 3, 2014; July 6, 2015; November 2,

2015; July 11, 2016; August 20, 2018; June 3, 2019; June 3, 2019; June 7, 2021; May 2,

2022; November 7, 2022; November 21, 2022, June 5, 2023; August 21, 2023; [November 6, 2023](#)

Reaffirmed: July 6, 2009

Millard Public Schools
Omaha, NE

AGENDA SUMMARY SHEET

Agenda Item:	Approval of High School and Middle School Handbook and Registration Guides 2024-2025
Meeting Date:	November 6, 2023
Background/ Description:	<p>Jobs for America's Graduates (JAG Nebraska), a new partnership to provide college and career readiness skills to select middle school students, was added to the middle school handbook.</p> <p>FAFSA as a graduation requirement was added to the High School Registration Handbook. The FAFSA graduation requirement (LB201) goes into effect for the class of 2025.</p> <p>New mathematics courses, sequence, and course numbers are incorporated into the High School Registration Handbook. Relevant prerequisites in other departments have been updated with corresponding mathematics courses from the newly approved mathematics sequence.</p> <p>In the spirit of our continued work on weeding the garden, Diploma Path offerings have been reviewed by a committee of Millard staff and are being sunset. The district has multiple opportunities available for our students to identify pathways in high school, and we provide a multitude of opportunities for student recognition. Current freshman (class of 2027) will be the last class recognized for completion of a Diploma Path.</p>
Action Desired:	Approval of High School and Middle School Handbook and Registration Guides 2024-2025
Policy / Strategic Plan Reference:	Parameter: We will always communicate effectively, both internally and externally, in order to implement our Strategic Plan, operate our schools, and maintain high levels of student, staff, family and community support.
Responsible Person(s):	Dr. Heather Phipps, Dr. Anthony Weers, Dr. Melanie Olson, Sam Ballard, Mary Bayne, Andy Pinkall, Antonio Gonzalez, Heather Spessard-Schroer, Dr. Heather Daubert, Trevor Wenger, Anna Thoma, Katie Lawlor, Dr. Jennifer Reid, and Curriculum & Instruction MEP Facilitators.

**Superintendent's
Signature:**





Middle School
Curriculum Handbook
2024-2025



Millard Public Schools

Millard Board of Education

Stacy Jolley
Mike Kennedy
Amanda McGill Johnson
Mike Pate
Linda Poole
Lisa Schoenberger

John Schwartz, Ed.D., Superintendent

Millard Public Schools Mission

Millard Public Schools guarantees each student exemplifies the knowledge, skills, and character necessary for personal excellence and responsible citizenship through an innovative, world-class educational community that challenges and empowers all students.



NOTICE OF NON-DISCRIMINATION

The Millard School District does not discriminate on the basis of race, color, religion, national origin, marital status, disability, age, sex, sexual orientation, gender, gender identity, or on any other basis prohibited by federal, state, or local laws in admission to or access to or treatment of employment, in its programs and activities. The following person has been designated to handle inquiries regarding the discrimination and harassment policies: Associate Superintendent of Human Resources, 5606 South 147 Street, Omaha, NE 68137 (402) 715-8200. The Associate Superintendent of Human Resources may delegate this responsibility as needed. Complaints by school personnel or job applicants regarding unlawful discrimination or unlawful harassment shall follow the procedures of District Rule 4001.2. School personnel or job applicant complaints regarding sexual harassment shall follow the procedures of District Rule 4001.3. Complaints by students or parents regarding unlawful discrimination or unlawful harassment shall follow the procedures of District Rule 5010.2. Student or parent complaints regarding sexual harassment shall follow the procedures of District Rule 5010.3..

It is the intent of District and Middle School administrators to offer all courses and programs as noted within the 2024-2025 Middle School Curriculum Handbook. However, courses and/or program offerings may be canceled due to budget constraints and/or low enrollment numbers.



Dear Parents, Guardians, and Students,

Welcome to middle school! This is an exciting time for both students and parents! As principals of the middle schools within Millard Public Schools, we take great pride in our middle level program. Our middle schools not only provide high academic expectations, but also support the social, emotional, and physical needs of the 11-14 year old student. Middle school students in Millard will have many opportunities to expand upon the academic foundations built during the elementary years. Our schools are safe and caring places where students can learn academic and college and career readiness skills, practice Millard Public Schools character traits and participate in a variety of activities.

The Middle School Curriculum Handbook contains a summary of the Millard Public Schools Middle Level Philosophy, course offerings and descriptions, specialized programs, and additional resource information for our students and parents. We hope this information will help families feel more informed and comfortable so that together we can help our students succeed. The effort and dedication students apply to their studies during middle school will affect their educational performance at high school and beyond.

Parent and guardian support and interest are critical factors for successful student learning. We value and encourage parent involvement and participation. Our schools are committed to keeping parents and guardians informed through various forms of communication such as school websites, newsletters, social media, ParentVUE / StudentVUE / Synergy access, phone calls, emails, and more. Please feel free to contact our school staff if you have questions.

Thank you for allowing us the opportunity to serve your family during this exciting time in the life of your adolescent. As a nationally recognized school district, we are committed to doing whatever it takes to ensure student success and promote a strong sense of community.

We wish you the best and great success as we work together during the 2024-2025 school year!

Eric Grandgenett, Principal
Andersen Middle School

John Southworth, Principal
Beadle Middle School

Michelle Klug, Ed.D., Principal
Central Middle School

Marshall Smith, Principal
Kiewit Middle School

Scott Ingwerson, Ed.D., Principal
North Middle School

Beth Fink, Ed.D., Principal
Russell Middle School

Middle School Course Descriptions

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Considerations for Course Enrollment

Millard Public Schools Middle Level Philosophy: The purpose of the Millard Middle Schools is to meet the intellectual, social, ethical, emotional, and physical needs of 11-14 year old students through programs and instructional practices that are academically and developmentally appropriate and include essential elements of instruction, management, and curriculum.

- The essential elements of middle level instruction, management, and curriculum are:
 - High academic expectations
 - Interdisciplinary teams
 - Exploratory offerings
 - Inclusionary practices
 - Student advisement
 - Developmentally appropriate instructional practices
 - Climate conducive to learning
- Operational parameters for the middle schools include:
 - Common planning
 - Schedule conducive to multiple options for students
 - Developmentally appropriate co-curricular program
 - Team leadership and team structure
 - Effective transition in, through, and out of middle grades
 - Partnership of students, home, staff, and community

The Middle School Schedule: Students attend seven classes daily from 7:55 a.m. to 3:00 p.m. Tuesday through Friday. Classes begin at 8:30 a.m. on Mondays to allow for teacher collaboration. The transportation schedule will be the same Monday through Friday for students riding the bus. The school year is divided into six-week periods referred to as hexters.

Required Courses: What do I enroll in?

- **Four Core Subjects:** Every student takes a “core” curriculum of four year-long classes in English, Mathematics, Science, and Social Studies. Mathematics placement is determined by the triangulation of three data points, teacher recommendation, and past progress in the mathematics classroom.
- **Physical Education:** Students take a year-long Physical Education course that meets on alternate days or alternate hexters. On opposite days, a student may choose either a Spanish or Reading course.
- **Academic Seminar:** Seventh grade students take this hexter-long course to develop plans for high school, college, and career readiness.
- **Health:** In 6th grade, 7th grade, and 8th grade, students will take one hexter of Health.
- **Guided Study Period (GSP):** Students will have a yearlong GSP supported by their team teachers. (Band, Choir or Orchestra will be scheduled during GSP or elective periods depending on building schedules.)
- **Academic Support Classes:** Teachers, parents, and students may decide that students would benefit from academic support or enrichment beyond the required courses.
 - Students with Special Education Individual Education Programs (IEP) may participate in a resource class as specified in the student’s IEP.
 - Other students who need additional academic or organizational support may be directed to take a Success Strategies course.
 - Students learning English may take English Language Development (EL) classes.

Considerations for Course Enrollment

Elective Courses: After required courses are scheduled, students will select elective courses as well as elective course alternates to be used if first-choice courses conflict or are unavailable. In 6th grade, students will take five elective courses. In 7th grade, students will take four elective courses. In 8th grade, students will take five elective courses.

High Ability Learners (HAL): The HAL Program is designed to both challenge and provide opportunities for identified middle level students. It is a collaborative program involving all middle level teachers including a middle level HAL facilitator. Opportunities may include differentiated classroom instruction, seminars, and workshops. In addition, HAL identified students may enroll in a HAL elective course. Please refer to the Millard Public Schools website <https://www.mpsomaha.org/departments/curriculum/high-ability-learners> to find more information.

English Language Development (EL) Program: The purpose of the English Language Development Program is to provide English language instruction to limited and non-English speaking students who enter our community and require these services. The goal of the program is to help students demonstrate proficiency in English so that they can be full participants in the general education program. **EL students attend Andersen Middle School or Central Middle School.**

Programs of Choice: Millard Public Schools supports the philosophy of alternative programs and parent choice. These programs may use a specific curriculum, classroom management and structure system, and instructional practices that are significantly different from the PK-12 Education Program. Parent choice programs embrace the District and Nebraska standards and assessments.

- **Bridge to Early College** at Central Middle School
- **International Baccalaureate® – Middle Years Program (IB-MYP)** at North Middle School
- **Montessori Program** at Russell Middle School

Grading Guidelines: The Millard Public Schools Grading Guidelines for second through twelfth grade shall be used to report achievement, academic progress, and compute Grade Point Averages (GPA) where applicable.

Number Grade	Letter Grade	% Grade Range	Standard Grade Points
1 =	A =	100-93 =	20 Grade points or
2 =	B =	92-85 =	15 Grade points or
3 =	C =	84-77 =	10 Grade points or
4 =	D =	76-69 =	5 Grade points or
5 =	F =	68-0 =	0 Grade points
P =	P =	Pass =	0 Grade points
F =	F =	Fail =	0 Grade points

A student's Grade Point Average (GPA) shall be calculated by dividing the total Grade Points achieved by the total course credits attempted.

Considerations for Course Enrollment

Millard Public Schools Secondary Mathematics Articulation

6 th Grade	7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Math 6	Math 7	Math 8	Algebra 1 -AND- Geometry 1	Algebra 2 -AND- Geometry 2	Algebra 3 -AND- Algebra 4: Probability and Statistics	*AP Precalculus -OR- College Algebra -OR- *AP Statistics -OR- Trigonometry -OR- Discrete Mathematics -OR- Sports Math & Game Theory -OR- Math for the Arts -OR- Math for Life -OR- Skilled and Technical Math
		Algebra 1 -AND- Geometry 1	Algebra 2 -AND- Geometry 2	Algebra 3 -AND- Algebra 4: Probability and Statistics	*AP Precalculus -OR- College Algebra -OR- *AP Statistics -OR- Trigonometry -OR- Discrete Mathematics -OR- Sports Math & Game Theory -OR- Math for the Arts -OR- Math for Life -OR- Skilled and Technical Math	*AP Calculus AB -OR- *AP Calculus BC -OR- *AP Statistics -OR- Precalculus -OR- Honors Precalculus -OR- College Algebra -OR- Any course from 11th grade
Integrated Math II for 6th graders <i>(Only 2023-2024 6th graders)</i>	Math 8 for 7th Grade	Algebra 1 -AND- Geometry 1	Algebra 2 -AND- Geometry 2	Algebra 3 -AND- Algebra 4: Probability and Statistics	Mathematics -OR- Sports Math & Game Theory -OR- Math for the Arts -OR- Math for Life -OR- Skilled and Technical Math	Any course from 11th grade
Prealgebra 6	Algebra 1 -AND- Geometry 1	Honors Algebra 2 -AND- Honors Geometry 2	Honors Algebra 3 -AND- Algebra 4: Probability and Statistics	*AP Precalculus -OR- College Algebra -OR- *AP Statistics -OR- Trigonometry -OR- Discrete Mathematics -OR- Sports Math & Game Theory -OR- Math for the Arts -OR- Math for Life -OR- Skilled and Technical Math	*AP Calculus AB -OR- *AP Calculus BC -OR- Any course from 10th grade	Calculus 2 & Advanced Topics -OR- Calculus III & Differential Equations -OR- Any course from 10th or 11 grade

*AP-Advanced Placement®

6th Grade Course Descriptions - Required

Grade 6

Required Courses

English:

0600 English Language Arts 6 -OR-
0897 Honors English 6 (CMS only)

Math:

MA606 Math 6
MA626 Prealgebra 6

3600 Science 6
4600 Ancient Civilizations 6
8600 Physical Education 6
8610 Health 6

Electives

7650 Art 6
7600 Band 6
5610 Child Care, Food & Nutrition 6
7630 Choir 6
2663 Computer Science 6
2656 Creative Writing 6
9061 HAL Challenge 6
5622 Integrated Learning Lab 6
4602 Law and Public Service 6
BE01 Leadership in Bridge to Early
College 6 (CMS only)
7610 Music Lab 6
7620 Orchestra 6
6600 Skilled and Technical Sciences 6
1618 Spanish A
1620 Spanish I-A
3621 STEM 6
2652 Young Adult Literature 6

Grade 7

Required Courses

English:

0700 English Language Arts 7 -OR-
0898 Honors English 7 (CMS only)

Math:

MA707 Math 7 -OR-
MA807 Math 8 -OR-
MA827 Algebra 1 AND
MA847 Geometry 1

3700 Science 7
4700 World Studies 7
8700 Physical Education 7
8710 Health 7
5827 Academic Seminar 7

Electives

7750 Art 7
7700 Band 7
5710 Child Care, Food & Nutrition 7
7730 Choir 7
2665 Computer Science 7
2756 Creative Writing 7
9071 HAL Challenge 7
5722 Integrated Learning Lab 7
4702 Law and Public Service 7
BE02 Leadership in Bridge to Early
College 7 (CMS only)
7710 Music Lab 7
7720 Orchestra 7
6700 Skilled and Technical Sciences 7
1718 Spanish B
1722 Spanish II-A
3721 STEM 7
2752 Young Adult Literature 7

Grade 8

Required Courses

English:

0811 English Language Arts 8 -OR-
0813 Honors English 8

Math:

MA808 Math 8 -OR-
MA828 Algebra 1 AND
MA848 Geometry 1 -OR-
MA848 Geometry 1 AND
MA888 Honors Geometry 2

3800 Science 8
4800 United States History 8
8800 Physical Education 8
5880 Health 8

Electives

7800 Band 8
7830 Choir 8
2667 Computer Science 8 Creative Design
2669 Computer Science 8 Game Design
2671 Computer Science 8 Web Design
2856 Creative Writing 8
6820 Engineering & Design 8
1814 Explore French
1833 Explore German
5810 Food, Nutrition & Family Connections
9081 HAL Challenge 8
5822 Integrated Learning Lab 8
4802 Law and Public Service 8
BE03 Leadership in Bridge to Early
College 8 (CMS only)
7810 Music Lab 8
7820 Orchestra 8
7850 Drawing 8
7860 Painting 8
7870 Pottery/Sculpture 8
7890 Advanced Art Exploration 8
6800 Skilled and Technical Sciences 8
1818 Spanish C
1826 Spanish II-B
3821 STEM 8
2852 Young Adult Literature 8

**Electives are offered based on student request and building staffing.
Not all electives may be offered in every building.**

6th Grade Course Descriptions - Required

LANGUAGE ARTS

0600	English Language Arts 6	1 Year
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Students will learn and apply comprehension strategies while reading, writing, and responding to a variety of media and genres. Students will refine their writing skills in all modes of writing through the Six Traits and the writing process to plan, draft, revise, edit, and publish with diverse purposes and audiences in mind. Learners will develop speaking and listening skills to effectively communicate in both formal and informal settings. Successful completion of this course will prepare students for English Language Arts 7.

0897	Honors English 6 (CMS Bridge to Early College students only)	1 Year
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Honors English 6 provides an extension of curriculum from the English Language Arts 6 course with an emphasis on advanced reading, writing, speaking, and listening skills. This course will encourage analysis of texts and effective use of complex writing skills. Students will communicate information about a variety of topics, texts, and issues through questioning, summarizing, and explanation within small and large groups. Students who take this course are expected to be self-motivated learners who are eager to develop their skills of independence.

MATHEMATICS

MA606	Math 6	1 Year
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Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. In Grade 6, instruction emphasizes the development of the mathematical processes as the vehicle for connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems, completing computational understanding with the division of fractions and moving towards efficiency by using the algorithm for each operation, extending understanding of the number line to include the entire system of rational numbers, which now includes negative numbers, writing and using expressions and equations, and representing data in multiple ways in order to analyze and interpret the results.

MA626	Prealgebra 6	1 Year
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Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. In Prealgebra 6, instruction emphasizes the development of the mathematical processes as the vehicle for writing and using expressions and equations, representing data in multiple ways in order to analyze and interpret the results, developing an understanding of proportional relationships, extending understanding of the number line and understanding operations with rational numbers, solving problems involving perimeter and area of two-dimensional figures as well as surface area and volume of three-dimensional figures, using linear equations to represent, analyze, and solve a variety of problems, including rate of change and y-intercept for a given situation, developing an understanding of irrational numbers and integer exponents, analyzing two-dimensional figures and solving problems using understanding of distance, angle, similarity, and congruence; understanding and applying the Pythagorean Theorem, and investigating probability concepts.

Prerequisite: Qualifying test scores on math placement exams

SCIENCE

3600	Science 6	1 Year
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Students will use scientific inquiry to investigate the natural world and understand the connections among life, physical, and Earth sciences through 3-Dimensional teaching and learning strategies. Students will also explore the role of science in society. Concepts included in Science 6 are Water Cycle, Weather/Climate, Cells/Genetics, Body Systems, and Thermal Energy. Each unit has students engage as scientists or engineers in making explanations or designing solutions as they figure out a real-world problem. Students use the three dimensions (core ideas, practices, and crosscutting concepts) as they build their understanding of the concepts and skills they can use in their lives.

SOCIAL STUDIES

4600	Ancient Civilizations 6	1 Year
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Students will study cultures of the Eastern Hemisphere from Pre-History through the Middle Ages while incorporating geography, history, government, culture, and economics. Students will participate in engaging activities and build critical thinking skills using primary and secondary sources. Current events will be included throughout the year.

PHYSICAL EDUCATION

8600	Physical Education 6	1 Year
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The sixth grade physical education program is co-educational and provides students opportunities to demonstrate the knowledge and skills necessary to maintain lifelong participation in exercise. The course meets on alternate days or alternate hexters. Sixth grade physical education emphasizes continued development of skills and lead-up games in a variety of lifetime activities with a concentration on team activities, individual activities and physical fitness.

6th Grade Course Descriptions - Required

HEALTH		
8610	Health 6	1 Hexter
Students will be introduced to the promotion of good health and well-being. Activities emphasize the positive choice one makes related to chemical substances, fitness, friendships, human growth and development, and nutrition.		

7th Grade Course Descriptions - Required

LANGUAGE ARTS		
0700	English Language Arts 7	1 Year
<p>Students will learn and apply comprehension strategies while reading, writing, and responding to a variety of media and genres. Students will refine their writing skills in all modes of writing through the Six Traits and the writing process to plan, draft, revise, edit, and publish with diverse purposes and audiences in mind. Learners will develop speaking and listening skills to effectively communicate in both formal and informal settings. Successful completion of this course will prepare students for English Language Arts 8.</p>		
0898	Honors English 7 (CMS Bridge to Early College students only)	1 Year
<p>Honors English 7 provides an extension of curriculum from the English Language Arts 7 course with an emphasis on advanced reading, writing, speaking, and listening skills. This course will introduce students to deeper application of texts and extend their use of complex writing skills. Students will develop the skills of academic discourse in small and large groups. Students who take this course are expected to be self-motivated learners who are eager to refine their skills of independence.</p>		
MATHEMATICS		
MA707	Math 7	1 Year
<p>Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. During Grade 7, instruction emphasizes the development of the mathematical processes as the vehicle for developing an understanding of proportional relationships, understanding operations with rational numbers, using expressions and linear equations to represent and solve problems, solving problems involving perimeter and area of two-dimensional figures as well as surface area and volume of three-dimensional figures, and investigating probability concepts.</p> <p><i>Prerequisite: Integrated Math I</i></p>		
MA807	Math 8	1 Year
<p>Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. During Grade 7, instruction emphasizes the development of the mathematical processes as the vehicle for developing an understanding of proportional relationships, understanding operations with rational numbers, using expressions and linear equations to represent and solve problems, solving problems involving perimeter and area of two-dimensional figures as well as surface area and volume of three-dimensional figures, and investigating probability concepts.</p> <p><i>Prerequisite: Integrated Math II</i></p>		
MA827	Algebra 1	1 Semester
<p>Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Algebra 1 is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and who understand mathematics in a more abstract form.</p> <p><i>Prerequisite: Integrated Math III</i></p>		
MA847	Geometry 1	1 Semester
<p>Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Writing proofs to prove properties of geometric figures is emphasized.</p> <p><i>Prerequisite: Integrated Math III</i></p>		
SCIENCE		
3700	Science 7	1 Year
<p>Students will demonstrate the understanding of the unifying concepts and processes of life, physical, Earth, and space sciences through 3- Dimensional teaching and learning strategies, the use of scientific inquiry, engineering practices, and technology. Students will explore the cycling of energy and matter in chemistry, biochemistry, ecosystems, and earth itself through real world, phenomena-based learning that leans on authentic scientific practices and builds on crosscutting concepts that flow throughout all of the sciences.</p>		

7th Grade Course Descriptions - Required

SOCIAL STUDIES

4700 World Studies 7 1 Year

Students will develop critical thinking and problem-solving skills as they examine specific historical ideas, beliefs, and themes while analyzing how individuals and societies have changed over time. Students will further develop understanding of fundamental geographic concepts and processes, economic reasoning, and demographics of the world. Major significant local, national, and world events will be utilized throughout the course.

PHYSICAL EDUCATION

8700 Physical Education 7 1 Year

The seventh grade physical education program is co-educational and is designed to provide students with a variety of opportunities to continue demonstrating knowledge and skills, while participating in team and individual activities. The course meets on alternate days or alternate hexters. The purpose of the seventh grade program is to provide students with continued opportunities to develop skills and individual fitness through exercise.

HEALTH

8710 Health 7 1 Hexter

Students will develop and maintain healthy lifestyles. Emphasis is placed on information and the positive choices students can make to promote good health, now and throughout their lives. Health 7 focuses on diseases, environmental health, personal health, relationship boundaries, and substance abuse.

COLLEGE AND CAREER READINESS

5827 Academic Seminar 7 1 Hexter

Students will explore their way to success! They will determine how to challenge themselves academically while they are in middle school and as they transition into high school. This course will assist in building intellectual and career capacity while reflecting and refining work habits, further developing strategies for perseverance, and exploring the Nebraska Career Education Model in order to create their four-year plan for high school and beyond.

8th Grade Course Descriptions - Required

LANGUAGE ARTS

0811 English Language Arts 8 **1 Year**

Students will learn and apply comprehension strategies while reading, writing, and responding to a variety of media and genres. Students will refine their writing skills in all modes of writing through the Six Traits and the writing process to plan, draft, revise, edit, and publish with diverse purposes and audiences in mind. Learners will develop speaking and listening skills to effectively communicate in both formal and informal settings. Successful completion of this course will prepare students for English 9, Honors English 9, or English 9 Literacy Enrichment at the high school.

0813 Honors English 8 **1 Year**

Honors English 8 provides an extension of curriculum from the English 8 course with an emphasis on advanced reading, writing, speaking, and listening skills. This course will encourage deeper application, frequent academic discourse, and independent critical thinking. Students who take this course are expected to be self-motivated learners with a strong foundation in oral and written communication who are eager to sharpen their skills.

MATHEMATICS

MA808 Math 8 **1 Year**

Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. In Grade 8, instruction emphasizes the development of the mathematical processes as the vehicle for using linear equations to represent, analyze, and solve a variety of problems, developing an understanding of irrational numbers and integer exponents, analyzing two-dimensional figures and solving problems using understanding of distance, angle, similarity, and congruence, understanding and applying the Pythagorean Theorem, and determining and describing rate of change and y-intercept for given situations.

Prerequisite: Integrated Math II

MA828 Algebra 1 **1 Semester**

Students will explore linear, quadratic, and exponential equations in depth. They will also study probability concepts as an extension of Integrated Math II. Algebra I is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and understand mathematics in a more abstract form.

Prerequisite: Integrated Math III

MA848 Geometry 1 **1 Semester**

Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Writing proofs to prove properties of geometric figures is emphasized.

Prerequisite: Integrated Math III or Algebra I

MA888 Honors Geometry 2 **1 Semester**

Students will study the properties and applications of geometric figures in two and three dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as transformations, right triangle trigonometry, properties of circles, and perimeter, area, and volume applications. Writing proofs to prove properties of geometric figures is emphasized. This course will go into greater depth than Geometry 2 and is recommended for students who plan to pursue Advanced Placement[®] or International Baccalaureate[®] mathematics classes in high school.

Prerequisite: Algebra I

SCIENCE

3800 Science 8 **1 Year**

Students will make connections among life, physical, Earth, and space sciences through 3-Dimensional teaching and learning strategies. Students will explore the forces and interactions, waves and electromagnetic radiation, heredity, natural selection and adaptations, space systems, and the history of Earth. Students will demonstrate their understanding of these concepts through scientific inquiry and the use of technology. Students will use this knowledge to engineer solutions to real-world issues. Students will explore these topics through real-world, phenomena-based learning by using authentic scientific practices and by building on crosscutting concepts that flow throughout all of the sciences.

SOCIAL STUDIES

4800 United States History 8 **1 Year**

Students will study history through a chronological approach emphasizing the social and political impact of the development of the United States. The course begins with a review of early explorers, early colonization and events leading up to the American Revolution. A detailed study of the United States Constitution through the Gilded Age.

8th Grade Course Descriptions - Required

PHYSICAL EDUCATION

8800 Physical Education 8

3 Hexters

The eighth grade physical education program is co-educational and is designed to expand students' exposure by demonstrating competency, while participating in team and individual activities with a concentration on individual fitness and exercise. The course meets on alternate days or alternate hexters. This program emphasizes application of skills and sport knowledge through modified game participation.

HEALTH

5880 Health 8

1 Hexter

Students will demonstrate health-enhancing behaviors by accepting responsibility for their physical, emotional, and social well-being. Units of study include Healthy Relationships, Emotional Health (Stress, Loss, Depression, and Suicide), and Human Sexuality (Teen Parenting, Refusal Skills, Dating, and Sexually Transmitted Infections). Activities emphasize the positive choices one makes related to basic values: equality, honesty, respect, responsibility, promise keeping, self-control, and social justice. The theme throughout the course is abstinence from risky behaviors.

Special Education Courses

SPECIAL EDUCATION – FUNDAMENTALS

Fundamentals courses below are offered only at Beadle, Central and North.

9910 Fundamentals of English (6th, 7th, 8th) 1 Year

This course is designed for students who require an alternate curriculum in written and oral expression. The outcomes of these courses are aligned with the Nebraska Department of Education's Alternate Assessments Standards. This course's grading system is pass/fail.

9915 Fundamentals of Reading (6th, 7th, 8th) 1 Year

This course is designed for students who require an alternate curriculum in reading. The outcomes of these courses are aligned with the Nebraska Department of Education's Alternate Assessments Standards. This course's grading system is pass/fail.

9920 Fundamentals of Math (6th, 7th, 8th) 1 Year

This course is designed for students who require an alternate curriculum in mathematics. The outcomes of these courses are aligned with the Nebraska Department of Education's Alternate Assessments Standards. This course's grading system is pass/fail.

9930 Fundamentals of Science (6th, 7th, 8th) 1 Year

This course is designed for students who require an alternate curriculum in science. The outcomes of these courses are aligned with the Nebraska Department of Education's Alternate Assessments Standards. This course's grading system is pass/fail.

9940 Fundamentals of Social Studies (6th, 7th, 8th) 1 Year

This course is designed for students who require an alternate curriculum in social studies. The outcomes of these courses are aligned with the Nebraska Department of Education's Alternate Assessments Standards. This course's grading system is pass/fail.

Special Education classes and support are offered at each grade level in accordance with the student's Individual Educational Program (IEP).

Elective Courses

ART		
7650	Art 6	1 Hexter
<p>Art 6 is an elective course designed to expose students to an exploration of 2D and 3D media and techniques. In this class, students explore self-expression through a variety of art media and techniques. This class is designed to encourage students to think critically and problem solve as an artist.</p> <p>Prerequisite: None</p>		
7750	Art 7	1 Hexter
<p>Art 7 is an elective course designed to further expose students to an exploration of 2D and 3D media and techniques while focusing on composition. In this class, students explore self-expression through a variety of art media and techniques. This class is designed to encourage students to think critically and problem solve as an artist.</p> <p>Prerequisite: None</p>		
7850	Drawing 8	1 Hexter
<p>Drawing 8 is an elective course designed to further expose students to an exploration of a variety of drawing skills. In this class, students will explore self-expression through 2D experiences which include, but are not limited to, pencil, pen, ink, oil pastels, chalk, charcoal, and multi-media art. This class is designed to encourage students to think critically and problem solve as an artist.</p> <p>Prerequisite: None</p>		
7860	Painting 8	1 Hexter
<p>Painting 8 is an elective course designed to further expose students to an exploration of a variety of painting skills and techniques. In this class, students will explore self-expression through 2D experiences which include, but are not limited to, oil pastels, watercolors, temperas, acrylics, and multi-media art. This class is designed to encourage students to think critically and problem solve as an artist.</p> <p>Prerequisite: None</p>		
7870	Pottery/Sculpture 8	1 Hexter
<p>Pottery and Sculpture 8 is an elective course designed to further expose students to an exploration of 3-dimensional media and techniques. In this class, students explore self-expression through 3D experiences which include, but are not limited to, clay, plaster, wood, paper-mache, cardboard, and wire. This class is designed to encourage students to think critically and problem solve as an artist.</p> <p>Prerequisite: None</p>		
7890	Advanced Art Exploration 8	1 Hexter
<p>Advanced Art Exploration 8 is an elective course designed to further challenge students with an exploration of media, techniques, and compositional elements and principles. Included in this course are rigorous 2D and 3D experiences which will include, but are not limited to, drawing, painting, sculpture, pottery, printmaking, digital, and multi-media art. This class is designed to encourage students to form a deeper connection to the fine arts and its relevance in our global society. It is strongly suggested, but not required, that students take Art 6, Art 7, and one or more of the 8th grade Art electives in preparation for this class.</p> <p>Prerequisite: None</p>		
9601/9701 /9801	Arts for ME IB (6th, 7th, 8th at North Middle)	1 Hexter(s)
<p>Arts for ME is an adapted art course designed to expose students with cognitive and physical disabilities to an exploration of different art media and techniques, art processes, and appreciation. It may include experiences in 2D and 3D work or new and emerging media. Placement in this course is determined by the building based on student need and availability.</p>		

Elective Courses

COMMUNICATION AND INFORMATION SYSTEMS (CIS)

2663	Computer Science 6	1 Hexter
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Students will become efficient users of emerging technology to improve productivity. This course is the middle level introduction to Computer Science (CS). Students will be introduced to the 4-step problem solving process and will understand how computers are used as part of this process. Students will work collaboratively to propose an app that will solve a real-world problem.

2665	Computer Science 7	1 Hexter
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Students will apply the 4-step problem solving process to investigate, collaborate, communicate, and design a user interface for an app. Students will be introduced to abstraction by learning how computers store, represent, and encrypt data. In addition, students will have the opportunity to design and write programs to have robots complete a variety of tasks.

2667	Computer Science 8 Creative Design	1 Hexter
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Students will apply their knowledge of the design process by designing user interfaces for a variety of technology platforms and by evaluating and revising their models based on feedback from potential users. Students will present their projects and their design rationale in a classroom presentation.

2669	Computer Science 8 Game Design	1 Hexter
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Students will build on their coding experience by programming animations, interactive art, and games. Learners begin with simple programming concepts and advance to generating sprite-based games, using professional programming concepts and the design process. In the final project, students will develop a personalized, interactive game.

2671	Computer Science 8 Web Design	1 Hexter
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Students will learn how to create and share the content of their own web pages. Students will choose their content and learn how to structure and style their pages using HTML and CSS.

FAMILY AND CONSUMER SCIENCES (FCS)

5610/5710	Child Care, Food & Nutrition (6th or 7th)	1 Hexter
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Students will use problem-solving skills to identify and implement solutions for living in an ever-changing society. Problems will include kitchen safety, healthy choices, food preparation for independence, consumer skills, and babysitting.

5810	Food, Nutrition & Family Connections 8	1 Hexter
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Students will use food preparation techniques and equipment to prepare a variety of foods. Students will learn about nutrition, food preparation methods, consumer skills, and ethnic dishes.

5622/5722	Integrated Learning Lab (6th or 7th)	1 Hexter
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Students will work within problem and project-based investigations focused on current topics or projects that are relevant in today's world. This course will assist students in finding innovative solutions through analysis and collaboration on open-ended, experiential projects. Integrated topics and problems may include health, science, mathematics, and technology concepts and solutions as students solve new problems and adapt to new situations.

5822	Integrated Learning Lab 8	1 Hexter
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Students will define an issue or interest and work within problem and project-based investigations focused on what is relevant in today's world. This course will assist students in finding innovative solutions through analysis and collaboration on open-ended, experiential projects. Integrated topics and problems may include health, science, mathematics, and technology concepts and solutions as students solve new problems and adapt to new situations.

Elective Courses

SKILLED AND TECHNICAL SCIENCES (STS)

6600	Skilled and Technical Sciences 6	1 Hexter
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Students will be introduced to several areas of the skilled and technical sciences. Each area is called a Module. Module options are listed below. Paired students work for three days on a Module. Each day students complete a hands-on activity.

6th Grade Module Options:

3D Modeling	Circuitry	Hang Gliding	Simple & Powered Machines
Applied Design	CNC Design	Manufacturing	Super Clip
Automation	Drafting	Processing Plastics	Wall Construction
Balloons	Electronics	Robotics	
Carpentry	Engineering Trusses	Rocketry	

6700	Skilled and Technical Sciences 7	1 Hexter
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Students will continue to explore the skilled and technical sciences through hands-on activities. Safety, tool use, design process, and career exploration will be covered in a variety of construction, manufacturing, and engineering stations. Students will apply academics and employ innovative technical problem-solving skills.

7th Grade Module Options:

Additive Manufacturing	Electronics	Home Design	Rocket Science
Aerodynamic Design	Engineering Bridges	Home Maintenance	Rocketry & Space
Alternative Energy	Engineering Towers	Mechanical Advantage	Smart/Eco Home
Electricity	Flight Technology	Robotics	

6800	Skilled and Technical Sciences 8	1 Hexter
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Students will continue to explore the skilled and technical sciences through hands on activities. Safety, tool use, design process, and career exploration will be covered in a variety of construction, manufacturing, and engineering stations. Students will apply academics and innovative technical problem-solving skills. Stations will prepare students for high school STS courses.

8th Grade Module Options:

3D Design/Scanning	Electronics	Home Maintenance	Rocketry & Space
Additive Manufacturing	Engineering Bridges	Lasers	Smart/Eco Home
Aerodynamic Design	Engineering Towers	Mechanical Advantage	Woodworking
Alternative Energy	Engines	Metals	
CNC Machining	Flight Technology	Robotics	
Electricity	Home Design	Rocket Science	

6820	Engineering & Design 8	1 Hexter
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Students will explore concepts in engineering and design, building upon skills learned in previous STS courses. This is not like the STS courses you have had before! To be successful in this course, you should have previous experiences in STS courses in 6th, 7th or 8th grade as projects will include construction, engineering, and manufacturing processes. A solution-based design project challenge will be presented to students. This project will take the entire hexter to research, problem-solve, think critically about, and build. The project will culminate in a student presentation of their solution to the challenge. Through this process, students will begin to learn the necessary design and building skills to be successful in high school STS courses and beyond.

Elective Courses

MUSIC		
7610	Music Lab 6	1 Hexter
<p>This course provides students an open introductory music laboratory environment where they can select and explore modules that may include: music production & creation through technology, experiencing musical instruments, and responding to the music surrounding our lives. This is a course open to all students regardless of their previous musical experience or enrollment in music ensembles.</p>		
7710	Music Lab 7	1 Hexter
<p>This course provides students an open intermediate-level music laboratory environment where they can select and explore modules that may include: music production & creation through technology, experiencing musical instruments, and responding to the music surrounding our lives. This is a course open to all students regardless of their previous musical experience or enrollment in music ensembles.</p>		
7810	Music Lab 8	1 Hexter
<p>This course provides students an open advanced music laboratory environment where they can select and explore modules that may include: music production & creation through technology, experiencing musical instruments, and responding to the music surrounding our lives. This is a course open to all students regardless of their previous musical experience or enrollment in music ensembles.</p>		
<p><i>In addition to Music Lab, students may choose one or more of the following electives. Administrators and music teachers will assist with the most appropriate scheduling options for each student. The following courses are electives offered in conjunction with Guided Study.</i></p>		
7600	Band 6	1 Year
<p>Sixth grade band is a continuation of the instrumental music studies begun in fifth grade or the equivalent. In addition to improving individual playing skills, students will begin to learn group-playing techniques. Every band student will learn proper rehearsal behavior (attentiveness, respect, good posture, etc.), fundamentals of music theory, tone production, breath control, and the importance of practicing for improvement. Students are required to perform at all scheduled concerts. Prerequisite: Band 5 or consult with the Band Director.</p>		
7700	Band 7	1 Year
<p>Seventh grade band is open to students who have successfully completed the objectives of sixth grade band or the equivalent, possess a desire to play band literature, and improve their level of musical performance. Students will continue to develop basic music skills: music theory, notation, sight-reading, rehearsal procedures, and practicing for improvement. Students are required to perform at all scheduled concerts. Additional opportunities such as solo/ensemble clinics and honor bands exist for students at this level. Prerequisite: Band 6 or consult with the Band Director.</p>		
7800	Band 8	1 Year
<p>Eighth grade band is open to students who have successfully completed the objectives of seventh grade band or the equivalent, possess a desire to play advanced band literature, and improve their level of musical performance. Students will continue to develop basic music skills: music theory, notation, sight-reading, rehearsal procedures, and the importance of practicing for improvement. Students are required to perform at all scheduled concerts. Additional opportunities such as solo/ensemble clinics and honor bands exist for students at this level. Prerequisite: Band 7 or consult with the Band Director.</p>		

Elective Courses

7620	Orchestra 6	1 Year
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Students will experience playing a violin, viola, cello, or bass in an orchestra and build on previously learned skills, including increasingly advanced techniques and music theory. Students are expected to attend day and evening concerts. Additional opportunities such as solo/ensemble clinics and honor ensembles exist for students at this level.

Prerequisite: Orchestra 5 or consult with the orchestra director.

7720	Orchestra 7	1 Year
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Students will experience playing a violin, viola, cello, or bass in an intermediate-level orchestra and build on previously learned skills, including increasingly advanced techniques and music theory. Students are expected to attend day and evening concerts. Additional opportunities such as solo/ensemble clinics and honor ensembles exist for students at this level.

Prerequisite: Orchestra 6 or consult with the orchestra director.

7820	Orchestra 8	1 Year
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Students will experience playing a violin, viola, cello, or bass in an advanced-level orchestra and build on previously learned skills, including increasingly advanced techniques and music theory. Students are expected to attend day and evening concerts. Additional opportunities such as solo/ensemble clinics and honor ensembles exist for students at this level.

Prerequisite: Orchestra 7 or consult with the orchestra director.

7630	Choir 6	Trimester or Year
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Students will experience singing in a vocal ensemble with the goal of developing building blocks for independent musicianship and vocal technique. Students will work individually and as a team to gain an understanding of musical concepts and vocabulary, while preparing music for performance. Students are required to attend scheduled concerts outside of school. Participation in Choir 6 prepares students for successful participation in Choir 7 and a lifelong enjoyment of music. Additional opportunities such as show choir and musicals may exist for students at this level.

Prerequisite: None

7730	Choir 7	Trimester or Year
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Students will experience singing in a vocal ensemble with the goal of improving independent musicianship and vocal technique. Students will work individually and as a team to grow their understanding of musical concepts and vocabulary, while preparing music for performance. Students are required to attend scheduled concerts outside of school. Participation in Choir 7 prepares students for successful participation in Choir 8 and a lifelong enjoyment of music. Additional opportunities such as show choir and musicals may exist for students at this level.

Prerequisite: None

7830	Choir 8	Semester or Year
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Students will experience singing in a vocal ensemble with the goal of refining independent musicianship and vocal technique. Students will work individually and as a team to demonstrate an understanding of musical concepts and vocabulary through their performance repertoire. Students are required to attend scheduled concerts outside of school. Participation in Choir 8 prepares students for successful participation in the various high school choral ensembles and a lifelong enjoyment of music. Additional opportunities such as show choir and musicals may exist for students at this level.

Prerequisite: None

Elective Courses

READING		
2652/2752/2852	Young Adult Literature (6th, 7th, 8th)	1 Year
<p>This course is designed with the avid reader in mind! Students will read and familiarize themselves with a wide variety of genres from full novels to short stories, articles, poems, blogs, etc. Each hexter will focus on a new and engaging theme. Similar to a book club, students will share responsibility for facilitating discussion of whole class texts and within smaller literature circles. Emphasis will be placed on independent, active reading and responding to both fiction and nonfiction text. The course meets on alternate days.</p>		
WORLD LANGUAGE		
1618	Spanish A	1 Year
<p>Students will acquire the vocabulary and structures needed for listening, speaking, reading and writing at an introductory level. Students will learn about and experience cultural practices relating to the Spanish culture. Spanish A is the first year of a three-year course to be completed in 8th grade. The course meets on alternate days or alternate hexters. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. By completing Spanish A, Spanish B, and Spanish C, students will work through material similar to Spanish I at the high school.</p>		
1718	Spanish B	1 Year
<p>Students will acquire the vocabulary and structures needed for listening, speaking, reading and writing at an introductory level. Students will learn about and experience cultural practices relating to Spanish culture. Spanish A is the first year of a three-year course to be completed in 8th grade. The course meets on alternate days or alternate hexters. By completing Spanish A, Spanish B, and Spanish C, students will work through material similar to Spanish I at the high school.</p>		
1818	Spanish C	1 Year
<p>Students will further develop the vocabulary and structures needed for listening, speaking, reading and writing at an introductory level. Students will learn about and experience cultural practices relating to the Spanish culture. Spanish C is the third year of a three-year course sequence. The course meets on alternate days or alternate hexters. By completing Spanish A, Spanish B, and Spanish C, students will work through material similar to Spanish I at the high school.</p>		
1620	Spanish I-A	1 Year
<p>This sixth-grade course meets on alternate days or alternate hexters and will continue with Spanish II-A in seventh grade and Spanish II-B in eighth grade. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. In Spanish I-A, Spanish II-A, and Spanish II-B, students will work through material similar to Spanish I & II at the high school.</p>		
1722	Spanish II-A	1 Year
<p>This seventh-grade course meets on alternate days or alternate hexters and will continue with Spanish II-B in eighth grade. In Spanish II-A and Spanish II-B, students will work through material similar to Spanish I & II at the high school.</p>		
1826	Spanish II-B	1 Year
<p>This eighth-grade course meets on alternate days or alternate hexters. In Spanish II-B, students will work through material similar to Spanish II at the high school. Upon successful completion of this course, students will have the option of enrolling in Spanish III or Honors Spanish III in high school.</p>		
1814	Explore French (8th)	1 Hexter
<p>Students will experience the vocabulary, geography and cultural aspects of the French language. Students will participate in activities related to the language and customs of the French culture(s). This course will meet every day for one hexter.</p>		
1833	Explore German (8th)	1 Hexter
<p>Students will experience the vocabulary, geography and cultural aspects of the German language. Students will participate in activities related to the language and customs of the German culture(s). This course will meet every day for one hexter.</p>		

Elective Courses

ENRICHMENT ELECTIVES

Courses listed below have units that are unique to each grade level. This allows students to experience similar content at a deeper level or choose a new experience each year.

4602/4702/4802	Law and Public Service (6th, 7th, 8th)	1 Hexter
<p>Students will learn about law and public service. This six-week course explores the importance of Civic Responsibility, Legal Services, Law Enforcement Services, Correction Services, Security and Protective Services, and Emergency and Fire Management Services within our government.</p>		
2656/2756/2856	Creative Writing (6th, 7th, 8th)	1 Hexter
<p>This course is an introduction to creative writing for middle school students who enjoy writing and who want to improve their writing techniques. Students will read mentor texts and write daily. Within different units, writers will experiment with a variety of genre and will share their writing in small groups and potentially with the class.</p>		
9061/9071/9081	HAL Challenge (6th, 7th, 8th)	1 Hexter
<p>In this six-week course, HAL Math, Reading, and/or Visual-Spatial students will explore challenging topics and nurture creativity through reflective research projects. In addition, leadership activities and collaborative, hands-on advanced math and science lessons will be combined with selected readings. Experiences will include critical thinking and inquiry-based learning.</p>		
JAG7/JAG8	JAG (7th & 8th AMS, BMS, CMS, RMS)	To Be Arranged
<p>Jobs for America's Graduates (JAG Nebraska) is dedicated to empowering students with the personal and professional development skills and support to achieve success in high school, further-education, and employment. Classes include project-based learning and leadership development.</p> <p><i>Prerequisites: None</i></p>		
BE01/BE02/BE03	Leadership in Bridge to Early College 6th, 7th, 8th (CMS Bridge to Early College students)	1 Hexter
<p>Students will grow their college career preparation by exploring and applying self-awareness, self-management, social awareness, relationship skills, and responsible decision-making. Students will have the opportunity to directly apply the Millard Public Schools College and Career Readiness Skills.</p> <p><i>Prerequisites: Selected for participation in the Bridge to Early College Program starting in 6th grade</i></p>		
3621	STEM 6	1 Hexter
<p>The middle school STEM 6 elective course will engage students in an opportunity to expand upon and complement what they are learning in their science and mathematics courses. This course will offer an opportunity to integrate problem-based learning and promote systems thinking. Units in the course may include the study of Science and Engineering Practices in Ancient Civilizations.</p>		
3721	STEM 7	1 Hexter
<p>The middle school STEM 7 elective course will engage students in an opportunity to expand upon and complement what they are learning in their science and mathematics courses. This course will offer an opportunity to integrate problem-based learning and promote systems thinking. Units in the course may include Disciplinary Core Ideas for Grade 7, Science and Engineering Practices, and Cross Cutting Concepts: Matter, Energy, and Ecology.</p>		
3821	STEM 8	1 Hexter
<p>The middle school STEM 8 elective course will engage students in an opportunity to expand upon and complement what they are learning in their science and mathematics courses. This course will offer an opportunity to integrate problem-based learning and promote systems thinking. Units in the course may include disciplinary core ideas for Grade 8: Forces and Interactions, Adaptation and Innovation, Science and Engineering Practices, Research, Build, and Test Prototype, STEM Presentation Development.</p>		
06SS/07SS/08SS	Success Strategies (6th, 7th, 8th)	To Be Arranged
<p>This course will individualize support for selected students in reading, writing, and/or mathematics. Depending on student need, focus areas may include reading comprehension, reading fluency, word analysis, writing process, writing genre, mathematics conceptual understanding, computational fluency, or problem solving. The overall goal of this supplemental course is to rebuild and enhance skills and strategies needed to be successful.</p> <p>06SSR, 07SSR, 08SSR is used for Success Strategies Reading (6th, 7th, 8th), 06SSM, 07SSM, 08SSM is used for Success Strategies Mathematics (6th, 7th, 8th)</p> <p><i>Prerequisites: Administrator recommendation</i></p>		

Bridge to Early College Program Central Middle School

The Bridge to Early College Program is an Early College High School preparatory program. The program is for 6th, 7th, and 8th graders and will provide an academic foundation and leadership activities in order to better prepare them for success in Early College High School.

Who is eligible?

Students must submit an application during their 5th grade year and be accepted to participate starting in 6th grade. The Bridge to Early College program is open to all middle school students within the district regardless of their home school assignment. Students accepted to participate in the Bridge to Early College Program will attend Central Middle School.

If Central Middle School is not the student's assigned school, they will also need to apply for a within-district transfer to Central Middle School.

What is different about the Bridge to Early College Program?

The program will incorporate additional opportunities for accelerated English courses, elective courses, and an extracurricular club. The goal is to provide a strong academic foundation, exposure to additional leadership experiences, and a strong cohort experience. **While participation in the program does not guarantee acceptance to the Early College High School program, the program is designed to build the experiences and background necessary to be a competitive applicant to the Early College High School program.**

Courses:

- Honors English 6, Honors English 7, and Honors English 8
- Advanced Mathematics (placement determined by testing, classroom performance, and teacher recommendation)
- Spanish A, Spanish B, and Spanish C
- Leadership in Bridge to Early College elective

Students in the program will take Honors English, advanced mathematics courses and Spanish for all three of their middle school years. Each year the students will be in a leadership elective course designed specifically for this program. The final unique component of the program is an extracurricular club designed for the cohort of students.

For more information, contact the office at Central Middle School at 402-715-8225.

The International Baccalaureate® - Middle Years Programme (IB-MYP) Millard North Middle School

The International Baccalaureate® program aims to develop inquiring, knowledgeable, and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. This program encourages students across the world to become active, compassionate, and lifelong learners who understand that other people, with their differences, can also be right.

Millard North Middle School is the only all IB-MYP middle school in the state of Nebraska serving grades 6-8. The IB program continues at Millard North High School in Grades 9-10.

All students at Millard North Middle School participate in the IB-Middle Years Program.

Why choose IB-MYP?

- International Baccalaureate® offers a **continuum of education**, consisting of four programs for students aged 3 to 19.
- The International Baccalaureate® Organization (IBO) is proud of their reputation for **high-quality** education sustained for over 50 years.
- **International-mindedness** is encouraged in IB students. To do this, it is believed that students must first develop an understanding of their own cultural and national identity.
- IB encourages a **positive attitude to learning** by prompting students to ask challenging questions, to critically reflect, to develop research skills, to learn how to learn, and to participate in community service.
- The IBO ensures that their programs are **accessible** to students in a wide variety of schools—national, international, public, and private—through unique relationships with IB World Schools worldwide.

What is different about IB-MYP at Millard North Middle School?

- The IB-MYP program at Millard North Middle School is a program for students at all ability levels.
- IB programs are recognized around the world and ensure an increased adaptability and mobility for IB students.
- The curriculum and pedagogy of IB programs focus on international perspectives of learning and teaching, while insisting that students fully explore their home culture and language.
- IB World Schools, such as Millard North Middle School, must undergo an exhaustive authorization process in order to offer one or more of the programs, which includes a study of the school's resources and commitment to the IB mission and philosophy.
- IB teachers participate in a wide variety of professional development opportunities to constantly update their knowledge and share their expertise with colleagues around the world.
- The core components of IB programs encourage students to participate in creative and service-oriented activities, while at the same time emphasizing the importance of reflection on a personal and academic level.
- With this in mind, all students at Millard North Middle School participate in service learning opportunities.
- Many students graduating from the Diploma Programme (which can be accessed at Millard North High School) find that it enhances their opportunities at colleges and universities. The IBO works closely with universities around the world to gain recognition for IB programs.

(See previous sections for detailed course descriptions)

For more information, contact the office at North Middle School at 402-715-1280.

International Baccalaureate® - Middle Years Program (IB-MYP)

Millard North Middle School

Grade 6

Required Courses

English:

0660 English Language Arts 6 IB

Math:

MA616 Math 6 IB -OR-

MA636 Prealgebra 6 IB

3601 Science 6 IB

4601 Ancient Civilizations 6 IB

8601 Physical Education 6 IB

8611 Health 6 IB

Electives

7651 Art 6 IB

9601 Arts for ME 6 IB

7601 Band 6 IB

5611 Child Care, Food & Nutrition 6 IB

7631 Choir 6 IB

2664 Computer Science 6 IB

2657 Creative Writing 6 IB

9062 HAL Challenge 6 IB

4603 Law and Public Service 6 IB

7611 Music Lab 6 IB

7621 Orchestra 6 IB

6601 Skilled and Technical Sciences 6 IB

1619 Spanish A IB

1621 Spanish I-A IB

3622 STEM 6 IB

Grade 7

Required Courses

English:

0760 English Language Arts 7 IB

Math:

MA717 Math 7 IB

MA817 Math 8 IB -OR-

MA837 Algebra 1 IB AND

MA857 Geometry 1 IB

3701 Science 7 IB

4701 World Studies 7 IB

5828 Academic Seminar 7 IB

8701 Physical Education 7 IB

8711 Health 7 IB

Electives

7751 Art 7 IB

9701 Arts for ME 7 IB

7701 Band 7 IB

7731 Choir 7 IB

2757 Creative Writing 7 IB

2666 Computer Science 7 IB

9072 HAL Challenge 7 IB

5723 Integrated Learning Lab 7 IB

4703 Law and Public Service 7 IB

7711 Music Lab 7 IB

7721 Orchestra 7 IB

6701 Skilled and Technical Sciences 7 IB

1719 Spanish B IB

1723 Spanish II-A IB

3722 STEM 7 IB

Grade 8

Required Courses

English:

0860 English Language Arts 8 IB -OR-

0899 Honors English 8

Math:

MA818 Math 8 IB -OR-

MA838 Algebra 1 IB AND

MA858 Geometry 1 IB -OR-

MA858 Geometry 1 IB AND

MA898 Honors Geometry 2 IB

3801 Science 8 IB

4801 United States History 8 IB

8801 Physical Education 8 IB

5881 Health 8 IB

Electives

7801 Band 8 IB

7831 Choir 8 IB

2857 Creative Writing 8 IB

2668 Computer Science 8 Creative Design IB

2670 Computer Science 8 Game Design IB

2672 Computer Science 8 Web Design IB

7851 Drawing 8 IB

6821 Engineering & Design 8 IB

1815 Explore French IB

1834 Explore German IB

5812 Food, Nutrition & Family

Connections 8 IB

9082 HAL Challenge 8 IB

5823 Integrated Learning Lab 8-1 IB

5825 Integrated Learning Lab 8-2 IB

4803 Law and Public Service 8 IB

7811 Music Lab 8 IB

7821 Orchestra 8 IB

7861 Painting 8 IB

7871 Pottery/Sculpture 8 IB

7891 Advanced Art Exploration 8 IB

9801 Arts for ME 8 IB

6801 Skilled and Technical Sciences I -8 IB

6811 Skilled and Technical Sciences II -8 IB

16198 Spanish A IB

1819 Spanish C IB

1827 Spanish II-B IB

3822 STEM 8 IB

(Course descriptions are listed in the previous sections.)
Electives are offered based on student request and building staffing.
Not all electives may be offered in every building.

Montessori Middle School Program **Accredited by the American Montessori Society®** **Russell Middle School**

The Millard Public Schools Montessori Program nurtures and inspires a community of collaborative, self-directed, and high-achieving learners through a true Montessori prepared environment.

Montessori Provides Students:

- Academic growth through enhanced creativity and critical thinking
- Engaging curriculum that is interdisciplinary and organized by themes
- Opportunities to understand themselves and how they learn
- The development of respect and personal responsibility towards others and the environment
- The ability to practice organizational, planning and logistical skills through a classroom business
- Opportunities to work individually and in groups
- Teachers who are Montessori trained and certified through a two-year training process

Sixth Grade Montessori: Completing the 9-12 year old Montessori Cycle

Sixth grade Montessori in Millard is a year of transition. While most Montessori classrooms have multiple grades, the sixth grade class is one grade. Students meet state and district standards by completing the curriculum for the 9-12 year old and preparing for the 7th and 8th grade environment. A student of this age group is just beginning to see him or herself fitting into the larger picture. They are very curious about how the physical and social world around them works. Students are becoming more autonomous and are ready to take on more responsibility for their own learning. They are transitioning to abstract thinking and becoming less dependent upon materials for simple concepts. The environment of the classroom is one that places an emphasis on individual responsibility, problem solving, exploration, creativity, and a strong sense of community.

Courses include: *

- 0680 Language Arts 6 Montessori
- 4610 Cultural Studies 6 Montessori
- 4611 Personal World/Community 6 Montessori
- MA60M Math 6 Montessori
- MA62M Prealgebra 6 Montessori

Seventh and Eighth Grade Montessori

Seventh and eighth grade Montessori students are beginning a new plane of development, the period from 12-15 years of age, or early adolescence. Based on brain development and the developing social, personal and psychological needs of adolescents, the Montessori curriculum uses three modes to facilitate learning: large group work with the entire seventh and eighth grade, small group work, and individual work. Learning happens in all three modes.

In this multi-age classroom, the curriculum is integrated for the different subject areas based on themes or cycles. There are twelve different themes over two years that address all district and state standards. Each cycle is based on guiding questions from three major focal points that are important to the developing adolescent: Personal World (Psychology, Health, Cosmic and Peace Education); Natural World (Science); and Social World (Social Studies). Mathematics and Language Arts complement these themes. The student is responsible for both individual and group work projects within these areas. Student success is based on 85% mastery or higher.

Several times each year, the students spend time away from school on "immersion." These immersion times extend the curriculum into a larger arena, both for the students' emotional development and learning about the world. This is sometimes referenced as "school away from school."

Courses include: *

- 0881 Language Arts 7-8 Montessori
- MA70M Math 7 Montessori
- MA80M Math 8 Montessori
- MA82M Algebra 1 Montessori
- MA84M Geometry 1 Montessori
- MA88M Honors Geometry 2 Montessori
- 3705 Science 7-8 Montessori
- 4712/4812 Social Studies 7-8 Montessori
- 4711 Personal World/Community 7-8 Montessori

*See previous course description sections for PE, Music, and World Language.

Montessori Course Descriptions

Russell Middle School

SIXTH GRADE MONTESSORI COURSES		
0680	Language Arts 6 Montessori	1 Year
<p>Students will learn to use comprehension strategies and higher-level thinking skills while reading a variety of literary genres. Students will develop grammar skills that include in-depth study of the parts of speech, verb conjugation, and sentence diagramming. Students will enhance their fluency through word study and vocabulary skills. Students also refine the writing process through Six Trait Writing, editing skills, and the practice of persuasive, narrative, descriptive, and expository writing. Students also develop research skills and practice public speaking.</p>		
4610	Cultural Studies 6 Montessori	1 Year
<p>Cultural studies are science and social studies topics, which include physical science, biology, chemistry, Earth science, history, geography, and map skills. Students will study ancient civilizations from Pre-history through the Middle Ages, incorporating geography, history, culture, government, and economics. In science, students will study concepts that include chemistry, classification of living things, biomes, human anatomy, genetics, nutrition, and astronomy.</p>		
4611	Personal World/Community 6 Montessori	1 Year
<p>Students in 6th grade are becoming more and more responsible for their own learning while learning to problem solve and explore as part of a larger learning community. Within the daily community meeting and subject area lessons, students will practice working in groups, conflict resolution, service learning, goal setting, test taking skills, note taking skills, and listening skills.</p>		
MA60M	Math 6 Montessori	1 Year
<p>Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. In Grade 6, instruction emphasizes the development of the mathematical processes as the vehicle for connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems, completing computational understanding with the division of fractions and moving towards efficiency by using the algorithm for each operation, extending understanding of the number line to include the entire system of rational numbers, which now includes negative numbers, writing and using expressions and equations, and representing data in multiple ways in order to analyze and interpret the results.</p>		
MA62M	Prealgebra 6 Montessori	1 Year
<p>Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. In Prealgebra 6, instruction emphasizes the development of the mathematical processes as the vehicle for writing and using expressions and equations, representing data in multiple ways in order to analyze and interpret the results, developing an understanding of proportional relationships, extending understanding of the number line and understanding operations with rational numbers, solving problems involving perimeter and area of two-dimensional figures as well as surface area and volume of three-dimensional figures, using linear equations to represent, analyze, and solve a variety of problems, including rate of change and y-intercept for a given situation, developing an understanding of irrational numbers and integer exponents, analyzing two-dimensional figures and solving problems using understanding of distance, angle, similarity, and congruence; understanding and applying the Pythagorean Theorem, and investigating probability concepts.</p>		

**Montessori students will also select elective courses from the previous section.
These courses are taken with special area teachers.**

Montessori Course Descriptions

Russell Middle School

SEVENTH & EIGHTH GRADE MONTESSORI COURSES		
4711	Personal World/Community 7-8 Montessori	2 Years
<p>Seventh and Eighth grade students gain an understanding of who they are as they explore concepts in the areas of health, personal development, philosophy, study skills, and ethics. Students have large group lessons and maintain a daily journal about different subjects. They have the opportunity to reflect on friendships, how they learn best, and what particular issues mean to them. Students also explore the qualities necessary for leadership, integrity, empathy, and setting goals for personal and academic success. Students also develop and manage a classroom business.</p>		
0881	Language Arts 7-8 Montessori	2 Years
<p>This course is composed of reading, writing, and computer skills, which are all connected to the themes that the students are studying. Students will explore different genres and literary formats as they best relate to the different themes. Socratic discussions are used to assist students as they develop critical thinking skills, and learn to evaluate and analyze information with others. The Six Traits of Writing are practiced to improve writing skills. Students also study and learn vocabulary, as well as Greek and Latin roots, associated with the topics being studied. Communication skills are developed using technology, poetry, research and presentations, and creative expression.</p>		
MA70M	Math 7 Montessori	1 Year
<p>Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. During Grade 7, instruction emphasizes the development of the mathematical processes as the vehicle for developing an understanding of proportional relationships, understanding operations with rational numbers, using expressions and linear equations to represent and solve problems, solving problems involving perimeter and area of two-dimensional figures as well as surface area and volume of three-dimensional figures, and investigating probability concepts.</p>		
MA80M	Math 8 Montessori	1 Year
<p>Mathematics focuses on building a deep understanding of concepts within four comprehensive strands: Number, Algebra, Geometry, and Data. Through high expectations and strong supports, students learn to communicate, represent, and make connections with all math concepts through critical thinking, authentic problem solving, mathematical reasoning, and perseverance. In Grade 8, instruction emphasizes the development of the mathematical processes as the vehicle for using linear equations to represent, analyze, and solve a variety of problems, developing an understanding of irrational numbers and integer exponents, analyzing two-dimensional figures and solving problems using understanding of distance, angle, similarity, and congruence, understanding and applying the Pythagorean Theorem, and determining and describing rate of change and y-intercept for given situations.</p>		
MA82M	Algebra 1 Montessori	1 Semester
<p>Students will explore linear, quadratic, and exponential equations in depth. They will also study probability concepts as an extension of Integrated Math II. Algebra I is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and understand mathematics in a more abstract form.</p>		
MA84M	Geometry 1 Montessori	1 Semester
<p>Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Writing proofs to prove properties of geometric figures is emphasized.</p>		
MA88M	Honors Geometry 2	1 Semester
<p>Students will study the properties and applications of geometric figures in two and three dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as transformations, right triangle trigonometry, properties of circles, and perimeter, area, and volume applications. Writing proofs to prove properties of geometric figures is emphasized. This course will go into greater depth than Geometry 2 and is recommended for students who plan to pursue Advanced Placement® or International Baccalaureate® mathematics classes in high school.</p>		

Montessori Course Descriptions

Russell Middle School

3705	Science 7-8 Montessori	2 Years
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Using the scientific method, students study biology, chemistry, and physics. One year of science focuses on a review of chemistry and biology (cells and genetics) along with Earth science. Students study earth structure, earth's surface, weather, and climate. The year culminates in a visit to Estes Park to study mountain formation. The second year of science focuses on technology, ecology, and physics (light, sounds, forces, and motion). Students build a hydro-rocket and the year culminates with a visit to the Museum of Science and Industry in Chicago.

4712/4812	Social Studies 7-8 Montessori	2 Years
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One year students research the discovery and exploration of North America. The implication of the discovery of the new land, immigration, economic systems, and social solutions are also investigated during this year. Throughout the second year, students learn about government. The students study the writing of the U. S. Constitution and write their own classroom constitution. Students also do an in-depth study of the Bill of Rights and the social and historical implications. They learn about different types of governments and how they form.

**Montessori students will also select course electives from the previous section.
These courses are taken with special area teachers.**

English Learner Course Descriptions

English Language Development Program Andersen Middle School or Central Middle School

The purpose of the English Language Development Program is to provide English language instruction to limited and non-English speaking students who enter our community and require these services. The goal of the program is to help students demonstrate proficiency in English so that they can be full participants in the general education program.

Sixth, seventh, and eighth grade students are grouped by language proficiency level within the middle level English Learner Program (EL).

Beginning English Learners

Students at these levels have emerging skills with the English language and have limited English proficiency. They rely on gestures and non-verbal cues to communicate. The education program for these students may include:

- Homeroom with an EL or content area teacher
- General education courses which may include Mathematics, Science, Social Studies, and special area classes as available
- Two or three periods of the Beginning English Learner Courses:
 - EL Beginning Literacy
 - EL Beginning Writing
 - EL Beginning Communication

Progressing English Learners

Students at this level are progressing and have a strong command of conversational English. They are beginning to develop proficiency in language used for academics. The education program for these students may include:

- Homeroom with an EL or content area teacher
- General education courses including English, Mathematics, Science, Social Studies, and special area classes as available
- One or two periods of the Progressing English courses:
 - EL Progressing Literacy
 - EL Progressing Communication

Advanced English Learners

Students continue to progress at these levels and handle most communicative situations with confidence. They are developing proficiency in academic language and are better able to understand academic texts. The education program for these students may include:

- General education courses including English, Mathematics, Science, Social Studies, and special area classes as available
- One period of the Advanced English Learner course:
 - EL Advanced Literacy & Communication

English Learner Course Descriptions

Beginning English Learner Courses

9001 EL Beginning Literacy

In this course, EL students will develop their literacy skills through a variety of reading activities. Students will learn strategies to support their development as active and critical readers and will explore a variety of text types, including both fiction and informational texts. Using context clues, visual aids, and the understanding of how words are formed in their first language, students will learn to determine the meaning of words and phrases.

9002 EL Beginning Writing

Students in this course will begin to recognize words and phrases in written text. They will participate in written exchanges of information on familiar topics. Students will learn to recognize and use frequently occurring nouns, verbs, conjunctions, and prepositions in their writing. With support, the Beginning EL student will write about literary and informational texts and be able to express an opinion or idea.

9003 EL Beginning Communication

In this course, EL students learn English vocabulary, grammar, and sentence structure to assist them in the development of academic, cultural, and life skills. Students will learn to identify key words and phrases in oral communication and participate in short conversations. They will practice communicating information about familiar texts, topics, and experiences. With support, the Beginning EL student will use accurate English to communicate in grade-appropriate simple sentences.

Progressing English Learner Courses

9004 EL Progressing Literacy

This course is designed for intermediate English learning students to continue progressing in the language domains of reading and writing. The course focus is to continue the development of English vocabulary and the understanding of grammatical structures. Students will develop further comprehension skills through fluency, summarizing, and sequencing events in a reading passage. They will also learn strategies such as recognizing text structures, using text features to locate information in textbooks, and using context clues to assist in comprehension. Students will continue to expand their writing capabilities through the practice of writing 5 paragraph essays and other larger writing tasks.

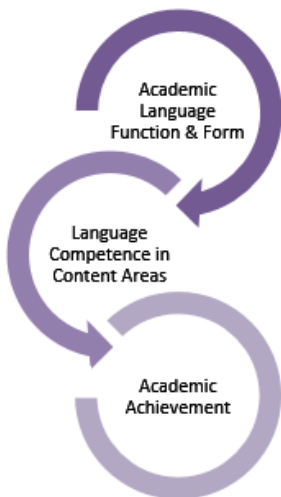
9005 EL Progressing Communication

This course is designed for intermediate English learning students to continue progressing in the language domains of speaking and listening. Students will develop further communication skills by participating in classroom discussions, conversations, and oral presentations with fewer supports. Students in this course will strengthen their ability to express their own ideas using more content-specific and academic language.

Advanced English Learner Courses

9006 EL Advanced Literacy & Communication

Students in this course are nearing grade-level English language skills. Students will continue to interact and engage with grade-level texts to continue to advance their English grammar and vocabulary skills. Students will produce and present written and oral essays that demonstrate their ability to use the English language through speaking and writing.



Language acquisition takes place across the content areas and therefore collaboration among educators is critical to enhancing and excelling the learning experiences of English learners. Content area teachers and EL teachers work together to understand and leverage the language and literacy practices used across content areas.

Millard High School Opportunities

Millard Public Schools offers a variety of unique opportunities for students. The chart below is provided as a reference. Further details can be found in the High School Curriculum Handbook on the Millard webpage at <https://www.mpsomaha.org/departments/curriculum/secondary-education>.

Program	Location	Target Grades	How do I get involved?
Millard Special Programs			
AFJROTC (Air Force Junior Reserve Officers' Training Corps)	Millard South	9 th -12 th Grade	Attend or transfer to Millard South. Register for AFJROTC classes.
AP Capstone™ Program	Millard West	11 th -12 th Grade	Attend or transfer to Millard West.
Early College	Millard South	9 th -12 th Grade	Attend or transfer to Millard South. Submit an application in January of 8 th grade. Application on Millard Early College webpage.
International Baccalaureate® Diploma Programme	Millard North	9 th -10 th Grade: MYP Middle Years Programme 11 th -12 th Grade: DP Diploma Programme	Attend or transfer to Millard North.
Millard Academies Students attend their home school for half the day and travel to the academy location for the other half of the day. Transportation is provided.			
Business and Entrepreneurship Academy	Millard South	11 th and 12 th Grade	Submit an application in November of 10 th grade. Participate in an interview conducted in December. Application on Millard Career Academy webpage.
Business and Logistics Management	Millard North		
Education Academy	Millard West & Millard North		
Health Sciences Academy	Keith Lutz Horizon High School		
STEM Academy	Millard West		

Millard High School Opportunities

Program	Location	Target Grades	How do I get involved?
Additional Opportunities			
UNMC High School Alliance (University of Nebraska Medical Center)	Students attend their home school for half the day and travel to UNMC for the other half of the day.	11 th and 12 th Grade	See Counselor for Information/Application Packet. Submit an application to the Counseling Office by spring deadline. Limited number of spots.
Zoo Academy	Students attend their home school for half the day and travel to the Zoo for the other half of the day.	11 th and 12 th Grade	See Counselor for Information/Application Packet. Submit an application to the Counseling Office by December deadline. Limited number of spots. Start in 11 th grade, two-year program.
Metropolitan Community College Academies			
Students attend their home school for half the day and travel to MCC for the other half of the day.			
3-D Animation & Games	Elkhorn Valley	11 th or 12 th Grade	See Counselor for Information/Application Packet. Submit an application to Counseling Office by March deadline.
Administrative Technology	Sarpy Center		
Advanced Manufacturing Year 1 & Year 2	Fort Omaha		
Architecture Technology	Fort Omaha		
Automotive Collision	Applied Technology Center		
Automotive Technology	South Omaha		
Business	Sarpy Center		
Certified Nursing Assistant	South Omaha		
Civil Engineering Technology	Fort Omaha		
Construction Technology	Fort Omaha		
Criminal Justice	Sarpy Center		
Culinary Arts Foundation	Fort Omaha		

Millard High School Opportunities

Program	Location	Target Grades	How do I get involved?
Metropolitan Community College Academies (continued)			
Diesel Technology	Applied Technology Center	11 th or 12 th Grade	See Counselor for Information/Application Packet. Submit an application to Counseling Office by March deadline.
Digital Cinema/Filmmaking	Elkhorn Valley		
Early Childhood Education	Learning Center		
Electrical Technology	Fort Omaha		
Emergency Medical Technician	South Omaha		
Fire Science Technology	Applied Technology Center		
Heating, Air Conditioning, and Refrigeration (HVAC)	Fort Omaha		
Horticulture Land Systems and Management	Fort Omaha		
Human Services	Sarpy Center		
IT Technician	Fort Omaha		
Photography	Fort Omaha		
Powersports & Outdoor Power Equipment Tech	South Omaha		
Pre-Apprenticeship Plumbing	Fort Omaha		
Prototype Design	Fort Omaha		
Theatre Technology	Omaha Community Playhouse		
Web & Mobile App Programming	Fort Omaha		
Welding & Fabrication Technology	Fort Omaha		



Andersen Middle School
15404 Adams Street - Omaha, NE 68137
(402) 715-8440
<http://ams.mpsomaha.org>
Eric Grandgenett, Principal



Beadle Middle School
18201 Jefferson St - Omaha, NE 68135
(402) 715-6100
<http://bms.mpsomaha.org>
John Southworth, Principal



Central Middle School
12801 L Street - Omaha, NE 68137
(402) 715-8225
<http://cms.mpsomaha.org>
Michelle Klug, Ed.D., Principal



Kiewit Middle School
15650 Howard Street- Omaha, NE 68118
(402) 715-1470
<http://kms.mpsomaha.org>
Marshall Smith, Principal



North Middle School
2828 South 139th Street - Omaha, NE 68144
(402) 715-1280
<http://nms.mpsomaha.org>
Scott Ingwerson, Ed.D., Principal



Russell Middle School
5304 South 172nd Street - Omaha, NE 68135
(402) 715-8500
<http://rms.mpsomaha.org>
Beth Fink, Ed.D., Principal



#Proud2bMPS

2024*2025

HIGH SCHOOL

Curriculum Handbook and Registration Guide



Millard Public Schools

Millard Board of Education

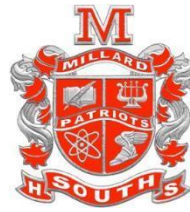
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Mike Kennedy
Amanda McGill Johnson
Mike Pate
Linda Poole
Lisa Schoenberger

JOHN SCHWARTZ, Ed.D., SUPERINTENDENT

NOTICE OF NON-DISCRIMINATION

The Millard School District does not discriminate on the basis of race, color, religion, national origin, marital status, disability, age, sex, sexual orientation, gender, gender identity, or on any other basis prohibited by federal, state, or local laws in admission to or access to or treatment of employment, in its programs and activities. The following person has been designated to handle inquiries regarding the discrimination and harassment policies: Associate Superintendent of Human Resources, 5606 South 147 Street, Omaha, NE 68137 (402) 715-8200. The Associate Superintendent of Human Resources may delegate this responsibility as needed. Complaints by school personnel or job applicants regarding unlawful discrimination or unlawful harassment shall follow the procedures of District Rule 4001.2. School personnel or job applicant complaints regarding sexual harassment shall follow the procedures of District Rule 4001.3. Complaints by students or parents regarding unlawful discrimination or unlawful harassment shall follow the procedures of District Rule 5010.2. Student or parent complaints regarding sexual harassment shall follow the procedures of District Rule 5010.3.

It is the intent of District and High School administrators to offer all courses and programs as noted within the 2024-2025 High School Curriculum Handbook and Registration Guide. However, courses and/or program offerings may be canceled due to budget constraints and/or low enrollment numbers.



Dear Students:

The high school years hold some of the most exciting times in your life. We encourage you to fully engage in student life, select and participate in a variety of challenging courses, participate in activities, and make new friends while in high school. Millard Public Schools' goal is to guarantee each student exemplifies the knowledge, skills, and character necessary for personal excellence and responsible citizenship through an innovative, world-class educational community that challenges and empowers all students. The Millard Essential Learner Outcomes not only include the Academic Skills and Applications you will master prior to graduation but also the College and Career Readiness Skills needed for your post-secondary endeavors.

Millard Public Schools offers diverse opportunities in our high schools, consisting of a variety and depth of courses offered including numerous Advanced Placement[®] courses, Air Force Junior Reserve Officer Training (AFJROTC), the AP Capstone[™] Program, Early College, the International Baccalaureate[®] Programme, and several MPS Career Academies. Some programs may require an application or transfer to the host high school. Detailed information about all of these opportunities is included on the following pages.

We encourage you to consider your course selections carefully. As you focus on college and career readiness, challenge yourself to take full advantage of the academic opportunities offered in Millard. Universities, colleges, and trade schools look for students who take the most rigorous courses available to them while in high school. Students should enroll in the most challenging English, mathematics, science, social studies, and world language courses in addition to your elective opportunities in order to best be prepared for success. In addition, refer to your results from Pre-ACT[™] and/or Advanced Placement[®] exams to help you select classes that will prepare you for college and career. Take advantage of the opportunities to learn and mature mentally, physically, and socially, so you can be best prepared for your future career.

The Personal Learning Plan (PLP) helps you focus on personal, academic and post-secondary plans. Use your PLP while working with your parents, advisor and counselor to make academic choices. Your future plans are contingent on the decisions you make today. Carefully consider graduation requirements, and your post-secondary goals as you select courses.

We wish you success in the 2024-2025 school year.

A handwritten signature in black ink that reads "Emili Brosnan".

Emili Brosnan, Ed.D.
Principal
Keith Lutz Horizon High School

A handwritten signature in black ink that reads "A Bearinger".

Aaron Bearinger, Ed.D.
Principal
Millard North High School

A handwritten signature in black ink that reads "Heidi Weaver".

Heidi Weaver
Principal
Millard South High School

A handwritten signature in black ink that reads "Greg Tiemann".

Greg Tiemann, Ed.D.
Principal
Millard West High School

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Introduction and Graduation Requirements

INTRODUCTION

The *Curriculum Handbook and Registration Guide* provides information about the academic programs offered by Millard Public Schools for the 2024-2025 year. The handbook contains information on graduation requirements and course offerings, and provides additional resources to serve as a registration guide.

High school course selection is an important decision that helps students prepare for graduation and post-secondary endeavors. In addition to meeting graduation requirements, students should select the most challenging courses that allow them to explore or strengthen areas of interest and prepare for post-secondary education and careers.

The handbook is divided into four sections:

- Section I provides information on the Board of Education approved graduation requirements.
- Section II describes all courses, is organized by academic discipline, and contains flowcharts and tables explaining course sequences.
- Section III describes specialized programs including Academies in Millard high schools, Advanced Placement® courses, AFJROTC, AP Capstone™, International Baccalaureate®, Early College, and Academies at Metropolitan Community College.
- Section IV provides information on post-secondary planning, Personal Learning Plans, ACT® scores and Core Curriculum, Advanced Placement® courses, Diploma Paths, Dual Enrollment opportunities, and NCAA, NAIA, and NJCAA athletic eligibility. A master quick-reference table and credit count form are provided within this section.

To earn a diploma from Millard Public Schools, each student must meet four criteria:

- Complete course and credit requirements
- Meet the Essential Learner Outcomes of College and Career Readiness in Reading, Mathematics, and Writing
- Complete a Personal Learning Plan (PLP)
- Submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA)

Students should use their Personal Learning Plans (PLP) as a tool to help identify and document their accomplishments, strengths, and interests. Students record their goals, create plans for accomplishing these goals, and document progress. With careful planning, students can prepare for post-secondary education and careers while also completing graduation requirements.

Specialized programs listed in the chart below are open to all Millard students. Information about these programs is located in the specialized programs section.

Millard Special Programs	Location	How to get involved...
AFJROTC	Millard South	Attend or transfer to Millard South.
AP Capstone™	Millard West	Attend or transfer to Millard West.
Early College	Millard South	Attend or transfer to Millard South. Submit application in January of 8 th grade.
International Baccalaureate® Programme	Millard North	Attend or transfer to Millard North.
Millard Academies		
Business & Entrepreneurship Academy	Millard South	Submit an application in November of 10 th grade. Participate in an interview conducted in December. Application is found on the Career Academy Website.
Business & Logistics Management Academy	Millard North	
Education Academy	Millard North & Millard West	
Health Sciences Academy	Keith Lutz Horizon	
STEM Academy	Millard West	
Additional Opportunities		
Academies at Metropolitan Community College (MCC)	MCC Campus (varies)	Attend home high school for half the day and travel to MCC for the other half day.
University of Nebraska Medical Center (UNMC) High School Alliance	UNMC	Attend home high school for half the day and travel to UNMC for the other half day.
Zoo Academy	Henry Doorly Zoo	Attend home high school for half the day and travel to the Zoo for the other half day.

GRADUATION REQUIREMENTS CLASSES OF 2025 and 2026

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
English Language Arts	40	English 9	10	4 years All courses must include intensive reading and writing
		English 10	10	
		English 11	10	
		Oral Communications	5	
		Choice of an English Course	5	
<i>Oral Communications:</i>		<i>English Selected Courses:</i>		
<ul style="list-style-type: none"> ● Speech ● Debate ● Competitive Debate ● Forensics: Competitive Speech ● Combination of IB Language A1, IB Language B, and Theory of Knowledge I & II ● Professional Speaking (Academy) 		<ul style="list-style-type: none"> ● AP English Language and Composition ● AP English Literature and Composition ● College Writing ● Contemporary Literature ● Creative Writing ● Global Perspectives through Literature ● IB English HL II ● Literacy for Life ● Literature and Film ● Media Analysis ● Popular Genres in Literature 		
Social Studies	30	World Geography – 9 th	5	3 years 1 course American History and/or World History 1 course History, American Government and/or Geography 1 course Social Science
		World History – 10 th	10	
		United States History – 11 th or 12 th	10	
		United States Government & Economics – 11 th or 12 th	5	
Mathematics	30	Algebra I or Algebra I: Foundations 1* *or appropriate course from the math sequence	10	4 years* Algebra I, Geometry, Algebra II and 1 year that builds on Algebra II or Algebra 1, Geometry 1, Algebra 2, Geometry 2, Algebra 3, Algebra 4: Probability & Statistics, and 10 credits beyond Algebra 3 and Algebra 4: Probability & Statistics *UNL requires 4 years of mathematics *UNO and UNK require 3 years of mathematics
		A mathematics course numbered 220 or higher or Algebra 2 & Geometry 2* or Foundations Algebra 2 & Foundations Geometry 2 *or appropriate course from the math sequence	10	
		Algebra 3 & Algebra 4: Probability & Statistics* or Foundations Algebra 3 & Foundations Algebra 4: Probability & Statistics *or appropriate course from the math sequence	10	
		Note: Computer Science courses may not be applied toward mathematics credit.		
Science	30	Biology – 9 th	10	3 years of natural science At least 2 courses selected from Biology, Chemistry, Physics, and Earth Sciences 1 course must include laboratory instruction
		Chemistry or Physical Science: Chemistry – 10 th	10 or 5	
		Physics or Physical Science: Physics – 11 th	10 or 5	
		Choice of Science Elective (dependent upon choice of 5 or 10 credit Chemistry and Physics courses)	0 - 10	

Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.

GRADUATION REQUIREMENTS CLASSES OF 2025 and 2026

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
Physical Education	15	See course descriptions for grade appropriate selections	15	
Health Education	5	<ul style="list-style-type: none"> • ELD Health • Healthy Living 	5	
Financial Literacy	5	<ul style="list-style-type: none"> • ELD Financial Literacy • Personal Finance • Financial Literacy (Business and Entrepreneurship Academy) • Life Skills & Career Opportunities (AFJROTC) 	5	
Fine and Performing Arts	5	Choice of Fine and Performing Arts selected courses: <ul style="list-style-type: none"> • Any art course • Any music course • Theatre and Performance I (Drama I) • Theatre Appreciation 	5	
Human Resources	5	Choice of a Human Resources course: <ul style="list-style-type: none"> • AP Psychology (10 credits) • Adult Life and Parenting • Child Development • ELD Adult Living • Human Diversity • IB Psychology SL (NHS) • IB Theory of Knowledge I (NHS) • International Relations • Intro to Behavioral Sciences • Law Studies (Completed during 2022-2023 or after) • Psychology • Sociology • World Religions (Completed during 2022-2023 or after) 	5	
Electives	65	A total of 65 additional credits selected from any course areas	65	2 years of the same World Language

** The University of Nebraska has three undergraduate campuses: University of Nebraska-Lincoln, University of Nebraska-Omaha, and University of Nebraska-Kearney.

** In addition –

- GPA of 3.0 or above OR
- 20+ on the ACT, writing not required OR
- 1040 or higher on SAT, Critical Reading & Math Sections
- ACT & SAT are not admissions requirements

Credit Summary					
Language Arts: English	40	Physical Education	15	Human Resources	5
Social Studies	30	Health Education	5	Electives	65
Mathematics	30	Financial Literacy	5		
Science	30	Fine and Performing Arts	5	Total	230

Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.

GRADUATION REQUIREMENTS CLASSES OF 2027 & Beyond

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
English Language Arts	40	English 9	10	4 years All courses must include intensive reading and writing
		English 10	10	
		English 11	10	
		Oral Communications	5	
		Choice of an English Course	5	
<i>Oral Communications:</i>		<i>English Selected Courses:</i>		
<ul style="list-style-type: none"> • Speech • Debate • Competitive Debate • Forensics: Competitive Speech • Combination of IB Language A1, IB Language B, and Theory of Knowledge I & II • Professional Speaking (Education Academy) 	<ul style="list-style-type: none"> • AP English Language and Composition • AP English Literature and Composition • College Writing • Contemporary Literature • Creative Writing • Global Perspectives through Literature • IB English HL II • Literacy for Life • Literature and Film • Media Analysis • Popular Genres in Literature 			
Social Studies	30	World Geography – 9 th	5	3 years 1 course American History and/or World History 1 course History, American Government and/or Geography 1 course Social Science
		World History – 10 th	10	
		United States History – 11 th or 12 th	10	
		United States Government & Economics – 11 th or 12 th	5	
Mathematics	30	Algebra I or Algebra 1: Foundations 1 or Algebra 1* & Geometry 1* or Foundations Algebra 1 & Foundations Geometry 1 *or appropriate course from the math sequence	10	4 years* Algebra I, Algebra 1, Geometry 1, Algebra 2, Geometry 2, Algebra 3, Algebra 4: Probability & Statistics, and 10 credits beyond Algebra 3 and Algebra 4: Probability & Statistics *UNL requires 4 years of mathematics *UNO and UNK require 3 years of mathematics
		A mathematics course numbered 220 or higher or Algebra 2 & Geometry 2* or Foundations Algebra 2 & Foundations Geometry 2 *or appropriate course from the math sequence	10	
		Algebra 3 & Algebra 4: Probability & Statistics* or Foundations Algebra 3 & Foundations Algebra 4: Probability & Statistics *or appropriate course from the math sequence	10	
		Note: Computer Science courses may not be applied toward mathematics credit.		
Science	30	Biology – 9 th	10	3 years of natural science At least 2 courses selected from Biology, Chemistry, Physics, and Earth Sciences 1 course must include laboratory instruction
		Chemistry or Physical Science: Chemistry – 10 th	10 or 5	
		Physics or Physical Science: Physics – 11 th	10 or 5	
		Choice of Science Elective (dependent upon choice of 5 or 10 credit Chemistry and Physics courses)	0 - 10	

Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.

GRADUATION REQUIREMENTS CLASSES OF 2027 & Beyond

Program	Total Course/Subject Credits	Course or Subject Areas	Credits	University of Nebraska System Requirements**
Physical Education	15	See course descriptions for grade appropriate selections	15	
Health Education	5	<ul style="list-style-type: none"> ● ELD Health ● Healthy Living 	5	
Financial Literacy	5	<ul style="list-style-type: none"> ● ELD Financial Literacy ● Personal Finance ● Financial Literacy (Business and Entrepreneurship Academy) ● Life Skills & Career Opportunities (AFJROTC) 	5	
Fine and Performing Arts	5	Choice of Fine and Performing Arts selected courses: <ul style="list-style-type: none"> ● Any art course ● Any music course ● Theatre and Performance I (Drama I) ● Theatre Appreciation 	5	
Technology Education	5	Choice of Technology selected courses: <ul style="list-style-type: none"> ● AP Computer Science Principles ● Business Technologies ● Computer Science Programming ● Digital Media ● ELD Computer Literacy ● Emerging Technologies ● Information Technology I (Academy) ● Introduction to Engineering 	5	
Human Resources	5	Choice of a Human Resources course: <ul style="list-style-type: none"> ● AP Psychology (10 credits) ● Adult Life and Parenting ● Child Development ● ELD Adult Living ● Human Diversity ● IB Psychology SL (NHS) ● IB Theory of Knowledge I (NHS) ● International Relations ● Intro to Behavioral Sciences ● Law Studies ● Psychology ● Sociology ● World Religions 	5	
Electives	60	A total of 60 additional credits selected from any course areas	60	2 years of the same WorldLanguage

** The University of Nebraska has three undergraduate campuses: University of Nebraska-Lincoln, University of Nebraska-Omaha, and University of Nebraska-Kearney.

** In addition –

- GPA of 3.0 or above OR
- 20+ on the ACT, writing not required OR
- 1040 or higher on SAT, Critical Reading & Math Sections
- ACT & SAT are not admissions requirements

Credit Summary					
Language Arts: English	40	Physical Education	15	Human Resources	5
Social Studies	30	Health Education	5	Technology Education	5
Mathematics	30	Financial Literacy	5	Electives	60
Science	30	Fine and Performing Arts	5	Total	230
Graduation requirements may need to be adjusted to match Nebraska State Statute and Rule 10 Guidelines.					

ADDITIONAL GRADUATION INFORMATION

1. A grade of four (4) or better must be maintained in any course used to fulfill graduation requirements. Should a “pass-fail” grading system be utilized in a course, only a “pass” grade will fulfill graduation requirements.
2. Students should be aware of the entrance requirements of post-secondary schools they may choose to attend.
3. In order to provide flexibility in such situations as transfers and special needs, course waivers may be submitted by staff and considered for approval by the principal.
4. Grading Guidelines for Second – Twelfth Grade (Board of Education Rule 6330.1).

The Millard Public Schools Grading Guidelines for second through twelfth grade shall be used to report achievement, academic progress, and compute Grade Point Averages (GPA) where applicable.

Number Grade	Letter Grade	% Grade Range	Standard Grade Points	Weighted Grade Points
1 =	A =	100-93 =	20 Grade points or	25 Grade points
2 =	B =	92-85 =	15 Grade points or	20 Grade points
3 =	C =	84-77 =	10 Grade points or	15 Grade points
4 =	D =	76-69 =	5 Grade points or	10 Grade points
5 =	F =	68-0 =	0 Grade points	0 Grade points
P =	P =	Pass =	0 Grade points	0 Grade points
F =	F =	Fail =	0 Grade points	0 Grade points

Weighted grade points will apply to Advanced Placement® courses, to those courses taken for International Baccalaureate® purposes wherein students are required to meet IB requirements for standard level (SL) or higher level (HL) assessment, and to those courses which are beyond the Advanced Placement® course sequence within a specific content area as identified in the *Millard Public Schools High School Curriculum Handbook and Registration Guide*. IB Middle Years Programme and IB Diploma prerequisite courses do not qualify for weighted grade points.

A student’s Grade Point Average (GPA) shall be calculated by dividing the total Grade Points achieved (standard and weighted) by the total course credits attempted.

Graduates will be recognized for honors in accordance with the following Grade Point Averages (weighted):

Summa Cum Laude	4.0 and above
Magna Cum Laude	3.75-3.99
Cum Laude	3.50-3.74

5. It is strongly recommended that each student take at least 6 classes each semester, 3 per semester in a 4x4 block schedule. All students must register for a minimum of 4 classes, 2 in a 4x4 block, each semester. Credit is not given for study halls.
6. **ELIGIBILITY FOR ACTIVITIES:** In order to participate in interscholastic athletic competition and/or activities, Millard Public Schools requires that a student be enrolled in at least 20 credit hours per semester (Keith Lutz Horizon block, 10 credits per term) and has consistent attendance as well as having received 20 credit hours (Keith Lutz Horizon block, 10 credits per term) the immediate preceding semester.
7. **CURRICULUM OPTIONS AVAILABLE TO PARENTS:** In a diverse society, there may be occasional situations when parents are uncomfortable with the use of a particular book or unit in their child’s school. If families should find themselves in this position, Millard Public Schools has a long-standing policy that, at the request of parents, students may be excused from using such materials. When such a request is made, the teacher will provide alternative materials for the student. Parents should contact the principal’s office or their child’s teacher if they have questions about this policy.

PERSONAL LEARNING PLAN

In addition to 230 credits required for graduation, each student must also meet the Essential Learner Outcomes of College and Career Readiness, submit the FAFSA, and successfully complete his or her Personal Learning Plan (PLP).

Personal Learning Plans (PLPs) assist each student to set and achieve challenging educational goals tailored to his or her abilities, interests, and aspirations. The Personal Learning Plan includes a focus on personal, academic, and career/college areas. The Personal Learning Plan defines specific expectations for each grade level of high school.

During each of their four years, students are asked to create short-term and long-term S.M.A.R.T. Goals (Specific and Strategic, Measurable, Attainable, Results-Oriented, Time-Bound) which are then monitored by the student and his or her advisor throughout the school year. Each year students also reflect on experiences that support their preparation for college and career.

Requirements include the following:

Freshman

- 8th-9th Transition Survey
- Complete Career Interest Profiler
- Complete Achieveworks Learning and Productivity
- Build Resumé
- Complete Achieveworks Personality
- Achieveworks Personality Reflection
- Service Learning Record and Reflection

Sophomore

- Take Pre-ACT™
- Build Resumé
- Complete Achieveworks Personality
- Achieveworks Personality Reflection
- Service Learning Record and Reflection

Junior

- Take ACT® Assessment
- Complete Graduation Survey
- Build Resumé
- Complete Achieveworks Personality
- Achieveworks Personality Reflection
- Service Learning Record and Reflection

Senior

- Millard Senior Survey
- Complete Game Plan Survey
- Complete Graduation Survey
- Counselor Interview
- Build Resumé
- Complete Achieveworks Personality
- Achieveworks Personality Reflection
- Service Learning Record and Reflection

The PLP will be completed using College and Career Readiness tools and embedded in required courses. Student progress will be monitored and recorded by a school representative such as an advisor, counselor, and/or an administrator. Parents are encouraged to visit their child's Personal Learning Plan to hold conversations, to monitor progress, and to encourage their child's efforts.

At least one month prior to graduation, the Senior PLP must be completed. Transfer students are expected to complete a Personal Learning Plan with the understanding that the principal (or designee) may waive previous requirements based on the entrance date of the student.

ASSESSMENT REQUIREMENTS

In addition to 230 credits required for graduation and FAFSA submission, each student must also meet the Essential Learner Outcomes of College and Career Readiness in Reading, Mathematics, and Writing, and complete his or her Personal Learning Plan (PLP) from Board of Education Rule 6315.1.

Secondary Grade Level Measurements:

- 10th Grade MPS Analytical Writing Assessment
Pre-ACT™
- 11th Grade ACT® Assessment

III. Effect of Student Performance

- A. When a student has successfully met the College and Career Readiness metric for each outcome:
1. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
 2. Students who meet the College and Career Readiness metric have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, students shall be eligible for a graduation diploma from the Millard Public Schools.
- B. If a student has not met the College and Career Readiness metric for a given subject area, the following shall occur:
1. The school/district will initiate a consistent and collaborative problem solving and intervention model called Multi-Tiered Systems of Support (MTSS). Records of problem solving and intervention strategies are required.
 2. Utilizing the MTSS problem solving process, school representatives will offer the student learning activities that address recognized College and Career Readiness deficiencies. Learning activities may include, but are not limited to, the following:
 - a. Differentiated/complementary instruction during regular classes (i.e., peer tutoring, needs groups, individualized instruction);
 - b. Before or after school tutorials;
 - c. Study hall tutorials;
 - d. Change of interdisciplinary teams or level of instruction;
 - e. Repeat of specific course(s) of study;
 - f. Assignment to and attendance at specific class(es) designed to address deficiencies;
 - g. Attendance at summer school; and/or
 - h. Use of specific District identified interventions designed to support student achievement.
 3. If the student is verified with a disability the IEP Team may reconvene to review the problem solving and intervention strategies and to ensure that the IEP is written to assist the student and that appropriate accommodations are in place.
 4. If the student has a 504 Accommodation Plan, the 504 Team may reconvene to review the problem solving and intervention strategies and to ensure that needed accommodations are in place.
 5. If the student is identified as an English Learner (EL), a school team responsible for planning the student's academic program may reconvene to review the problem solving and intervention strategies and to ensure that needed accommodations are in place.
- C. Procedures for high school students:
1. If a student has not met the College and Career Readiness metric for a given subject as measured by the ACT® Assessment, the following shall occur:
 - a. The problem solving and intervention strategies will be reviewed by a qualified team and, if necessary, redesigned. Students shall be referred to Building Problem Solving Team for identification of needs if not previously referred.
 - b. The building will review the student's results of the Nebraska State Accountability Test. If the student has successfully met the College and Career Readiness metric measured by Nebraska State Accountability Test for each outcome, then
 - i. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
 - ii. Students who meet the College and Career Readiness metric for high school have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, the students shall be eligible for a graduation diploma from the Millard Public Schools.

- c. Students may submit additional ACT[®] results for consideration in meeting the College and Career Ready metrics from testing occasions for which they have independently registered.
- 2. If after review of the student's results of the Nebraska State Accountability Test a student has not met the College and Career Readiness metric for a given Essential Learner Outcomes of College and Career Readiness, the following shall occur:
 - a. The problem solving and intervention strategies will be reviewed by a qualified team and, if necessary, redesigned. Students shall be referred to Building Problem Solving Team for identification of needs if not previously referred.
 - b. The building will review the student's results of Pre-ACT[®] Assessment. If the student has successfully met the Essential Learner Outcomes of College and Career Readiness metric measured by Pre-ACT[®] Assessment for each outcome, then
 - iii. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
 - iv. Students who meet the College and Career Readiness metric have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, the students shall be eligible for a graduation diploma from the Millard Public Schools.
- 3. If after review of the student's results of the student's results of Pre-ACT[®] Assessment, a student has not met the College and Career Readiness metric, the following shall occur:
 - a. The problem solving and intervention strategies will be reviewed by a qualified team and, if necessary, redesigned. Students shall be referred to Building Problem Solving Team for identification of needs if not previously referred.
 - b. The building will review and administer locally-developed Essential Learner Outcome assessments. If the student has successfully met the College and Career Readiness metric measured by locally-developed ELO assessments for each outcome, then
 - v. A notation shall be made in the student's cumulative record. Such information will be communicated to parent(s)/guardian(s) in writing.
 - vi. Students who meet the College and Career Readiness metric have met an essential criterion for graduating from the Millard Public Schools. Upon successful completion of the required number of credits and Personal Learning Plan as defined by Policy 6320 and Rule 6320.1, the students shall be eligible for a graduation diploma from the Millard Public Schools.
 - vii. The student shall be retested using the appropriate Essential Learner Outcomes of College and Career Readiness assessment. Students shall be given the opportunity to be retested multiple times until the requisite College and Career Readiness metric is achieved. Students shall be given notice of the opportunities for retesting.
- 4. The student will be considered ineligible for a diploma from the Millard Public Schools until such time that the requisite College and Career Readiness metrics are achieved.
- 5. If the student is verified with a disability or has a 504 Accommodation Plan, then the IEP or 504 Team will reconvene to review the education plan and may consider lowering the College and Career Readiness metric requirement as part of the IEP or 504 Accommodation Plan. The student's parent(s) and/or guardian(s) shall be notified and shall also be advised of the effect of lowering the College and Career Readiness metric.
 - a. Applications for approval of lowered College and Career Readiness metric requirements may be submitted by the student's IEP or 504 Team to the Associate Superintendent of Educational Services for consideration and where appropriate, approval. The Associate Superintendent of Educational Services or designee shall decide and respond to all such requests.
 - b. If the lowered College and Career Readiness metric is approved, the student shall then be eligible to receive a graduation diploma with appropriate notation from the Millard Public Schools as provided in Rule 6320.1.

D. Demonstration of Proficiency

Additional opportunities are available to demonstrate student proficiency. After review of ACT[®] Assessment, Nebraska State Accountability Tests or Pre-ACT[®] and one or more attempts on Essential Learner Outcome locally-developed assessments without achieving the College and Career Readiness metric, students, under building supervision, shall participate in a process, as provided in the District's Assessment Procedures, to demonstrate an appropriate level of proficiency in reading, writing, and/or math. A student who successfully meets the standards and requirements of a Demonstration of Proficiency shall have met one of the essential criteria for graduating from the Millard Public Schools. Mechanisms by which students may demonstrate proficiency include:

- 1. Performance portfolios comprised of District developed course assessment scores for reading, writing, and math.
- 2. Approved Advanced Placement[®] course grades of a "3" or higher or an approved AP exam score of a 2 or higher for an AP English course as evidence of Reading and Writing competency, or grades of a "3" or

higher or an AP exam score of a 2 or higher for an AP mathematics exam. All AP courses and exams used for this purpose shall have been provided by and/or taken while enrolled in an accredited institution.

3. Approved dual enrollment courses as evidence of Reading, Writing, or Mathematics competencies e.g., the Metropolitan Community College (MCC) Developmental Math Course.
4. Measures of Academic Progress (MAP) RIT score in high school Reading or Mathematics comparable to near College and Career Ready ACT score.
5. Early Advanced (4) or Advanced (5) scores on the English Language Proficiency Assessment (ELPA21) in the reading (for reading requirement) or writing (for writing requirement) domains.

IV. District Procedures for Opting Out of Recommended Reteaching

- A. Should a student participating in the Assessment Program not meet the requisite College and Career Readiness metric and be recommended for one of the problem solving and intervention strategies listed above, including placement in a specific required course, the student's parent(s)/guardian(s) shall have the right to refuse placement of their student within the recommended strategy and either:
 1. Request an alternative teaching strategy; or
 2. Refuse such placement at all.
- B. Such requests for an alternative teaching strategy shall be submitted in writing to the appropriate building principal. The building principal or designee shall respond within thirty (30) calendar days.

V. District Procedures for New Students

- A. At the high school level, incoming students who enroll after district administration of Pre-ACT® or ACT® Assessment may provide verified results of these assessments from prior administration. If verified results are not provided, students will take all high school locally-developed Essential Learner Outcome assessments.

VI. District Procedures for Students with Disabilities and EL Students

Pursuant to the Assessment Accommodations section of the District's Assessment Procedures Manual, all students are to participate in the District's regular assessments and the only students to be excluded are those with a disability or language proficiency which has excluded the student from the norm sample of the standardized assessment, and/or those students who have not participated in the area and/or level of the curriculum that the assessment measures. Even for such students, they are not totally exempt and they must take an alternate assessment.

A. Procedures for Students with Disabilities

The preceding assessments may not be appropriate for some students with disabilities whose individualized education programs prescribe a different course of instruction and/or different requirements for graduation. The participation of students with disabilities, the provision of accommodations, and the provision of alternate assessments will be in accordance with the District's Assessment Procedures, which include the process for identifying appropriate assessment accommodations and alternate assessments.

B. Procedure for EL Students

Students must meet all graduation requirements in the English language to earn a Millard Public Schools diploma. EL students who have not demonstrated adequate English language proficiencies may postpone testing according to district procedures.

VII. Student's Right to Appeal

- A. Students who have not achieved the necessary high school College and Career Readiness metrics as approved by the Millard Board of Education may appeal the denial of a diploma.
- B. A student may appeal the denial of a diploma only on the grounds that the student's failure to achieve the required cutscore is due to:
 1. The failure of the District to provide a reasonable accommodation that was previously requested by the student and denied by the District.
 2. The failure of the District to provide an alternate assessment or approve a demonstration of proficiency, which had been previously requested by the student and denied by the District.

VIII. Procedures for Appeal

- A. Within seven (7) days after the receipt of the notice that the student failed to achieve the cutscore required for graduation from the Millard Public Schools, a written notice of appeal shall be served upon the Superintendent of the Millard Public Schools or his/her designee. Such appeal shall set forth all of the reasons for the appeal as provided herein and shall set forth the relief sought by the student, parent(s) or guardian(s). Such notice of appeal may also include any additional information, which is relevant to the appeal.
- B. Within seven (7) days after the receipt of the written notice of appeal and any supporting information relevant to the appeal, the Superintendent or designee shall consider and render a decision on the appeal based on whether the decision of the District was unreasonable. Such decision shall then be forwarded to the student's parent(s) and/or guardian(s) advising the student's parent(s) and/or guardian(s) of the basis for the Superintendent's decision and the reasons therefore.
- C. Within seven (7) days after the receipt of the written notification from the Superintendent or the Superintendent's designee, a written request may be made by the student, parent(s), or guardian(s) to the

secretary of the Millard Board of Education or the Superintendent, or designee for a hearing before the Millard Board of Education, or a committee of the Board consisting of not less than two (2) members or more than three (3) members to be held on the issue whether the decision of the Superintendent or designee was unreasonable.

- D. Such hearing shall be held before the Millard Board of Education or committee within thirty (30) days of the date the request for hearing was received. If a hearing request is not received in a timely manner, the decision of the Superintendent or the Superintendent's designee shall be final.
- E. The student, parent(s) and/or guardian(s) shall be advised at least seven (7) days prior to the date of the hearing before the Board and such notification shall set forth the date, time, and place for the hearing before the Millard Board of Education or committee.
- F. The parties may, by mutual written agreement, extend the time for hearing or final determination.
- G. The student, parent(s), and/or guardian(s) shall have the right to be represented by legal counsel and shall have the opportunity to present such evidence that is material to the issue or issues stated in the appeal.
- H. The hearing shall be conducted in closed session and in accordance with the student privacy laws unless the student, parent(s), and/or guardian(s) shall request, in writing, that the hearing be held in open session. Any formal action of the Millard Board of Education or committee shall be taken in closed session unless such proceeding was requested by the student, parent(s), or guardian(s) to be held in open session.
- I. The decision of the Millard Board of Education or committee shall be by vote of a majority of the members of the Millard Board of Education and the Millard Board of Education or committee shall reduce its findings and decision to writing and provide the written findings and decision to the student, parent(s), and/or guardian(s) within ten (10) days of the hearing. When conducting such proceedings, the Millard Board of Education or committee shall be exercising a judicial function and deciding a dispute of adjudicative facts.

IX. Annual Review

This Rule shall be reviewed annually by the Educational Services Division and the Department of Assessment, Research, and Evaluation and brought to the Board of Education when changes are necessary.

Date of Adoption:
December 21, 1998

Date of Revision:
June 5, 2023

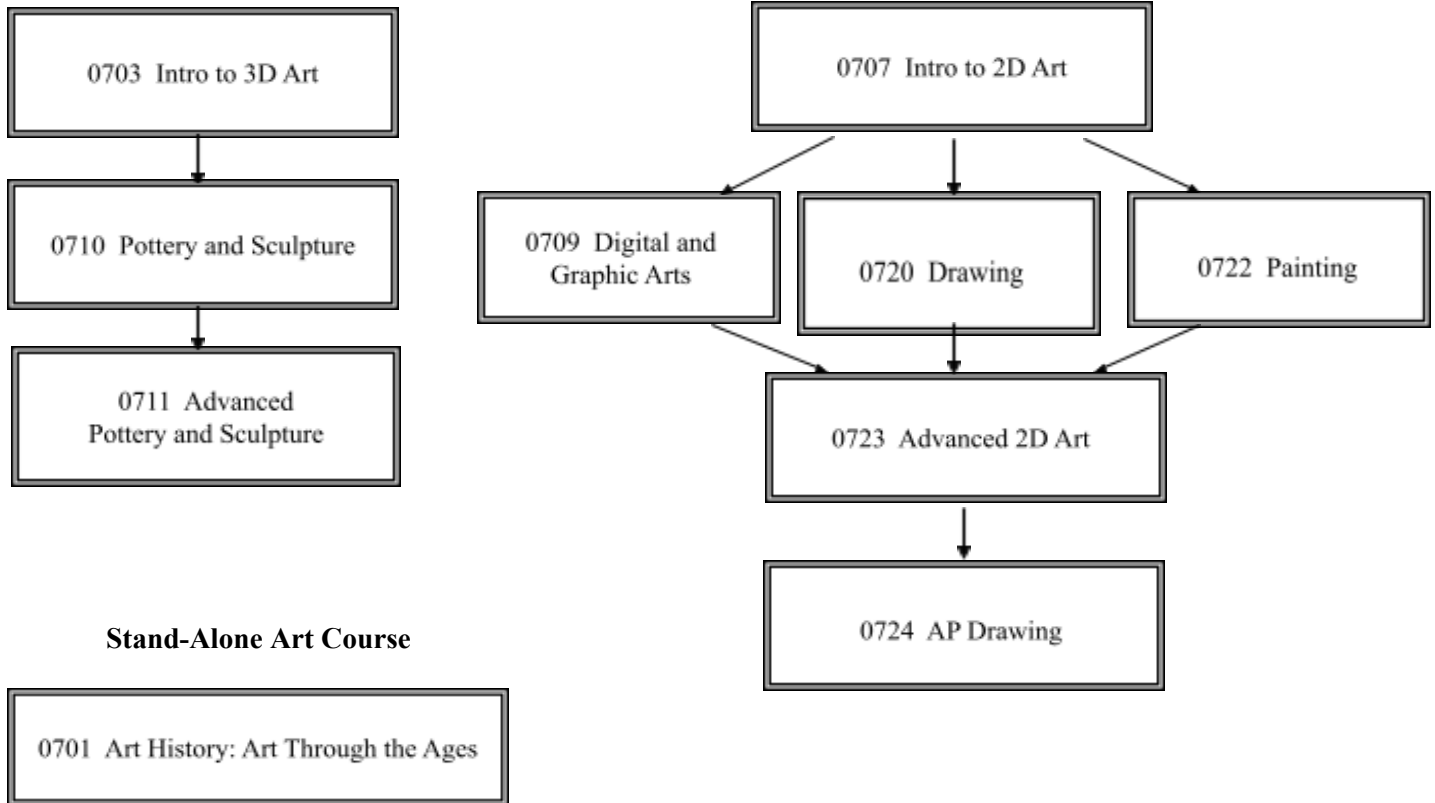
GRADUATION

Upon successful completion of the required credits, assessments, FAFSA submission*, and a Personal Learning Plan, a student shall be eligible for a diploma from the Millard Public Schools.

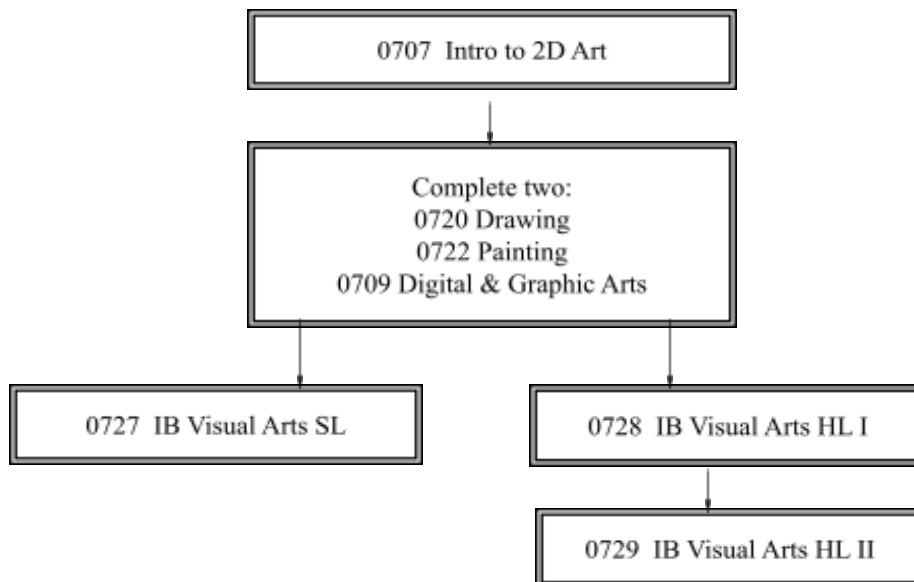
*Beginning with the Class of 2025, each student must submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) prior to graduation.

Course Descriptions

ART



MILLARD NORTH HIGH SCHOOL IB DIPLOMA PROGRAMME STUDENTS ONLY



ART

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ART										
0701	Art History: Art Through the Ages	5		F				*	*	*
0703	Intro to 3D Art	5		F			*	*	*	*
0707	Intro to 2D Art	5		F			*	*	*	*
0709	Digital and Graphic Arts	5			0707		*	*	*	*
0710	Pottery and Sculpture	5			0703 or 0705		*	*	*	*
0711	Advanced Pottery and Sculpture	5			0710		*	*	*	*
0720	Drawing	5			0705 or 0707		*	*	*	*
0722	Painting	5			0707 or 0720			*	*	*
0723	Advanced 2D Art	5			0709, 0720, or 0722		*	*	*	*
0724 A/B	AP Drawing	10	11-12		0723			*	*	*
0727 A/B	IB Visual Arts SL	10	11-12		0720, 0722, 0709			*		
0728 A/B	IB Visual Arts HL I	10	11		0720, 0722, 0709			*		
0729 A/B	IB Visual Arts HL II	10	12		0728			*		

F = Fulfills Fine and Performing Arts Graduation Requirement

ART

Materials for basic projects will be provided; however, students who select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray cost of consumable materials or appropriate personal equipment. Students who qualify for free and reduced waivers should discuss costs with their instructors.

0701 ART HISTORY: ART THROUGH THE AGES

5 Credits

Description: This course investigates the many roles of the visual arts and artists through historical, political, and other social contexts. Art history is a non-production art class. There is required reading and writing in this course to complete research and critiques. This course fulfills the Fine and Performing Arts Graduation Requirement and is not a prerequisite for any other art course.

Prerequisites: None

0703 INTRO TO 3D ART

5 Credits

Description: This exploratory course provides an introduction to 3-dimensional media and techniques. Students may work with clay, wire, plaster, foam, and more. Students may research artists, develop ideas, and reflect on the creative process. After completing this course, students can enroll in Pottery and Sculpture. This course fulfills the Fine and Performing Arts Graduation Requirement.

Prerequisites: None

0710 POTTERY AND SCULPTURE

5 Credits

Description: Pottery and Sculpture is a course in which students will explore a variety of hand-building and sculptural techniques such as pinch, slab, and coil construction. Students will also be introduced to the potter's wheel as well as simple glaze methods. Students may research artists, develop ideas, and reflect on the creative process.

Prerequisites: Art Foundations or Intro to 3D Art

0711 ADVANCED POTTERY AND SCULPTURE

5 Credits

Description: This is the capstone course of the 3D art track. Students will explore advanced hand-building and sculpture techniques, further development on the potter's wheel, more complex glaze application, and surface decoration. Students may research artists, develop ideas, and reflect on the creative process. This course may be repeated for elective credit.

Prerequisites: Pottery and Sculpture

0707 INTRO TO 2D ART

5 Credits

Description: This exploratory course is an introduction to 2-Dimensional media and techniques. The focus of this course will be drawing and painting techniques. Students may also have opportunities to work with printmaking, digital drawing and painting, or collage. Students will learn how the creative process works with 2D media and develop decision making skills. After completing this course, students may enroll in drawing, painting, and/or digital and graphic art. This course fulfills the Fine and Performing Arts Graduation Requirement.

Prerequisites: None

0709 DIGITAL AND GRAPHIC ARTS

5 Credits

Description: In this course, students will explore and experience numerous aspects of digital art, using a variety of computer applications. Students will develop an understanding of logo design, illustration, creation of graphics, typography, advertising, and package design. In this course, students will also explore the many career options available for graphic designers and digital artists. This course includes art production.

Prerequisites: Intro to 2D Art

0720 DRAWING

5 Credits

Description: Drawing is a course designed to give students an in-depth experience in drawing techniques and to improve their drawing skills. Students will develop techniques in portraiture, landscape, still life, and perspective drawing. This course will use a variety of media such as graphite, colored pencils, chalk, charcoal, digital drawing, and ink. Students may research artists, develop ideas, and reflect on the creative process.

Prerequisites: Art Foundations or Intro to 2D Art

0722 PAINTING

5 Credits

Description: Painting is a course designed to give students an in-depth experience in painting techniques and to improve their painting skills. Students will develop an understanding of realistic, abstract, and non-objective painting styles and may work with watercolor, gouache, and acrylic. Students may research artists, develop ideas, and reflect on the creative process.

Prerequisites: Intro to 2D Art

0723 ADVANCED 2D ART

5 Credits

Description: This course challenges students with an emphasis on advanced techniques, application of design, and communication of broad concepts. Students have the opportunity to choose their preferred media such as drawing, painting, or digital art media when developing and creating their artwork. In this course, students will study artists and styles from the past and present and how those works might influence their own style and art creation. After completing this course, students can enroll in AP Drawing.

Prerequisites: Digital and Graphic Arts, Drawing, or Painting

0724 ADVANCED PLACEMENT® DRAWING

10 Credits

Description: Accepted media for the course include drawing media, painting media, printmaking, and digital drawing or digital painting. This advanced placement course will develop students' skills in drawing as they experiment with different materials and processes. Students will create artworks that reflect their own ideas, skills, and knowledge. Artworks should focus on the use of drawing skills, including mark-making, line, surface, space, light and shade, and composition. Students will submit a portfolio of artwork for evaluation at the end of the school year. The AP teacher will mail physical works to the AP Program and students will also upload digital images of work and commentary online.

Prerequisites: Advanced 2D Art

0727 IB VISUAL ARTS SL**11-12****North only****10 Credits**

Description: IB Visual Arts SL will immerse the art student in a year-long experience of studio production and the completion of a research workbook. Emphasis will be placed on the studio production, with each student completing a body of work to be displayed and evaluated at the end of the year. Research workbooks will include student's personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression. The development of original ideas, the discovery of creative solutions, global study and the acquisition of technical skills by the student will be the core areas of evaluation at the end of the course in both the studio and workbook areas. The curriculum will involve a variety of problem solving units with an emphasis on the following: aesthetic qualities of a body of work, relationship between form and meaning in visual arts, and the social and cultural functions of the visual arts.

Prerequisites: Choose two: 0720 Drawing, 0722 Painting, OR 0709 Digital & Graphic Arts

0728 IB VISUAL ARTS HL I**11****North only****10 Credits**

Description: IB Visual Arts involves the advanced art student in year one of a two-year rigorous and comprehensive art program that combines both studio work and research in the form of a research workbook. Each student will be engaged in a two-year commitment to the development of ideas, discovery of creative solutions and acquisition of technical skills. Studio emphasis will be on the following: aesthetic quality of a body of work, relationship between form and meaning in visual arts, and the social and creative functions of the visual arts. Each student will be responsible for a visual display of the portfolio by the teacher and an IB evaluator. Research workbooks will emphasize personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression.

Prerequisites: Choose two: 0720 Drawing, 0722 Painting, OR 0709 Digital & Graphic Arts

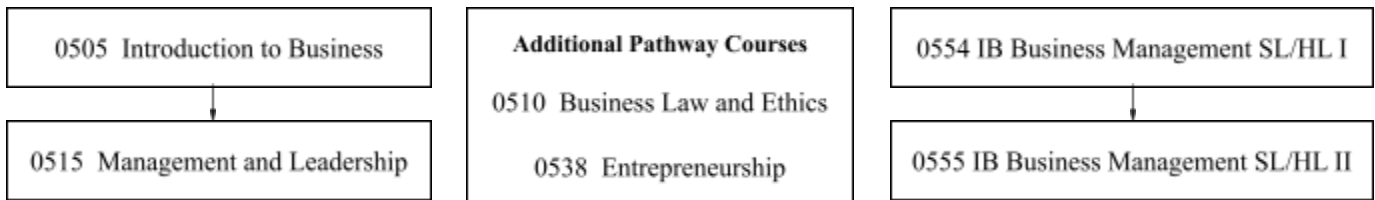
0729 IB VISUAL ARTS HL II**12****North only****10 Credits**

Description: IB Visual Arts involves the advanced art student in the second of a two-year rigorous and comprehensive art program that combines both studio work and research in the form of a research workbook. Each student will be engaged in a two-year commitment to the development of ideas, discovery of creative solutions and the acquisition of technical skills. Studio emphasis will be on the following: aesthetic quality of a body of work, relationship between form and meaning in visual arts and the social and creative functions of the visual arts. Each student will be responsible for a visual display of the portfolio by the teacher and an IB evaluator. Research workbooks will emphasize personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression.

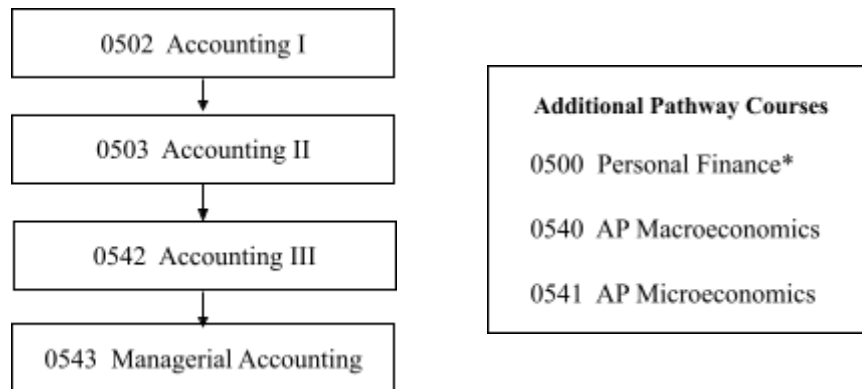
Prerequisites: IB Visual Arts HL I

BUSINESS, MARKETING, AND MANAGEMENT

Business Management and Administration Pathway

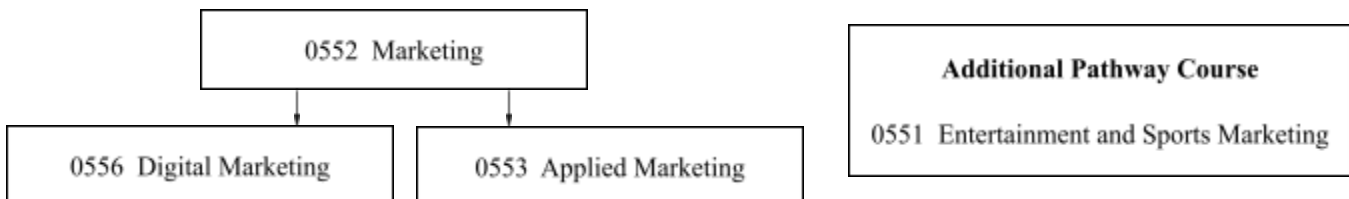


Finance Pathway

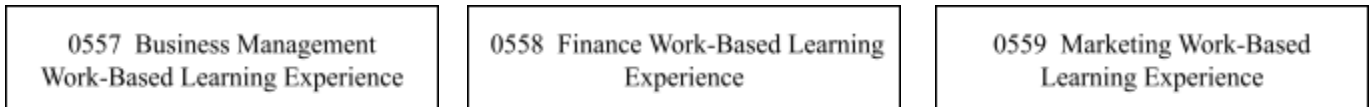


*Fulfills Financial Literacy Graduation Requirement

Marketing Pathway



Work-Based Learning Experiences



Students who complete a single pathway are encouraged to expand their knowledge by completing an additional pathway.

BUSINESS, MARKETING, AND MANAGEMENT

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
BUSINESS, MARKETING, AND MANAGEMENT										
Business Management and Administration Pathway										
0505	Introduction to Business	5						*	*	*
0510	Business Law and Ethics	5						*	*	*
0515	Management and Leadership	5	11-12					*	*	*
0538	Entrepreneurship	5					*	*	*	*
0554 A/B	IB Business Management SL/HL I	10	11					*		
0555 A/B	IB Business Management HL II	10	12		0554			*		
Finance Pathway										
0500	Personal Finance	5	10-12	FL			*	*	*	*
0502	Accounting I	5						*	*	*
0503	Accounting II	5			0502			*	*	*
0540	AP Macroeconomics	5			†			*	*	*
0541	AP Microeconomics	5			†			*	*	*
0542	Accounting III	5			0503			*	*	*
0543	Managerial Accounting	5			0542			*	*	*
Marketing Pathway										
0551	Entertainment and Sports Marketing	5					*	*	*	*
0552 A/B	Marketing	10	10-12					*	*	*
0553 A/B	Applied Marketing	10	11-12		0552 or ATD20 or AEN65 or 0554			*	*	*
V0553 A/B	Applied Marketing	10	11-12		0552 or ATD20 or AEN65 or 0554			*	*	*
0556	Digital Marketing	5			0552 or ATD20 or AEN65 or 0554			*	*	*
Work-Based Learning Experiences										
0557	Business Management Work-Based Learning Experience	5	11-12		†			*	*	*
0558	Finance Work-Based Learning Experience	5	11-12		†			*	*	*
0559	Marketing Work-Based Learning Experience	5	11-12		†			*	*	*

FL = Fulfills Financial Literacy Graduation Requirement † = See course descriptions for additional requirements.

BUSINESS, MARKETING, AND MANAGEMENT

BUSINESS MANAGEMENT AND ADMINISTRATION PATHWAY

0505 INTRODUCTION TO BUSINESS

5 Credits

Description: Students will learn the basics of the business world and how it functions by examining economics, accounting, marketing, management, and entrepreneurship. Concepts in this course will provide a background for other business courses, assist with consumer decision-making, and help to develop skills that employers seek in potential employees.

Prerequisites: None

0515 MANAGEMENT AND LEADERSHIP

11-12

5 Credits

Description: Students will examine the characteristics of a strong business leader. This course addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. This course is recommended for all students planning to major in Business in college.

Prerequisites: None

0510 BUSINESS LAW AND ETHICS

5 Credits

Description: Students will develop an understanding of laws and regulations that impact business. Topics include corporate law, contracts, consumer protection, and employment law. Students will also acquire knowledge of business torts, sources of law, and the legal procedures of the United States judicial system.

Prerequisites: None

0538 ENTREPRENEURSHIP

5 Credits

Description: Students will learn the essentials of starting and operating a new business by producing a business plan for an entrepreneurial venture. They will explore the big picture of entrepreneurship in the United States understanding the impact on the national and global economy. In this course, students will develop their leadership, communication, and human relations skills.

Prerequisites: None

0554 IB BUSINESS MANAGEMENT SL/HL I**North only 11**

10 Credits

Description: Business Management SL/HL I is year one of an IB Diploma course to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. The course encourages the appreciation of ethical concerns at a local and global level. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. Students will examine the characteristics of business organization and environment, human resource management, finance and accounting, marketing and operations management. Students will develop subject-specific skills, such as financial analysis. In addition to the core curriculum taught in the SL course, HL students are expected to complete extension areas of studies in each of the five units, adding depth and breadth to the course.

Prerequisites: None

0555 IB BUSINESS MANAGEMENT HL II**North only 12**

10 Credits

Description: Business Management HL II is year two of a business management course in which students will continue to develop and expand their knowledge and understanding of business management theories, as well as continue to apply a range of tools and techniques. The course encourages the appreciation of ethical concerns at a local and global level. Students will develop the ability to: think critically; make ethically sound and well-informed decisions; appreciate the pace, nature and significance of change; think strategically; and undertake long term planning, analysis, and evaluation. Students will develop subject-specific skills, such as financial analysis. In addition to the core curriculum taught in the SL course, HL students are expected to complete extension areas of studies in each of the five units, adding depth and breadth to the course.

Prerequisites: IB Business Management SL/HL I

FINANCE PATHWAY**0500 PERSONAL FINANCE****10-12**

5 Credits

Description: Students will learn the skills necessary to manage their financial resources for lifetime financial security. The goal of Personal Finance is to help students to become financially responsible, conscientious members of society. This course develops students' understanding and skills in areas such as financial goal setting, buying goods and services, banking and savings, using credit, investment, and protection management. This course fulfills the Financial Literacy Graduation Requirement.

Prerequisites: None

0502 ACCOUNTING I

5 Credits

Description: Students will learn the accounting cycle, record financial transactions, and prepare financial statements for a service business. This course is a comprehensive introduction to basic accounting as the first in a sequence of courses that prepares students for careers in business and college-level accounting.

Prerequisites: None

0503 ACCOUNTING II

5 Credits

Description: Students will expand their understanding of accounting principles by learning to analyze records, interpret financial data, and apply adjustments for a merchandising partnership or corporation. This is the second in a sequence of courses that prepares students for careers in business and college-level accounting.

Prerequisites: Accounting I

0542 ACCOUNTING III

5 Credits

Description: Students will further develop their understanding of advanced accounting concepts. Students will evaluate financial planning and decision-making for operating activities and capital investments. This course will expand student accounting knowledge to understand corporate accounting. Accounting III is strongly recommended for students planning on majoring in Business in college.

Prerequisites: Accounting II

0543 MANAGERIAL ACCOUNTING

5 Credits

Description: Students will learn how to provide accounting information to assist management in decision-making, planning, and control. Budgeting, management decision-making, financial statement analysis and statements of cash flows will be covered in this course. Managerial Accounting is strongly recommended for students planning on majoring in Business in college.

Prerequisites: Accounting III

0540 ADVANCED PLACEMENT[®] MACROECONOMICS

5 Credits

Description: Advanced Placement[®] Macroeconomics is a fast-paced college-level course that focuses on the decision making of individuals, businesses, and the government. Students will study a variety of economic theories and analyze their practical application in the real world. This course will cover macroeconomics. Macroeconomics focuses on the economy as a whole, including economic measures, economic growth, fiscal policy, monetary policy, and international economics. This course will prepare students to take the Advanced Placement[®] Macroeconomics exam. Students are encouraged to enroll in both AP Macroeconomics and AP Microeconomics during the same academic year.

Prerequisites: Statement from College Board - “Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.”

0541 ADVANCED PLACEMENT[®] MICROECONOMICS

5 Credits

Description: Advanced Placement[®] Microeconomics is a fast-paced college-level course that focuses on the decision making of individuals, businesses, and the government. Students will study a variety of economic theories and analyze their practical application in the real world. Advanced Placement[®] Microeconomics focuses on the supply and demand for products, the labor markets, and the role of competition in a free market system. This course will prepare students to take the Advanced Placement[®] Microeconomics exam. Students are encouraged to enroll in both AP Macroeconomics and AP Microeconomics during the same academic year.

Prerequisites: Statement from College Board - “Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.”

MARKETING PATHWAY**0551 ENTERTAINMENT AND SPORTS MARKETING**

5 Credits

Description: Students will develop skills in the areas of event management, sponsoring, ticket marketing, branding, roles of public relations, and career opportunities as they relate to the entertainment and sports industries. Entertainment and Sports Marketing is a specialized course to develop marketing knowledge and skills related to the growing event marketing industry. Students enrolled in this course are eligible to participate in DECA.

Prerequisites: None

0552 MARKETING**10-12**

10 Credits

Description: Students will understand the functions of marketing, including product service management, promotion, pricing, selling, and channel management. Students will apply communication, leadership, and technology skills while developing their employability and career development strategies. Students enrolled in this course are eligible to participate in DECA.

Prerequisites: None

0556 DIGITAL MARKETING

5 Credits

Description: No longer is Digital Marketing simply a buzzword. Digital Marketing transforms how businesses market and communicate to consumers. This one-semester course will expand students' knowledge in marketing through exploration of emerging technologies and incorporate the use of current digital marketing and traditional marketing strategies. Students enrolled in this course are eligible to participate in DECA.

Prerequisites: Marketing

0553 APPLIED MARKETING**11-12**

10 Credits

Description: Students will apply concepts of business development to conduct market research analysis, create start-up business plans, and propose promotional activities for current businesses and local organizations. Students will demonstrate communication, interpersonal, leadership, and technology skills while developing their employability and career development strategies in project-based activities. Applied Marketing is recommended for college bound students and/or students who are interested in starting their own business. Students enrolled in this course are eligible to participate in DECA.

Prerequisites: 0552 Marketing OR ATD20 OR AEN65 Principles of Marketing OR 0554 IB Business Management SL/HL I

V0553 APPLIED MARKETING**11-12**

10 Credits

Description: This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

Applied Marketing students will apply concepts of business development to conduct market research analysis, create start-up business plans, and propose promotional activities for current businesses and local organizations. Students will demonstrate communication, interpersonal, leadership, and technology skills while developing their employability and career development strategies in project-based activities. Applied Marketing is recommended for college bound students and/or students who are interested in starting their own business. Students enrolled in this course are eligible to participate in DECA.

Prerequisites: 0552 Marketing OR ATD20 OR AEN65 Principles of Marketing OR 0554 IB Business Management SL/HL I

WORK-BASED LEARNING EXPERIENCES

Business, Marketing, and Management Work-Based Learning (WBL) is a capstone course that connects students with employers to prepare them for success in an ever-changing workplace. WBL is a supervised meaningful experience related to the career interests of learners that enables students to apply their career and technical education in a real work setting. This workplace experience is a proactive approach to bridge previous career and technical education coursework and workplace performance.

Work-Based Learning Experience Course Expectations:

- Students will secure their own job
- Participate in a meaningful and approved Work-Based Learning Experience
- Work a minimum of 120 hours per semester (approx. 7 hours/week)
- Students provide their own transportation
- Complete Work-Based Learning Experience documents
- Participate in Safety and Equipment Training where required

0557 BUSINESS MANAGEMENT WORK-BASED LEARNING EXPERIENCE **11-12** 5 Credits/Semester

Prerequisites: Students must be in their Junior or Senior year and be concurrently enrolled in this capstone course: 0515 Management and Leadership.

0558 FINANCE WORK-BASED LEARNING EXPERIENCE

11-12 5 Credits/Semester

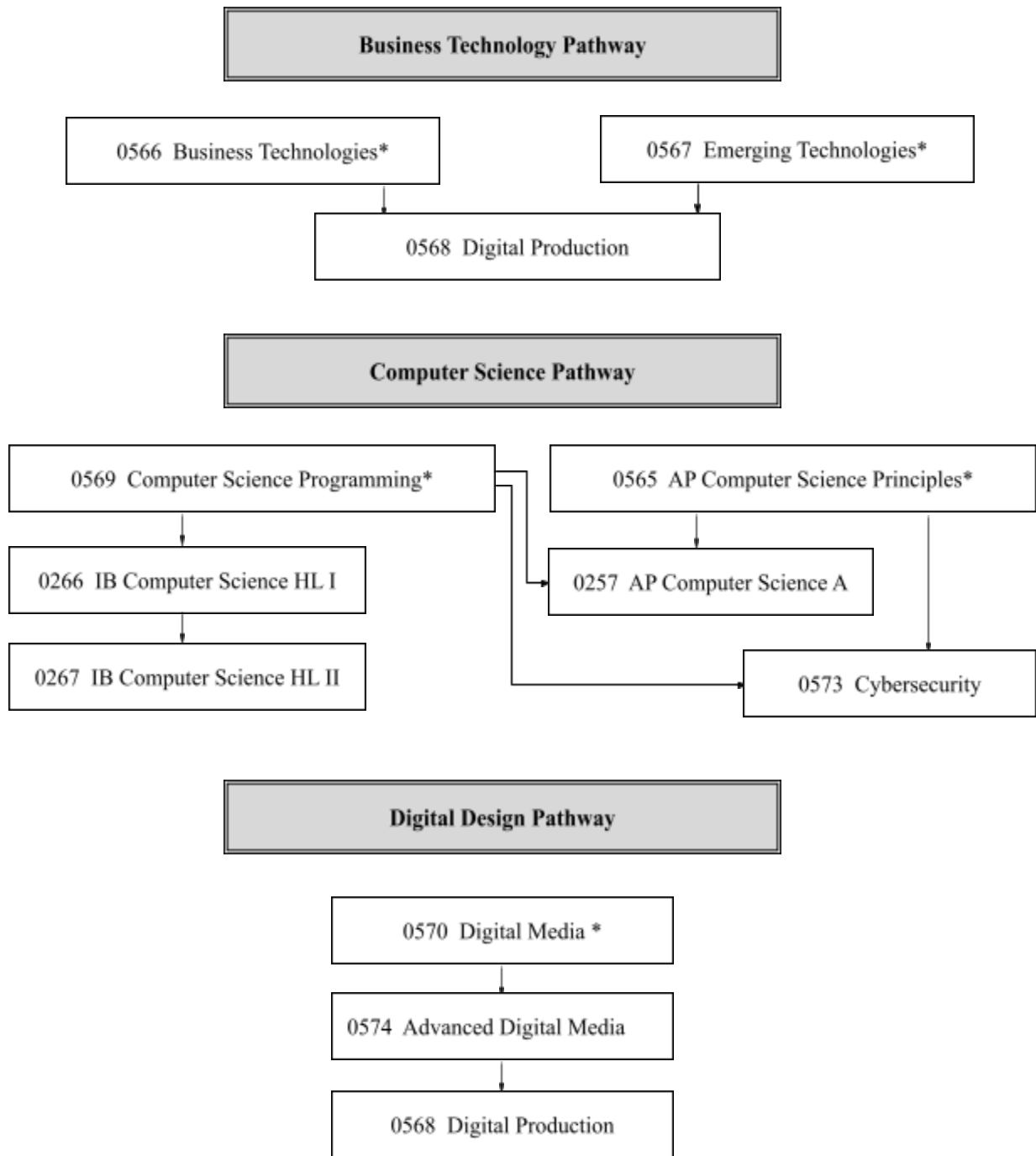
Prerequisites: Students must be in their Junior or Senior year and be concurrently enrolled in one of these capstone courses: 0542 Accounting III or 0543 Managerial Accounting

0559 MARKETING WORK-BASED LEARNING EXPERIENCE

11-12 5 Credits/Semester

Prerequisites: Students must be in their Junior or Senior year and be concurrently enrolled in one of these capstone courses: 0553 Applied Marketing or 0556 Digital Marketing.

COMMUNICATION AND INFORMATION SYSTEMS



*Fulfills Technology Education Graduation Requirement

Students who complete a single pathway are encouraged to expand their knowledge by completing an additional pathway

COMMUNICATION AND INFORMATION SYSTEMS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
COMMUNICATION AND INFORMATION SYSTEMS										
Business Technology Pathway										
0566	Business Technologies	5		T			*	*	*	*
0567	Emerging Technologies	5		T				*	*	*
Computer Science Pathway										
0266 A/B	IB Computer Science HL I	10	11		0569†			*		
0267 A/B	IB Computer Science HL II	10	12		0266			*		
0569	Computer Science Programming	5		T				*	*	*
0565 A/B	AP Computer Science Principles	10		T				*	*	*
0257 A/B	AP Computer Science A	10			0565, or 0569			*	*	*
0573	Cybersecurity	5			0565, or 0569			*	*	*
Digital Design Pathway										
0570	Digital Media	5		T				*	*	*
0568	Digital Production	5			0566, 0567, or 0574			*	*	*
0574	Advanced Digital Media	5			0570			*	*	*

T = Fulfills Technology Education Graduation Requirement

† = See course descriptions for additional requirements.

COMMUNICATION AND INFORMATION SYSTEMS

BUSINESS TECHNOLOGY PATHWAY

0566 BUSINESS TECHNOLOGIES

5 Credits

Description: Students will think analytically and manipulate information using productivity software. Students will demonstrate digital citizenship while practicing professional communication techniques by collaborating and communicating via the Internet. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

0567 EMERGING TECHNOLOGIES

5 Credits

Description: Students will explore emerging technologies as it applies to their success for high school, college, and career. The course will emphasize digital citizenship and communication practices. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

COMPUTER SCIENCE PATHWAY

0569 COMPUTER SCIENCE PROGRAMMING

5 Credits

Description: Students will learn to code in a text-based computing language. Computer science is a foundational part of every career field in an increasingly digital world. Programming in this course will focus on establishing a basis for using computational thinking techniques, creativity, and refining practices. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

0565 ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

10 Credits

Description: Students will learn the foundational concepts of computer science and will be challenged to explore how computing and technology can influence the world. This course is more than a traditional introduction to programming; it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. Students will employ creativity and problem solving to explore and create computational artifacts. Students will apply the legal, ethical, and social responsibilities of computing. This course will prepare students to take the Advanced Placement® Computer Science Principles exam. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

0257 ADVANCED PLACEMENT® COMPUTER SCIENCE A

10 Credits

Description: Students will utilize object-oriented programming methodology for problem solving and algorithm development. This course also includes the study of data structures, design, and abstraction. Students will utilize object-oriented programming methodology for problem solving and algorithm development. This course also includes the study of data structures, recursion, best design practices, and abstraction. Students will apply the legal, ethical, and social responsibilities of computing. Completion of this course will prepare students to take the Advanced Placement® Computer Science exam.

Prerequisites: Computer Science Programming, Introduction to Computer Science, or Advanced Placement® Computer Science Principles

0573 CYBERSECURITY

5 Credits

Description: Students will investigate the practice of protecting systems, networks, and programs from digital attacks. The course will introduce broad tools and concepts applied to both offensive and defensive data management. Students will apply philosophical and computational thinking to a variety of cybersecurity practices that influence all individuals, corporations, and nations. Through a broad range of computer science topics, students will apply the legal, ethical, and social responsibilities of computing.

Prerequisites: Computer Science Programming, Introduction to Computer Science, or Advanced Placement® Computer Science Principles

0266 IB COMPUTER SCIENCE HL I

11

North only

10 Credits

Description: Computer Science HL I is year one of a two-year, rigorous and practical problem solving course, centered on the study of general purpose thinking machines. Students will apply philosophical and computational thinking to a variety of computing topics including: big data, networks, cyber security, algorithms, and the global impact technology has on society. This course also promotes the appreciation of the legal, ethical, and social responsibilities of computing.

Prerequisites: Computer Science Programming, Introduction to Computer Science, and completion of or concurrent enrollment in Algebra II

0267 IB COMPUTER SCIENCE HL II

12

North only

10 Credits

Description: Computer Science HL II is year two of a two-year, rigorous and practical problem solving course, centered on the study of pure logic and computational thinking. Students will develop skills in the art of designing algorithms which solve real problems. This will be supported by practical activities focused on programming in Java with emphasis on object-oriented programming. Students will design and create programs that dynamically respond to a wide variety input in a meaningful and purposeful way. This course also provides an introduction into data structures, recursion, and creating graphical user interfaces (GUI).

Prerequisites: IB Computer Science HL I

DIGITAL DESIGN PATHWAY

0570 DIGITAL MEDIA

5 Credits

Description: Students will create, design, and produce digital media. Emphasis will be placed on the effective use of industry standard tools for interactive multimedia production. Students will apply the legal, ethical, and social responsibilities of computing. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

0574 ADVANCED DIGITAL MEDIA

5 Credits

Description: Students will develop advanced skills to plan, design, and create interactive projects using elements of texts, graphics, and digital imaging. These skills will prepare students for entry-level positions in the digital design field. This course will focus on effective page layout, image creation and manipulation, interactivity, content creation, and project management. Students will apply the legal, ethical, and social responsibilities of computing.

Prerequisites: Digital Media

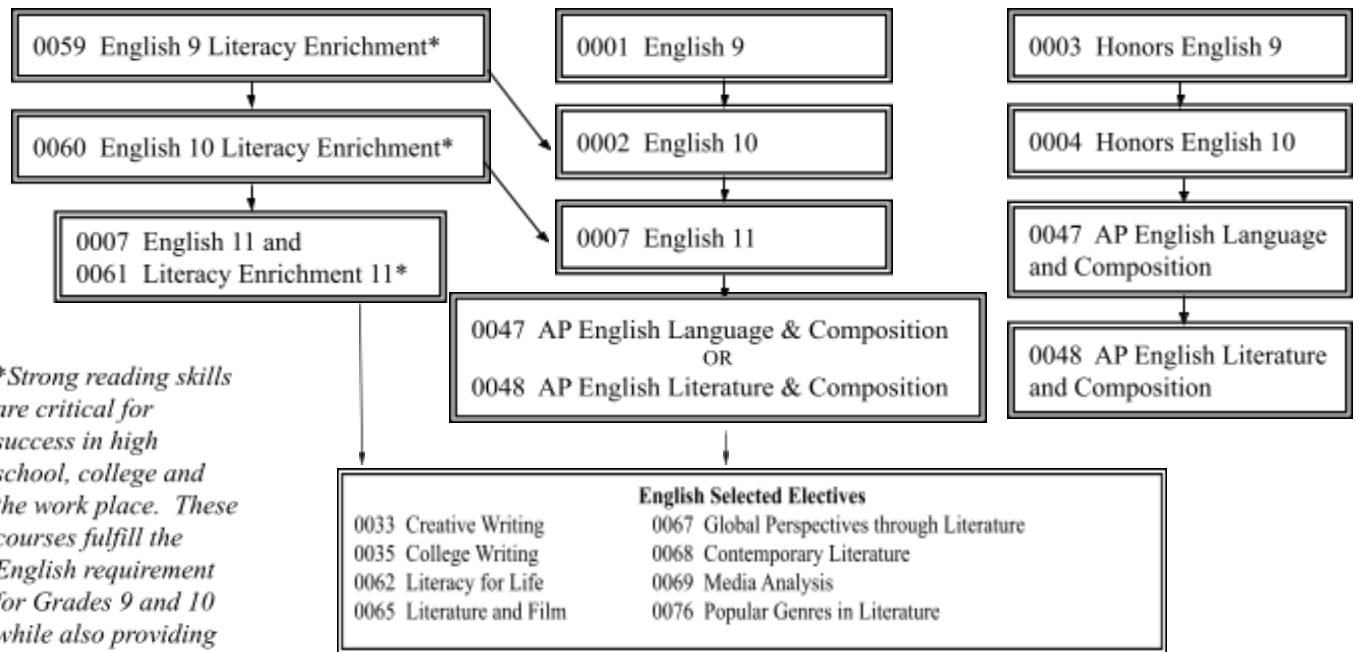
0568 DIGITAL PRODUCTION

5 Credits

Description: Students who have completed the Digital Design and/or the Business Technology sequence will pursue advanced pathway applications. Students will work independently or collaboratively to complete problem-based learning projects. Students will evaluate the client's needs to produce professional digital presentations. Finally, students will complete a capstone project or create a digital portfolio. The legal, ethical, and social responsibilities of computing will be stressed.

Prerequisites: Advanced Digital Media, Business Technologies OR Emerging Technologies

ENGLISH LANGUAGE ARTS Preferred Sequences



**Strong reading skills are critical for success in high school, college and the work place. These courses fulfill the English requirement for Grades 9 and 10 while also providing elective credits.*

Selected students who have the need for further development and improvement of reading and writing skills and strategies are recommended for these courses.

- | English Selected Electives | |
|----------------------------|---|
| 0033 Creative Writing | 0067 Global Perspectives through Literature |
| 0035 College Writing | 0068 Contemporary Literature |
| 0062 Literacy for Life | 0069 Media Analysis |
| 0065 Literature and Film | 0076 Popular Genres in Literature |

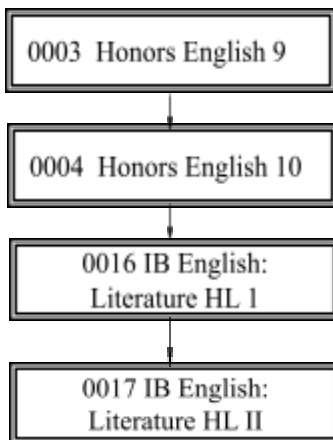
Oral Communications Graduation Requirement
Students must take at least one of the following in high school.

- 0020 Speech
- 0021 Forensics: Competitive Speech
- 0022 Debate
- 0023 Competitive Debate

At North High School the combination of IB Language A1 and IB Language B and Theory of Knowledge I and II fulfills this requirement.

When planning for post-secondary coursework, note that most universities require four full years of English. Speech or Debate may not count as English for some colleges.

Sequence for North High IB Students



Additional General Electives: Do not fulfill English credit:

- | | |
|---|--|
| <ul style="list-style-type: none"> 0013 Yearbook 0020 Speech 0021 Forensics: Competitive Speech 0022 Debate 0023 Competitive Debate 0024 Theatre and Performance I ** 0025 Theatre and Performance Advanced Studies 0026 Theatre Technology 0039 Theatre Appreciation** 0064 Introduction to Journalism, Photojournalism, and Broadcast Journalism 0066 Advanced Journalism 0077 Broadcast Journalism | <ul style="list-style-type: none"> 0073 IB Film SL * 0074 IB Film HL I* 0075 IB Film HL II* <p>*North High Only</p> |
|---|--|

**Fulfills Fine and Performing Arts requirement

ENGLISH LANGUAGE ARTS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ENGLISH LANGUAGE ARTS										
0001 A/B	English 9	10				*	*	*	*	*
0059 A/B	English 9 Literacy Enrichment	10/10			†	*	*	*	*	*
0003 A/B	Honors English 9	10				*	*	*	*	*
0002 A/B	English 10	10			0001 or 0059	*	*	*	*	*
0060 A/B	English 10 Literacy Enrichment	10/10			†	*	*	*	*	*
0004 A/B	Honors English 10	10			0003	*	*	*	*	*
0007 A/B	English 11	10			0002 or 0060	*	*	*	*	*
0061 A/B	Literacy Enrichment 11	10			†	*	*	*	*	*
0047 A/B	AP English Language and Composition	10			0004 or 0007	*	*	*	*	*
0048 A/B	AP English Literature and Composition	10			0004 or 0007	*	*	*	*	*
0016 A/B	IB English: Literature HL I	10	11		0004	*	*	*	*	*
0017 A/B	IB English: Literature HL II	10	12		0016	*	*	*	*	*
English Electives										
0033	Creative Writing	5			0004 or 0007	*	*	*	*	*
0035	College Writing	5			0004 or 0007	*	*	*	*	*
V0035	College Writing	5			0004 or 0007	*	*	*	*	*
0062	Literacy for Life	5			0007 or 0061	*	*	*	*	*
0065	Literature and Film	5			0004 or 0007	*	*	*	*	*
0067	Global Perspectives Through Literature	5			0004, 0007, or 0061	*	*	*	*	*
0068	Contemporary Literature	5			0004, 0007, or 0061	*	*	*	*	*
0069	Media Analysis	5			0004 or 0007	*	*	*	*	*
0076	Popular Genres in Literature	5			0004, 0007, or 0061	*	*	*	*	*
Oral Communications										
0020	Speech	5		OC		*	*	*	*	*
0021 A/B	Forensics: Competitive Speech	10		OC		*	*	*	*	*
0022	Debate	5		OC		*	*	*	*	*
0023 A/B	Competitive Debate	10		OC		*	*	*	*	*
Drama										
0024	Theatre and Performance I	5		F		*	*	*	*	*
0025	Theatre and Performance: Advanced Studies	5			0024	*	*	*	*	*
0026	Theatre Technology	5			0024 or 0039	*	*	*	*	*
0039	Theatre Appreciation	5		F		*	*	*	*	*
Journalism										
0064	Introduction to Journalism, Photojournalism, and Broadcast Journalism	5				*	*	*	*	*
0066 A/B	Advanced Journalism	10			0064+	*	*	*	*	*
0013 A/B	Yearbook	10			0064+	*	*	*	*	*
0077	Broadcast Journalism	5			0064	*	*	*	*	*
0073 A/B	IB Film SL	10	11-12			*	*	*	*	*
0074 A/B	IB Film HL I	10	11			*	*	*	*	*
0075 A/B	IB Film HL II	10	12		0074	*	*	*	*	*

F = Fulfills Fine and Performing Arts Graduation Requirement
 OC = Fulfills Oral Communications Graduation Requirement

† = See course descriptions for additional requirements.

Once the student has successfully completed Competitive Debate, Advanced Journalism, Broadcast Journalism, Forensics: Competitive Speech, Theatre and Performance: Advanced Studies, Theatre Technology, or Yearbook, the course may be repeated for elective credit (pending available space).

ENGLISH LANGUAGE ARTS

0001 ENGLISH 9

10 Credits

Introduction to Literature and Composition

Description: This course provides students with the opportunity to analyze, interpret, and respond to classic and contemporary literature including short stories, novels, poetry, drama, memoirs, film, non-fiction, and visual texts. Students will implement a variety of reading, writing, and speaking strategies to make thematic connections between classic and contemporary texts. Students will be introduced to analytical writing, writing in response to texts, and writing based on audience, purpose, and a range of structures.

Prerequisites: None

0002 ENGLISH 10

10 Credits

World Literature and Composition

Description: In World Literature and Composition, students will advance their language skills through reading, writing, speaking, and multiple literacies. Students will explore thematic connections between Western and World Literature using a multitude of texts including short stories, novels, poetry, non-fiction, drama, and visual and digital texts. Students will develop skills related to navigating complex texts, identifying and utilizing appropriate writing standards, and developing the research process. Students will analyze print and multimedia texts to prepare for the demands of the 21st century. Students will use literacy skills to create a variety of relevant products including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 9 or English 9 Literacy Enrichment

0003 HONORS ENGLISH 9

10 Credits

World Literature and Advanced Composition

Description: This course provides an advanced curriculum from Contemporary, Western, and World Literature that will advance language skills through reading, writing, speaking, and multiple literacies. Students will explore thematic connections between a multitude of texts including short stories, novels, poetry, non-fiction, drama, and visual and digital texts. In World Literature and Advanced Composition, students will develop skills related to navigating complex texts, analytical writing, and developing the research process. This course will develop culturally literate people who use academic discourse to communicate effectively. Students who take this course are expected to be self-motivated learners with strong reading, writing, and critical thinking skills.

Prerequisites: None

0004 HONORS ENGLISH 10

10 Credits

American Literature and Advanced Composition

Description: Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through diverse cultural, racial, and gender perspectives and voices in historical and contemporary literature. By analyzing the authors' views and social context, students will continue to develop skills related to navigating complex texts, analytical writing, and developing the research process. Students who take this course will have high levels of language competencies and enjoy an academic challenge.

Prerequisites: Honors English 9

0007 ENGLISH 11

10 Credits

American Literature and Composition

Description: Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors' views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 10 or English 10 Literacy Enrichment

0013 YEARBOOK**Stampede – NHS, The Patriot – SHS, Prowler – WHS**

10 Credits

Description: Make history! In this course, students will expand the skills of photography, layout and design, interviewing, and journalistic writing to capture the memories and tell the stories of the school year in a published yearbook. Attendance at school events outside of the regular school day is required. Student work can be submitted for local, state, and national contests, including the NSAA sponsored State Journalism Competition. The course may be repeated for elective credit.

Prerequisites: Intro to Journalism, Photojournalism, and Broadcast Journalism or permission from the instructor

0016 IB ENGLISH: LITERATURE HL I**11 North only**

10 Credits

Description: Students will focus exclusively on literary texts, adopting a variety of approaches to textual criticism. Students explore the nature of literature, the aesthetic function of literary language and textuality, and the relationship between literature and the world. Throughout both HL I and HL II, students will study 13 texts, at least four of which will be works written in translation by authors on the Prescribed Reading List, at least five of which will be works written in English, and at least four works freely chosen by the school. Students will learn about the various manifestations of literature as a powerful mode of writing across cultures and throughout history. They will explore and develop an understanding of factors that contribute to the production and reception of literature.

Prerequisites: Honors English 10

0017 IB ENGLISH: LITERATURE HL II**12 North only**

10 Credits

Description: Through close analysis of literary texts in a number of forms and from different times and places, students will consider their own interpretations, as well as the critical perspectives of others. In turn, this will encourage the exploration of how viewpoints are shaped by cultural belief systems and how meanings are negotiated within them. Students will be involved in processes of critical response and creative production, which will help shape their awareness of how texts work to influence the reader and how readers open up the possibilities of texts. Throughout both HL I and HL II, students will study 13 texts, at least four of which will be works written in translation by authors on the Prescribed Reading List, at least five of which will be works written in English, and at least four works freely chosen by the school. With its focus on literature, this course is particularly concerned with developing sensitivity to aesthetic uses of language and empowering students to consider the ways in which literature represents and constructs the world and social and cultural identities.

Prerequisites: IB English: Literature HL I

0020 SPEECH

5 Credits

Description: This is an introductory course designed to assist students in understanding and improving their skill in effective communication. Speech is a performance-based course that will allow students to apply the skills learned in class using a variety of activities, such as: public speaking, self-critique, and group work. In addition, all students will complete a mock job interview unit which assists in meeting graduation requirements. This course fulfills the Oral Communications Graduation Requirement.

Prerequisites: None

0021 FORENSICS: COMPETITIVE SPEECH

10 Credits

Description: Forensics is a two-semester course designed for students interested in competitive speaking and acting activities. This course is developed around competitive events sanctioned by the Nebraska School Activities Association (NSAA) and the National Speech and Debate Association (NSDA). Students will be exposed to researching, writing, and presenting speeches, along with analyzing and performing works of literature. Students will be expected to compete in tournaments, a majority of which will take place on weekends. In addition, all students will complete a mock job interview unit which assists in meeting graduation requirements. Upon successful completion, this course may be repeated for elective credit (pending available space and instructor approval). This course fulfills the Oral Communications Graduation Requirement.

Prerequisites: None

0022 DEBATE

5 Credits

Description: Debate is a semester course designed to introduce students to the theory and practice of academic debate. The course will focus on argumentation, research, and delivery skills. In-class debate will be used to measure student understanding and application of skills. In addition, all students will complete a mock job interview unit which assists in meeting one of the Personal Learning Plan (PLP) graduation requirements. Students who enjoy competitive debate may choose to join the debate team, but doing so is not mandatory for this course. This course fulfills the Oral Communications Graduation Requirement.

Prerequisites: None

0023 COMPETITIVE DEBATE

10 Credits

Description: Competitive Debate is a one or two semester course designed for teaching advanced argumentation practice to members of the debate team. Instruction will focus on competitive debate strategies, advanced research and writing skills, and persuasive techniques. Students will be challenged to realize their individual debate potential. Students are required to participate in debate tournaments which often take place on weekends. In addition, all students will complete a mock job interview unit which assists in meeting graduation requirements. Upon successful completion, this course may be repeated for elective credit (pending available space). This course fulfills the Oral Communications Graduation Requirement.

Prerequisites: None

0024 THEATRE AND PERFORMANCE I

5 Credits

Description: This is a performance-based survey course designed to introduce students to many different aspects of theatre. Units include acting, script analysis, theatre history, and an overview of technical theatre. The acting unit consists of individual and group in-class performances, regular participation in acting exercises, and memorized scenes and monologues. Students will engage in script analysis, character analysis, analysis of the production process and viewed performances. The theatre history unit may include the origins of storytelling and evolution of the theatre, while the overview of technical theatre may include scenery, lighting, sound, and/or costuming/makeup. Successful completion of performances and projects is a course requirement. This course fulfills the Fine and Performing Arts Graduation Requirement and serves as a prerequisite for Theatre Performance: Advanced Studies and Theatre Technology.

Prerequisites: None

0025 THEATRE AND PERFORMANCE: ADVANCED STUDIES

5 Credits

Description: This is a performance-based course designed to further develop skills in theatre from production process to performance. Students will gain a deeper understanding of script and production processes, acting and audition techniques, and theatre history. Students may also be introduced to directing techniques, acting theory, theatre periods, acting and musical theatre styles, and viewed performances. Successful completion of performances and projects is a course requirement. A public performance may be a component of this course. Students who have successfully completed this course may repeat it for elective credit (pending available space).

Prerequisites: Theatre and Performance I

0026 THEATRE TECHNOLOGY

5 Credits

Description: This is a course designed for students who wish to pursue knowledge of technical theatre and theatrical design. It emphasizes the backstage elements of theatre production including theatre safety, set design and construction techniques, scene painting, properties, lighting, costume/makeup design, stage management, and theatre administration skills. Students will gain hands-on experience with current theatre technologies including: the use of construction/power tools, computer-based set/light/sound design programs, as well as an electronic portfolio. Hands-on lab instruction and technical projects are a course requirement. Students may be required to attend and/or participate in a technical capacity for a production or performance outside of class. Students who have successfully completed this course may repeat it for elective credit (pending available space).

Prerequisites: Theatre and Performance I or Theatre Appreciation

0033 CREATIVE WRITING

5 Credits

Description: Creative Writing is a semester long, advanced writing course for students who enjoy writing and want to improve their composition skills. Students will be required to write and read daily. Students will maintain a writer's notebook where they will experiment with a variety of writing genre; these genres may include but are not limited to short stories, poetry, and script writing. Creative writers are, by nature, readers and will read and analyze short stories and poetry as guides to develop their own writing. Students will be required to share their writing in small groups and with the class.

Prerequisites: Honors English 10 or English 11

0035 COLLEGE WRITING

5 Credits

Description: College Writing is a course designed to prepare students for writing and independent research at the collegiate level. Practice in academic inquiry and the proper method for organizing, researching, and writing a formal research paper are emphasized in this course. Because organizational skills and time management are important when working to meet deadlines for this course, this class is best suited for independent workers and motivated students.

Prerequisites: Honors English 10 or English 11

V0035 COLLEGE WRITING**11-12**

5 Credits

Description: This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration. If you are in the Early College High School program, check with your counselor or academic advisor on the eligibility of the course to meet Early College criteria.

College Writing is a course designed to prepare students for writing and independent research at the collegiate level. Practice in academic inquiry and the proper method for organizing, researching, and writing a formal research paper are emphasized in this course. Because organizational skills and time management are important when working to meet deadlines for this course, this class is best suited for independent workers and motivated students.

Prerequisites: Honors English 10 or English 11

0039 THEATRE APPRECIATION

5 Credits

Description: This non-performance course will assist in the understanding and appreciation of theatrical elements in the world around us. Units may include overviews of stage, film, television and radio characteristics; scenery, lighting, sound, and/or costuming/make-up; script and character analysis; analysis of viewed performances, and theatre history. Successful completion of projects is a course requirement. This course satisfies the Fine and Performing Arts Graduation Requirement and also counts as a prerequisite to Theatre Technology. Students interested in a performance-based course should refer to Theatre and Performance I.

Prerequisites: None

0047 ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION

10 Credits

Description: Advanced Placement® English Language and Composition is a course for 11th and 12th grade students who are interested in pursuing rigorous advanced studies in language arts with a focus on close reading of non-fiction texts from a variety of periods, disciplines, and rhetorical contexts. Students will develop college level writing skills in the modes of exposition, analysis, and argumentation. Students will read and write with the intention to become informed citizens in order to engage in consequential conversations, projects, and writings about meaningful topics. Students will utilize outside sources from a variety of perspectives in order to make their own reasonable and informed contributions. Students will improve academic voice in their own writing through experimentation with various grammatical constructions, use of academic diction, and development of tone. Completion of this course will prepare students to take the Advanced Placement® English Language and Composition exam.

Prerequisites: Honors English 10 or English 11

0048 ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION

10 Credits

Description: Advanced Placement® English Literature and Composition is a course for 11th and 12th grade students interested in pursuing rigorous advanced studies in language arts with a focus on close reading of works of literary merit, including poetry, short stories, novels, and drama. Texts will be considered in historical context as well as through various lenses of interpretation. In addition, students will analyze literature focusing on how writers create meaning through literary techniques such as structure, style, theme, figurative language, imagery, symbolism, and tone. This course builds on literary analysis skills, which students will demonstrate through a variety of mediums. Students will improve academic voice in their own writing through experimentation with various grammatical constructions, use of academic diction, and development of tone. Completion of this course will prepare students to take the Advanced Placement® English Literature and Composition exam. In addition, students will have the opportunity to dual enroll through the University of Nebraska at Omaha for three college credits per semester. AP Literature and Composition is a rigorous, capstone course. Students who complete Advanced Placement® Language and Composition as juniors will be best prepared to succeed in this college-level course.

Prerequisites: Honors English 10 or English 11

0059 ENGLISH 9 LITERACY ENRICHMENT

10 English Credits/10 Elective Credits

Description: English 9 Literacy Enrichment is a skill building and study skills course designed for 9th grade students who need more practice with reading as evidenced by prior assessment results and literacy abilities demonstrated during middle school. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading and writing so that students can successfully complete the English 9 curriculum, gain strategies and skills needed for future success, and meet the standards on district reading and writing tests.

Prerequisites: Need for reading improvement; placement recommendation from Building Data Team

0060 ENGLISH 10 LITERACY ENRICHMENT

10 English Credits/10 Elective Credits

Description: English 10 Literacy Enrichment is a skill building and study skills course designed for 10th grade students who need more practice with reading as evidenced by prior assessment results, including standardized test scores, and literacy abilities demonstrated in ninth grade. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading so that students can successfully complete the English 10 curriculum, gain strategies and skills needed for future success, and meet the standards on district reading tests.

Prerequisites: Need for reading improvement; either English 9 or English 9 Literacy Enrichment

0061 LITERACY ENRICHMENT 11

10 Elective Credits

Description: Literacy Enrichment is a skill building and study skills course designed for 11th grade students who need more practice with reading as evidenced by previous assessment results. This course uses best practices in building reading skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading so that students gain literacy strategies and skills needed for future success and meet the standards on district and state reading assessments. This course will focus more on building additional reading skills and is taken in addition to the required English 11 course.

Prerequisites: Need for reading skills improvement; either English 10 or English 10 Literacy Enrichment

0062 LITERACY FOR LIFE

5 Credits

Description: Literacy for Life is a one semester course designed for students who are looking to improve literacy skills while preparing for future careers. Coursework includes the everyday skills required in professional and workplace communication. Students will also read literary and informational text to explore its relevance to their lives and to realize the impact each person has on a community.

Prerequisites: English 11 or Literacy Enrichment 11

0064 INTRODUCTION TO JOURNALISM, PHOTOJOURNALISM, and BROADCAST JOURNALISM

5 Credits

Description: Explore all aspects of journalism with this introductory course. Students will learn the skills needed to be a student journalist by taking and editing photos, filming and editing news and feature videos, writing journalistically, and designing newspaper and yearbook layouts. Successful completion of this course is required for students who wish to take Yearbook, Advanced Journalism, or Broadcast Journalism courses.

Prerequisites: None

0065 LITERATURE AND FILM

5 Credits

Description: Students will analyze literature and companion films in order to understand the complex decision making necessary for adaptation. Students will read short stories, novels, and/or plays from a variety of genres. Possible genres include: Comedy/Romantic Comedy, Thriller/Mystery/Film Noir, Western/Action & Adventure, Science Fiction/Fantasy, and "Based on a True Story." This course will focus on introducing film terminology, structure, history, and film as a literature form. Students will apply close reading skills in order to produce analytical writing. Students will be assessed using methods including, but not limited to, essays and critical-thinking activities.

Prerequisites: Honors English 10 or English 11

0066 ADVANCED JOURNALISM

10 Credits

Hoofbeat – North HS, Common Sense – South HS, Catalyst – West HS

Description: Get published! Students will be the voice of the student body as they tell the stories of the school, express opinions, and go in-depth on topics of interest. Students will also hone their skills in photography, layout and design, and interviewing. The stories may be published through a variety of mediums such as online, print, social media, broadcast, and podcast. Attendance at school events outside of the regular school day may be required. Student work can be submitted for local, state and national contests, including the NSAA sponsored State Journalism Competition. The course may be repeated for elective credit.

Prerequisites: Intro to Journalism, Photojournalism, and Broadcast Journalism or permission from the instructor

0067 GLOBAL PERSPECTIVES THROUGH LITERATURE

5 Credits

Description: Global Perspectives Through Literature is a course that continues to develop the skills established in previous English courses. Students will study a variety of texts, including short stories, novels, poetry, drama, memoirs, graphic novels, film, and images from countries other than the United States and Western Europe. Students will be exposed to a range of thematic units that focus on diverse perspectives and voices from around the world. Students will be assessed using a variety of methods, including essays, presentations, and critical-thinking activities.

Prerequisites: Honors English 10, English 11, or Literacy Enrichment 11

0068 CONTEMPORARY LITERATURE

5 Credits

Description: Contemporary Literature is a course that will engage students in a focused study of contemporary literature written over the last two decades. Students will critically examine why different genres of contemporary literature appeal to different readerships, how and why different readers determine if a book is worth reading, and the role that literature may play in their lives. Students will study critically-acclaimed fiction and nonfiction selections and will be expected to read a minimum of five novels, at least two as a whole class, some in small groups, and some independently, during the semester. Students will rigorously respond to text through a variety of methods, including, but not limited to, discussion, essays, critical-thinking activities, journals, and blogs.

Prerequisites: Honors English 10, English 11, or Literacy Enrichment 11

0069 MEDIA ANALYSIS

5 Credits

Description: This course is an introduction to mass media: what it is, how it affects us, and how we react to it. This course requires nonfiction readings (e.g., essays, articles, political writing, science writing, nature writing, autobiographies/biographies, diaries, history, criticism) to identify and explain an author's use of rhetorical strategies and techniques. Students will access, analyze, and create messages in a variety of media forms. Students will apply critical analysis skills to media messages in order to become more informed citizens and independent thinkers. Students will write for a variety of audiences, both in creation of their own media products, and analysis of media messages (compare/contrast, cause/effect, and analysis pieces). The course will incorporate research skills in an effort to evaluate, use, and cite primary and secondary sources.

Prerequisites: Honors English 10, English 11, or Literacy Enrichment 11

0073 IB FILM SL

11-12

North only

10 Credits

Description: Film is both a powerful communication medium and an art form. This one-year film course aims to develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic, and production skills with film-making.

Prerequisites: None

0074 IB FILM HL I

11

North only

10 Credits

Description: Film is both a powerful communication medium and an art form. This first year film course of a two year program aims to develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic, and production skills with film-making.

Prerequisites: None

0075 IB FILM HL II

12

North only

10 Credits

Description: Film is both a powerful communication medium and an art form. This second year film course builds on the first year course of study and aims to further develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences, and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic, and production skills with film-making.

Prerequisites: IB Film HL I

0076 POPULAR GENRES IN LITERATURE

5 Credits

Description: This course will examine popular genres throughout the ages. Students will enjoy reading, writing about, responding to, and discussing short stories and novels -- contemporary and classics. Selections will come from the following focus genres: sports literature, crime and detective collections, fantasy, action/adventure, dystopian/science-fiction, and creative nonfiction. This class will be assessed using a variety of methods, including, but not limited to, essays, presentations, journals, and creative critical thinking activities.

Prerequisites: Honors English 10, English 11, or Literacy Enrichment 11

0077 BROADCAST JOURNALISM

5 Credits

Description: Students will create projects in a variety of media, such as video broadcast, website, podcast, and social media. Students will expand their media skills of photography and videography, interviewing, reporting, writing, and editing to create professional products while meeting deadlines. Attendance at school events outside of the regular school day is required. Student work can be submitted for local, state, and national contests, including the NSAA sponsored State Journalism Competition. The course may be repeated for elective credit.

Prerequisites: Intro to Journalism, Photojournalism, and Broadcast Journalism or permission from the instructor

ENGLISH LEARNER (EL)

MILLARD SOUTH AND MILLARD WEST

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ENGLISH LEARNER										
Beginning English Learner										
EL01 A/B	EL Beginning Reading	10			†				*	*
EL02 A/B	EL Beginning Writing	10			†				*	*
EL03 A/B	EL Beginning Communication	10			†				*	*
Emerging English Learner										
EL04 A/B	EL Emerging Reading	10			†				*	*
EL05 A/B	EL Emerging Writing	10			†				*	*
EL06 A/B	EL Emerging Communication	10			†				*	*
Progressing English Learner										
EL07 A/B	EL Progressing Literacy	10			†				*	*
EL08 A/B	EL Progressing Communication	10			†				*	*
Advanced English Learner										
EL09 A/B	EL Advanced Literacy and Communication I	10			†				*	*
EL10 A/B	EL Advanced Literacy and Communication II	10			†				*	*
Other English Language Development Courses										
EL11	ELD Computer Literacy	5		T					*	*
EL12	ELD Health	5		H					*	*
EL14	ELD Mathematics	5							*	*
EL15	ELD Financial Literacy	5		FL					*	*
EL16	ELD Adult Living	5		HR					*	*

- F = Fulfills Financial Literacy Graduation Requirement
H = Fulfills Health Education Graduation Requirement
HR = Fulfills Human Resources Graduation Requirement
T = Fulfills Technology Education Graduation Requirement
† = See course descriptions for additional requirements

ENGLISH LEARNER (EL)

***Beginning English Learner** courses are for students who are new arrivals to the United States or are in the beginning stages of acquiring the English language. Students are placed in beginning level courses based on their score on the English Language Proficiency Assessment or Screener. Beginning English Learners are typically a Level 1 in English proficiency. Through common themes presented in each of the three courses, students will learn basic vocabulary, read short texts, produce basic oral and written responses about topics and events happening in their everyday lives, and practice short, realistic conversational exchanges.*

EL01 EL BEGINNING READING

10 Credits

Description: In this course, EL students will develop their literacy skills through a variety of reading activities. Students will learn strategies to support their development as active and critical readers and will explore a variety of text types including both fiction and informational texts. Using context clues, visual aids, and the understanding of how words are formed in their first language, students will learn to determine the meaning of words and phrases.

EL02 EL BEGINNING WRITING

10 Credits

Description: Students in this course will begin to identify key words and phrases in written text. They will participate in written exchanges of information on familiar topics. Students will learn to recognize and use frequently occurring nouns, verbs, conjunctions, and prepositions in their writing. With support, the beginning EL student will write about literary and informational texts and be able to express an opinion or idea.

EL03 EL BEGINNING COMMUNICATION

10 Credits

Description: In this course, EL students learn English vocabulary, grammar, and sentence structure to assist them in the development of academic, cultural, and life skills. Students will learn to identify key words and phrases in oral communication and participate in short conversations. They will practice communicating information about familiar texts, topics, and experiences. With support, the beginning EL student will use accurate English to communicate in grade-appropriate speech.

Emerging English Learner courses are for students who are still developing grade-level English skills. Students in Emerging English Learner courses have a limited comprehension of the English language and need additional support. Emerging English learners are often at a Level 2 in English proficiency. Students will continue to develop their reading, writing, speaking, and listening skills through more complex topics and themes. Students will read and comprehend grade-appropriate short texts, begin to understand the writing process, and engage in academic conversation and dialogues.

EL04 EL EMERGING READING

10 Credits

Description: In this course, EL students will expand their reading skills in order to become more mature readers. Students will apply a variety of reading strategies to determine the main ideas and summarize key points of the text.

EL05 EL EMERGING WRITING

10 Credits

Description: Students in this course will expand their writing skills by creating original compositions of varying lengths, styles, and types. With support, they will compose written narratives or informational texts. They will learn to construct a claim about familiar topics and give reasons to support their claim. They will learn to produce simple and compound sentences and use common linking words to connect events.

EL06 EL EMERGING COMMUNICATION

10 Credits

Description: The emerging English speakers will use expanding strategies to retell key details orally. They will continue to grow their English vocabulary of both conversational and academic words in order to participate in short conversations and respond to questions. Students will use frequently occurring verbs, nouns, adjectives, adverbs, prepositions, and conjunctions to communicate.

Students in Progressing English Learner courses have a fair to good comprehension of the English language but are still in need of additional language support. EL students at this level continue to develop conversational and academic skills that allow them to participate in dialogue, express their own ideas, and respond to the ideas and questions of others. Progressing English Learners are typically at a Level 3 in English proficiency.

EL07 EL PROGRESSING LITERACY

10 Credits

Description: This course is designed for intermediate English learning students to continue progressing in the language domains of reading and writing. The course focus is to continue the development of English vocabulary and the understanding of grammatical structures. Students will develop further comprehension skills through fluency, summarizing, and sequencing events in a reading passage. They will use strategies such as recognizing text structures, using text features to locate information in textbooks, and use context clues to assist in comprehension. Students will continue to expand their writing capabilities through the practice of writing five paragraph essays and other larger writing tasks.

EL08 EL PROGRESSING COMMUNICATION

10 Credits

Description: This course is designed for intermediate English learning students to continue progressing in the language domains of speaking and listening. Students will further develop communication skills through participating in classroom discussions, conversations, and oral presentations with fewer supports. Students in this course will strengthen their ability to express their own ideas using more content specific and academic language.

*Students taking the **Advanced English Learner** courses are typically at Levels 4 or 5 in English proficiency. Students taking these courses are participating in grade-appropriate oral and written exchanges of information and are cementing their knowledge of academic vocabulary in order to ask and answer questions that clarify ideas and conclusions. Students are nearing proficiency in speaking, listening, reading, and writing in English.*

EL09 EL ADVANCED LITERACY AND COMMUNICATION I

10 Credits

Description: Students in this course are nearing grade-level English language skills. Students will continue to interact and engage with grade-level texts to continue to advance their English grammar and vocabulary skills. Students will produce and present written and oral essays that demonstrate their ability to use the English language through speaking and writing.

EL10 EL ADVANCED LITERACY AND COMMUNICATION II

10 Credits

Description: This course is designed for students who are nearly proficient in the English language. The focus will be increased fluency in reading and comprehending more advanced materials in order to be successful in content classes. Students will develop comprehension strategies and build vocabulary skills, as well as develop the capacity for written and oral responses to a variety of informational texts and longer narrative books and passages.

EL11 ELD COMPUTER LITERACY

5 Credits

Description: Students will integrate basic computing into their educational experience. The Millard Public Schools Communication and Information Systems curriculum provides students with opportunities to develop, utilize, and evaluate appropriate digital citizenship, essential technology, and computational productivity skills by the use of emerging technologies to thrive in a diverse, digital world. Students will think analytically and manipulate information using productivity software. Students will demonstrate digital citizenship while practicing professional communication techniques by collaborating and communicating via the Internet. Students will apply the legal, ethical, and social responsibilities of computing. The intent of the course is to introduce tech skills to be further developed and applied within the content of the other courses. This course fulfills the Technology Education Graduation Requirement for EL students.

Prerequisites: Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

EL12 ELD HEALTH

5 Credits

Description: Students will investigate concepts to support healthy living. Topics include: decision making, healthy eating and nutrition, sexual health, harmful substances, emotional health, and community resources. Students will practice critical thinking regarding their personal lives and apply problem solving and decision-making skills to deal with societal pressures. The theme throughout the course is abstinence from risky behaviors. In this course, the Millard Public Schools Character Traits: Trustworthiness, Responsibility, Respect, and Citizenship are incorporated into lessons and student activities. The ELD Health course will fulfill the Health Education graduation requirement for EL students. The curriculum meets local, state, and federal mandates for dating violence, drug education, health education, Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED) training.

Current Board policy enables parents/guardians to request, for philosophical, religious, or ideological reasons, that their child be excused from units within this course or this graduation requirement. Students excused from ELD Health would register for one of the Human Resource courses and provide proof of CPR/AED instruction within Millard Public Schools as a replacement. This replacement course, along with the current requirement that all students take one of the Human Resource courses, means that students excused from ELD Health will be required to take two of the Human Resource courses to fulfill the graduation requirement. Parents/Guardians should contact the principal's office for direction and assistance.

Prerequisites: Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

EL14 ELD MATHEMATICS

5 Credits

Description: EL students taking this course have had limited or interrupted instruction in mathematics. In this course students will demonstrate, represent, and show relationships among whole numbers, fractions, decimals, percents, and integers within the base-ten number system. Students will demonstrate the meaning of operations and compute accurately with whole numbers, fractions, and decimals. They will apply the operational properties when adding and subtracting. In addition, students will demonstrate, represent, and show relationships with expressions and equations.

Students will identify and describe geometric characteristics and create two- and three-dimensional shapes. They will determine location, orientation, and relationships on the coordinate plane. Students will perform and compare measurements and apply formulas.

Prerequisites: Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

EL15 ELD FINANCIAL LITERACY

5 Credits

Description: Students will learn the skills necessary to manage their financial resources for lifetime financial security. The goal of ELD Personal Finance is to help students to become financially responsible, conscientious members of society as they adjust to the monetary and financial systems in the United States. This course develops students' understanding and skills in areas such as financial goal setting, buying goods and services, banking and savings, using credit, investment, and protection management. This course fulfills the Financial Literacy Graduation Requirement.

Prerequisites: Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

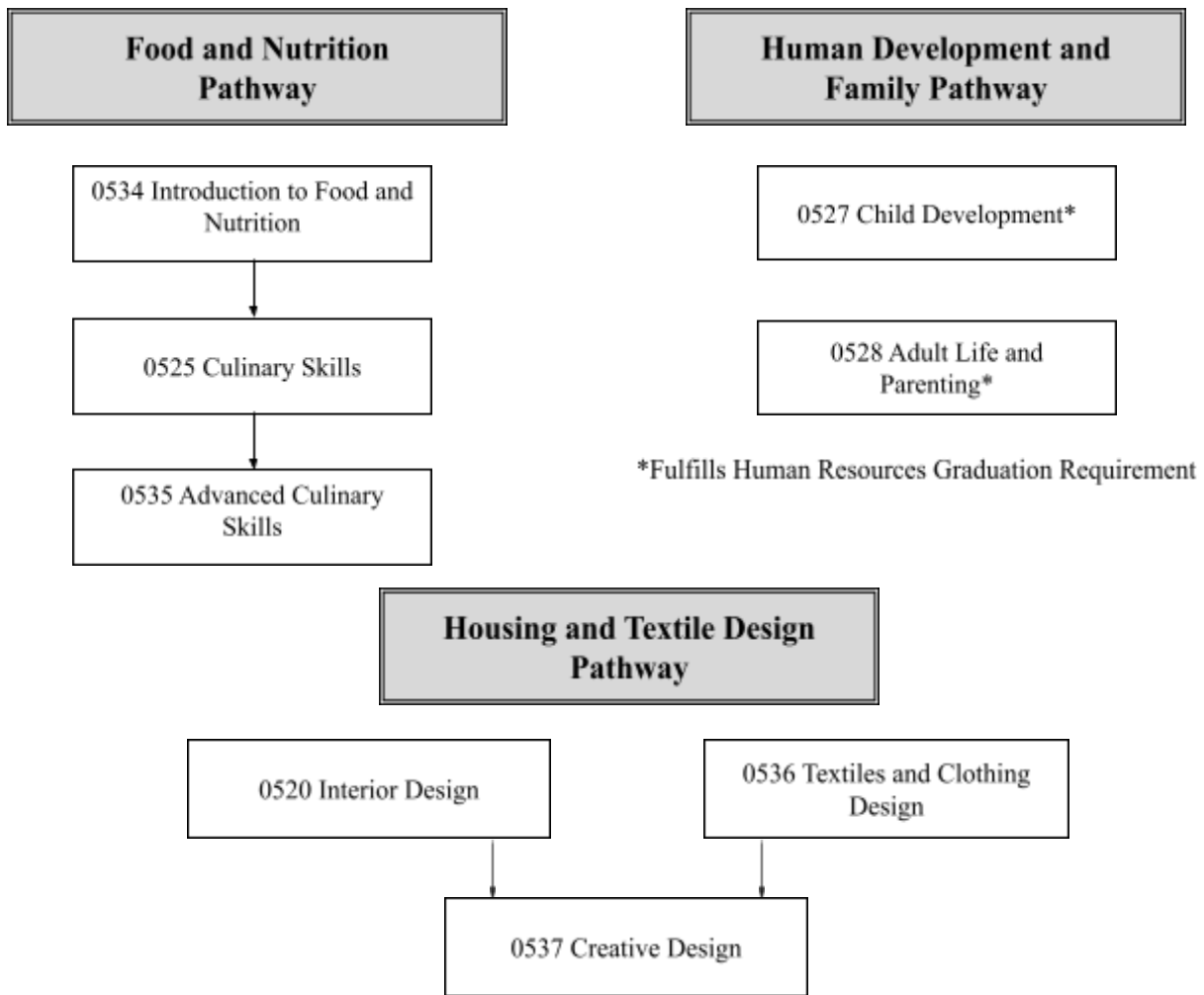
ELD16 ELD ADULT LIVING

5 Credits

Description: Students will examine the many factors that impact human growth and development throughout a lifespan. Activities will focus on life events, resource management, and the support systems required for all people. Through various speaking, listening, reading and writing activities students will learn how to enhance interpersonal relationships and understand the effect of these relationships on families, work, and society. This course fulfills the Human Resources Graduation Requirement.

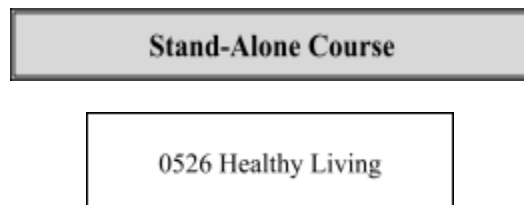
Prerequisites: Identification as an EL student with limited or interrupted school experience and approval by EL Department Head and Building Administrator

FAMILY AND CONSUMER SCIENCES



Students who have enrolled in Family and Consumer Sciences courses may participate in Family, Career and Community Leaders of America (FCCLA).

Materials for basic projects will be provided; however, students with select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced meal waivers should discuss costs with their instructors.



Healthy Living is required of all students to meet state-mandated health education requirements. This course must be taken before the start of 12th grade, 10th grade preferred.

FAMILY AND CONSUMER SCIENCES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
FAMILY AND CONSUMER SCIENCES										
Food and Nutrition Pathway										
0534	Introduction to Food and Nutrition	5					*	*	*	*
0525	Culinary Skills	5			0534		*	*	*	*
0535	Advanced Culinary Skills	5			0525		*	*	*	*
Housing and Textile Design Pathway										
0520	Interior Design	5					*	*	*	*
0536	Textiles and Clothing Design	5					*	*	*	*
0537	Creative Design	5			0520 or 0536		*	*	*	*
Human Development and Family Pathway										
0527	Child Development	5		HR			*	*	*	*
0528	Adult Life and Parenting	5		HR			*	*	*	*
Stand-Alone Course										
0526	Healthy Living	5	9-11	H			*	*	*	*

H = Fulfills Health Education Graduation Requirement
 HR = Fulfills Human Resources Graduation Requirement

FAMILY AND CONSUMER SCIENCES

FOOD AND NUTRITION PATHWAY

- 0534 INTRODUCTION TO FOOD AND NUTRITION** 5 Credits
Description: Students will learn the basics of nutrition, food preparation and dietary decision-making utilizing digital resources and laboratory experiences. Students will incorporate skills to impact their present and future health and well-being.
Prerequisites: None
- 0525 CULINARY SKILLS** 5 Credits
Description: Students will develop skills in safety, sanitation and basic food preparation techniques required in food preparation. This course is designed for students who want to expand their food preparation skills and/or pursue a career in culinary arts, food service, or the hospitality industry.
Prerequisites: Introduction to Food and Nutrition
- 0535 ADVANCED CULINARY SKILLS** 5 Credits
Description: Students will advance their food preparation skills while applying management principles needed for the Food Service and Hospitality profession. This course will emphasize gourmet specialties, garnishes, and cultural influences.
Prerequisites: Culinary Skills

HOUSING AND TEXTILE DESIGN PATHWAY

0520 INTERIOR DESIGN

5 Credits

Description: Students will evaluate and create floor plans for residential spaces. Students will utilize the elements and principles of design to create aesthetically pleasing spaces while considering functionality and eco-friendly design. Interior design is a project-oriented class that will use technology to enhance learning.

Prerequisites: None

0536 TEXTILES AND CLOTHING DESIGN

5 Credits

Description: Students will learn clothing construction techniques and garment design while working individually and collaboratively. Students will research careers in the textile, clothing, and design industry to explore employment and entrepreneurial endeavors. Students will design and create their own textile project using digital sewing equipment and patterns.

Prerequisites: None

0537 CREATIVE DESIGN

5 Credits

Description: Students will be using reasoning skills to solve practical real-world problems in the areas of fashion design and interior design. Students will create individualized design projects to be documented in a professional portfolio.

Prerequisites: Interior Design or Textiles and Clothing Design

HUMAN DEVELOPMENT AND FAMILY PATHWAY

0527 CHILD DEVELOPMENT

5 Credits

Description: Students will explore the physical, social, emotional, and intellectual factors that relate to the developing child from prenatal to age five. This course will develop personal skills while also preparing students for child-related career fields by interacting with children, learning from guest speakers, and participating in problem-based scenarios. Students considering participating in the Education Academy sequence will take this course in 11th or 12th grade. This course fulfills the Human Resources Graduation Requirement.

Prerequisites: None

0528 ADULT LIFE AND PARENTING

5 Credits

Description: Students will analyze factors that influence human growth and development through a lifespan. Class activities will focus on impacts of life events, resource management, and support systems required throughout life. The course helps students enhance interpersonal relationships and understand the effect of these relationships on families, work, and society. This course fulfills the Human Resources Graduation Requirement.

Prerequisites: None

STAND-ALONE COURSE

0526 HEALTHY LIVING

9-11 (10th grade preferred)

5 Credits

Description: Students will investigate concepts to support healthy living. Topics include self-concept, drug use and abuse, loss, death, depression, suicide, violence, stress, aging, friendships, dating, human sexuality, and digital citizenship. Students will practice critical thinking regarding their personal lives and apply problem solving and decision-making skills to deal with societal pressures. The theme throughout the course is abstinence from risky behaviors. In this course, the Millard Public Schools Character Traits: Trustworthiness, Responsibility, Respect, and Citizenship are incorporated into lessons and student activities. Healthy Living fulfills the Health Education Graduation Requirement. The curriculum meets local, state, and federal mandates for dating violence, drug education, health education, Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED) training.

Current Board policy enables parents/guardians to request, for philosophical, religious, or ideological reasons, that their son/daughter be excused from units within this course or this graduation requirement. Students excused from Healthy Living would register for one of the Human Resources courses and provide proof of CPR/AED instruction within Millard Public Schools as a replacement. This replacement course is in addition to the required Human Resources course and means that students excused from Healthy Living will be required to take two Human Resources courses. Parent/Guardian should contact the principal's office for direction and assistance.

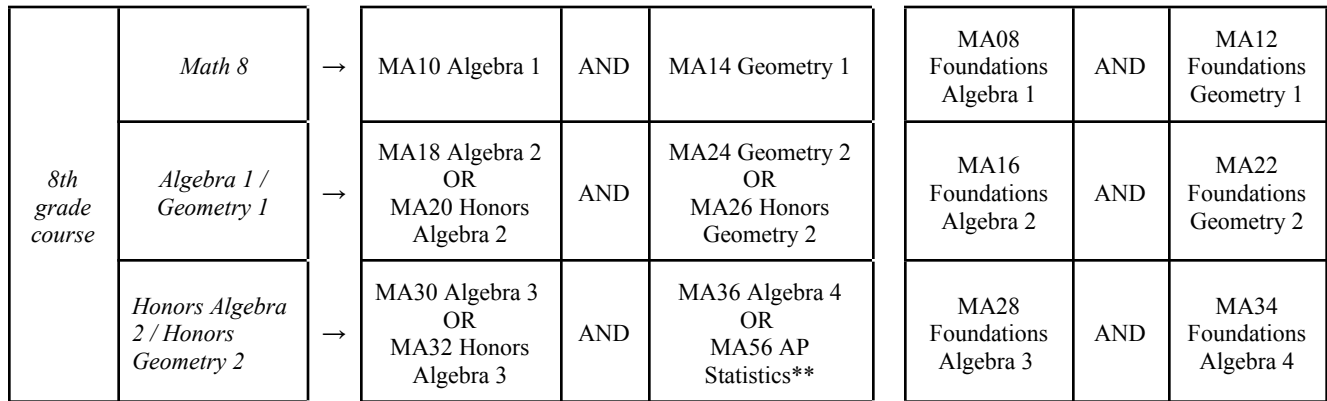
Prerequisites: None

MATHEMATICS

A student's 8th grade math course determines where a student enters this flowchart in 9th grade.

*** Building Data Review Team recommendation is required for Foundations pathway placement.** Students who complete all Foundations courses fulfill the Algebra II requirement of most colleges. However, students may need to complete an additional course beyond Algebra II for college admission. Please meet with your guidance counselor to plan accordingly.

****Advanced Placement (AP) Statistics can be taken any time after successful completion of Algebra 2, and concurrently with Algebra 3 or Honors Algebra 3 or another mathematics course.**



Electives for those interested in a STEM field:	
Course	Credits
MA56 AP Statistics	10
MA54 AP Precalculus	10
MA58 AP Calculus AB	10
MA60 AP Calculus BC	10
MA62 Calculus II & Advanced Topics	10
MA64 Calculus III & Differential Equations	10

Electives for those interested in a non-STEM field:	
Course	Credits
MA56 AP Statistics	10
MA52 College Algebra	10
MA38 Trigonometry	5
MA40 Discrete Mathematics	5
MA42 Sports Math & Game Theory	5
MA44 Math in the Arts	5
MA46 Math for Life	5

Electives for those interested in the skilled trades, military, or workforce:	
Course	Credits
MA56 AP Statistics	10
MA52 College Algebra	10
MA42 Sports Math & Game Theory	5
MA44 Math in the Arts	5
MA46 Math for Life	5
MA48 Skilled and Technical Math	5
MA50 Modular Mathematics	10

Millard North High School IB Diploma Programme Students Only

Algebra II or 0233 Honors Algebra II OR MA30 Algebra 3 or MA32 Honors Algebra 3 AND MA36 Algebra 4: Probability & Statistics	0238 Precalculus OR 0239 Honors Precalculus OR MA54 AP Precalculus
MA74 IB Mathematics Applications & Interpretations SL	

0238 Precalculus OR 0239 Honors Precalculus OR MA54 AP Precalculus	
MA66 IB Mathematics Analysis & Approaches HL I	MA70 IB Mathematics Applications & Interpretation HL I
MA68 IB Mathematics Analysis & Approaches HL II	MA72 IB Mathematics Applications & Interpretation HL II

MATHEMATICS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horiz on High School	North High School	South High School	West High School
MATHEMATICS										
MA02	Algebra 1 Enrichment	5			†			*	*	*
MA04	Algebra 2 Enrichment	5			†			*	*	*
MA06	Algebra 3 Enrichment	5			†			*	*	*
MA08	Foundations Algebra 1	5			†	*	*	*	*	*
MA10	Algebra 1	5				*	*	*	*	*
MA12	Foundations Geometry 1	5			†	*	*	*	*	*
MA14	Geometry 1	5			211	*	*	*	*	*
MA16	Foundations Algebra 2	5			MA08†	*	*	*	*	*
MA18	Algebra 2	5			MA08 or MA10	*	*	*	*	*
MA20	Honors Algebra 2	5			MA10	*	*	*	*	*
MA22	Foundations Geometry 2	5			MA12†	*	*	*	*	*
MA24	Geometry 2	5			0211, MA12, or MA14	*	*	*	*	*
MA26	Honors Geometry 2	5			0211 or MA14	*	*	*	*	*
MA28	Foundations Algebra 3	5			MA16†	*	*	*	*	*
MA30	Algebra 3	5			MA16, MA18, or MA20	*	*	*	*	*
MA32	Honors Algebra 3	5			0220, 0221, MA18 or MA20	*	*	*	*	*
MA34	Foundations Algebra 4: Probability & Statistics	5			MA16†	*	*	*	*	*
MA36	Algebra 4: Probability & Statistics	5			0220, 0221, MA16, MA18 or MA20	*	*	*	*	*
MA38	Trigonometry	5			0231 or 0233† OR MA28 and MA 34 OR MA30 or MA32† and MA36			*	*	*
MA40	Discrete Math	5						*	*	*
MA42	Sports Math & Game Theory	5						*	*	*
MA44	Math in the Arts	5						*	*	*
MA46	Math for Life	5						*	*	*
MA48	Skilled and Technical Math	5						*	*	*
MA50 A/B	Modular Mathematics	10	12		†			*	*	*
MA52 A/B	College Algebra	10			0231 or 0233† MA30 or MA32† and MA36	*	*	*	*	*
VMA53 A/B	College Algebra	10			0231 or 0233† MA30 or MA32† and MA36	*	*	*	*	*
MA54 A/B	AP Precalculus	10			0231 or 0233† MA30 or MA32† and MA36	*	*	*	*	*
MA56 A/B	AP Statistics	10			0231 or 0233† MA18 or MA20	*	*	*	*	*
MA58 A/B	AP Calculus AB	10			0238, 0239†, or MA54	*	*	*	*	*
MA60 A/B	AP Calculus BC	10			0239† or MA54	*	*	*	*	*
MA62 A/B	Calculus II and Advanced Topics	10			0252 or MA58	*	*	*	*	*
MA64 A/B	Calculus III/Differential Equations*	10			0253 or MA60	*	*	*	*	*
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0238, 0239†, or MA54		*			
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268 or MA66		*			
MA70 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0238, 0239†, or MA54		*			
MA72 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270 or MA70		*			
MA74 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231, 0233†, 0238, 0239†, 0243, MA30 or MA32†, and MA36		*			

† = See course descriptions for additional requirements.

All students must successfully complete 30 credits of mathematics in high school in order to meet the minimum graduation requirement. All students should complete 3 to 4 years of mathematics including Algebra 3 and Algebra 4: Probability & Statistics OR Foundations Algebra 3 and Foundations Algebra 4: Probability & Statistics for minimum college preparation.

School calculators are available for use while in mathematics classes. Students may also use their own calculators.

*Pending instructor availability – may need to arrange schedule to attend available instructor’s assigned high school.

MATHEMATICS

MA02 ALGEBRA I ENRICHMENT

5 Credits

Description: This course is a supplemental course to be taken concurrently with Algebra 1. It is designed to provide support and reinforce concepts taught in the Algebra 1 course. Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Algebra 1 is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and who understand mathematics in a more abstract form. *This course is for elective credit only and does not apply toward graduation requirement for mathematics.*

Prerequisites: Placement recommendation from Building Data Team

MA04 ALGEBRA 2 ENRICHMENT

5 Credits

Description: This course is a supplemental course to be taken concurrently with Algebra 2. It is designed to provide support and reinforce concepts taught in the Algebra 2 course. Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. *This course is for elective credit only and does not apply toward graduation requirements for mathematics.*

Prerequisites: Placement recommendation from Building Data Team

MA06 ALGEBRA 3 ENRICHMENT

5 Credits

Description: This course is a supplemental course to be taken concurrently with Algebra 3. It is designed to provide support and reinforce concepts taught in the Algebra 3 course. Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. *This course is for elective credit only and does not apply toward graduation requirements for mathematics.*

Prerequisites: Placement recommendation from Building Data Team

MA08 FOUNDATIONS ALGEBRA 1

5 Credits

Description: Students who would benefit from reinforcement in basic algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Successful completion of Foundations Algebra 1 will satisfy the Algebra 1 graduation requirement. Upon completion, students should enroll in Foundations Algebra 2 or Foundations Geometry 1.

Prerequisites: Placement recommendation from Building Data Team

MA10 ALGEBRA 1

5 Credits

Description: Students will explore linear and absolute value equations and inequalities in depth. Parallel and perpendicular lines will be investigated as they relate to linear functions. They will also study systems of equations and their applications. Algebra 1 is designed for students who have a strong understanding of the basics of arithmetic, demonstrated algebraic readiness, and who understand mathematics in a more abstract form.

Prerequisites: None

MA12 FOUNDATIONS GEOMETRY 1

5 Credits

Description: Students who would benefit from reinforcement in basic number and algebraic skills in order to successfully master geometry concepts may be recommended for this course. Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Successful completion of Foundations Geometry 1 will satisfy the Geometry 1 graduation requirement. Upon completion, students should enroll in Foundations Geometry 2 or Foundations Algebra 1.

Prerequisites: Placement recommendation from Building Data Team

MA14 GEOMETRY 1

5 Credits

Description: Students will study the properties and applications of geometric figures in two dimensions. This includes inductive and deductive thinking skills in problem solving situations as well as similarity and congruence, Pythagorean Theorem applications, special right triangle relationships and right triangle trigonometry. Writing proofs to prove properties of geometric figures is emphasized.

Prerequisites: Algebra I or None

MA16 FOUNDATIONS ALGEBRA 2

5 Credits

Description: Students who would benefit from reinforcement in basic algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. Complex numbers will be introduced. Successful completion of Foundations Algebra 2 will satisfy the Algebra 2 graduation requirement. Upon completion, students should enroll in Foundations Algebra 3 or Foundations Geometry 2.

Prerequisites: Foundations Algebra 1 and/or placement recommendation from Building Data Team

MA18 ALGEBRA 2

5 Credits

Description: Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. Complex numbers will be introduced. Algebra 2 is designed for students who have a strong understanding of the basics of arithmetic, linear algebra, and who understand mathematics in a more abstract form.

Prerequisites: Algebra 1 or Foundations Algebra 1

MA20 HONORS ALGEBRA 2

5 Credits

Description: Students will explore exponents, exponent rules, and polynomials with a deep dive into quadratics including graphing and solving. Algebra 2 is designed for students who have a strong understanding of the basics of arithmetic, linear algebra, and who understand mathematics in a more abstract form. This course will go into greater depth than Algebra 2 and is recommended for students who plan to pursue Advanced Placement[®] or International Baccalaureate[®] mathematics classes.

Prerequisites: Algebra 1

MA22 FOUNDATIONS GEOMETRY 2

5 Credits

Description: Students who would benefit from reinforcement in basic number and algebraic skills in order to successfully master geometry concepts may be recommended for this course. Students will study the properties and applications of geometric figures in two and three dimensions. This includes translation of objects on a coordinate plane, symmetry, quadrilaterals and other polygons, circles, surface area, volume, and unit conversions. Successful completion of Foundations Geometry 2 will satisfy the Geometry 2 graduation requirement. Upon completion, students should enroll in Foundations Algebra 2 or Foundations Algebra 3.

Prerequisites: Foundations Geometry 1 and/or placement recommendation from Building Data Team

MA24 GEOMETRY 2

5 Credits

Description: Students will study the properties and applications of geometric figures in two and three dimensions. This includes translation of objects on a coordinate plane, symmetry, quadrilaterals and other polygons, circles, surface area, volume, and unit conversions. Writing and analyzing proofs to prove properties of geometry figures is emphasized.

Prerequisites: Algebra I, Geometry 1 or Foundations Geometry 1

MA26 HONORS GEOMETRY 2

5 Credits

Description: Students will study the properties and applications of geometric figures in two and three dimensions. This includes translation of objects on a coordinate plane, symmetry, quadrilaterals and other polygons, circles, surface area, volume, and unit conversions. Writing and analyzing proofs to prove properties of geometry figures is emphasized. This course will go into greater depth than Geometry 2 and is recommended for students who plan to pursue Advanced Placement[®] or International Baccalaureate[®] mathematics classes.

Prerequisites: Algebra I, Geometry 1

MA28 FOUNDATIONS ALGEBRA 3

5 Credits

Description: Students who would benefit from reinforcement in basic algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. Successful completion of Foundations Algebra 3 will satisfy the Algebra 3 graduation requirement. Upon completion, students should enroll in Foundations Algebra 4: Probability & Statistics or choose a math elective.

Prerequisites: Foundations Algebra 2 and/or placement recommendation from Building Data Team

MA30 ALGEBRA 3

5 Credits

Description: Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. Algebra 3 is designed for students who have a strong understanding of the basics of arithmetic, linear and quadratic algebra, and who understand mathematics in a more abstract form. Algebra 3 and Algebra 4: Probability & Statistics completes the three-year mathematics sequence required by many colleges.

Prerequisites: Algebra 2, Honors Algebra 2, or Foundations Algebra 2

MA32 HONORS ALGEBRA 3

5 Credits

Description: Students will explore a variety of advanced, integrated algebraic topics such as higher-ordered polynomials, rational functions, advanced functions, complex & imaginary numbers, and sequences and series. This course will go into greater depth than Algebra 3 and is recommended for students who plan to pursue Advanced Placement® or International Baccalaureate® mathematics classes.

Prerequisites: Geometry or Honors Geometry, Algebra 2 or Honors Algebra 2

MA34 FOUNDATIONS ALGEBRA 4: PROBABILITY & STATISTICS

5 Credits

Description: Students who would benefit from reinforcement in basic number and algebraic skills in order to successfully master algebra concepts may be recommended for this course. Students will use numbers in context (data) to make predictions and informed decisions, use tools to apply statistical methods to describe patterns and trends, and understand randomness, variability, and causality through data collection, data analysis, and the interpretation of results. Students will describe data using probability and sampling distributions to judge whether a result is unsurprising or rare. Successful completion of Foundations Algebra 4: Probability & Statistics will satisfy the Algebra 4: Probability & Statistics graduation requirement. Upon completion, students should enroll in Foundations Algebra 3 or choose a math elective.

Prerequisites: Foundations Algebra 2 and/or placement recommendation from Building Data Team

MA36 ALGEBRA 4: PROBABILITY & STATISTICS

5 Credits

Description: Students will use numbers in context (data) to make predictions and informed decisions, use tools to apply statistical methods to describe patterns and trends, and understand randomness, variability, and causality through data collection, data analysis, and the interpretation of results. Students will describe data using probability and sampling distributions to judge whether a result is unsurprising or rare. Algebra 3 and Algebra 4: Probability & Statistics completes the three-year mathematics sequence required by many colleges.

Prerequisites: Geometry or Honors Geometry, Algebra 2, Honors Algebra 2, or Foundations Algebra 2

MA38 TRIGONOMETRY

5 Credits

Description: This course focuses on trigonometric functions and graphs, inverse trigonometric functions and graphs, solutions of triangles, trigonometric identities, trigonometric equations, and applications of trigonometry.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

MA40 DISCRETE MATH

5 Credits

Description: This course is designed for students who are interested in pursuing a career in computer science, computer engineering, or biology. Students will study numerical values that are countable and separable while utilizing the basics for computer science and computer programming.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

MA42 SPORTS MATH & GAME THEORY

5 Credits

Description: A game, in mathematical terms, consists of a starting point and various choices made by ‘players.’ Each choice might lead to new choices or to an outcome that ends the game. This course will explore how game theory can be applied in various sports and other competitive situations. Topics will include: analyzing sports and other authentic situations through probability and statistics, modeling physical systems (such as a golf swing, a high jump, or home run hit) using basic equations of motion and elementary calculus, and gathering data to build and test models and develop predictive statistics.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

MA44 MATH IN THE ARTS

5 Credits

Description: In this course, students will be able to explore connections between mathematics and the fine arts, specifically in the fields of art and music. Areas of focus, with respect to the art discipline, will include visual geometry, patterns, ratios and proportions, the Golden Ratio, and symmetrical application. Areas of focus, with respect to the music discipline, will include harmonies and harmonic ratios, patterns, note and rhythm structure, instrument construction, along with an understanding of basic music theory.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

MA46 MATH FOR LIFE

5 Credits

Description: This course will cover general mathematical concepts used in everyday life for a majority of people. Specifically focusing on personal credit, loans, investments, businesses, taxes and spending. Topics include analyzing and calculating expenses incurred when purchasing/leasing an automobile or a place of residence, maintaining accurate banking records and compare types of credit including credit cards and loans, analyzing options when purchasing consumable goods to make logical, educated decisions, and developing the components of a budget based upon a determined amount of earnings and taxes. Students will also utilize basic investment principles to evaluate various investment opportunities, learn how insurance works, and apply mathematical models for educational and retirement planning.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

MA48 SKILLED AND TECHNICAL MATH

5 Credits

Description: This course will focus on mathematical concepts required in the skilled and technical fields. Topics include basic arithmetic, ratios and proportions, measurement strategies in various units, trigonometry all as they pertain to real life situations in the skilled and technical fields.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3, Honors Algebra 3 or Foundations Algebra 3 AND Algebra 4: Probability & Statistics or Foundations Algebra 4: Probability & Statistics

MA50 MODULAR MATHEMATICS

12

10 Credits

Description: This program is designed for seniors looking to improve their mathematics skills to the level needed to enroll and be successful in a college-level mathematics course. Students will have the opportunity to complete the track that will satisfy the mathematics requirement for many associate and bachelor degree programs. Students can pursue one of two options: 1. The Academic track for students intending to earn a four-year bachelor's degree, or 2. The Trades/Business track for students pursuing a two-year associate degree/certification. Students will refresh basic computational, geometry, algebra, data and problem-solving skills in an online modular environment. Topics include fractions, decimals, ratios, proportions, percents, and operations with integers. In the Academic track, additional topics include solving linear equations and inequalities, operations with polynomials, factoring, integer exponents, and representing various equations on a graph. In the Trades track, students learn the math skills required in career/technical fields. Students review arithmetic operations and apply ratios and proportions, measurement concepts, algebraic operations, geometric relationships and right triangle trigonometry to problem-solving of technical applications. In the Business track, students learn the mathematics skills required to solve problems related to business occupations. Topics include: percentages, checking accounts and services, payroll, payroll taxes, cash and trade discounts, property and sales taxes, simple and compound interest, installment purchases, loan payment plans and annuities. Successful candidates for this course are self-motivated and able to work independently, have ACT[®] mathematics scores between 13 and 20 inclusive, a GPA above 2.0, and a good attendance record. If the capstone courses are successfully completed (MATH 1312, MATH 1240 and MATH 1220), then transferable MCC credit may be earned.

Prerequisites: Placement recommendation from Building Data Team and/or Instructor

Dual Enrollment Credit: This course is offered for dual enrollment credit from Metropolitan Community College in student's choice of one of three tracks. *Academic:* MATH 0910, MATH 0930, MATH 0931, and MATH 1312 (4.5 credits) or *Trades:* MATH 0910 and MATH 1240 (4.5 credits) or *Business:* MATH 0910 and MATH 1220 (4.5 credits).

MA52 COLLEGE ALGEBRA

10 Credits

Description: Students will investigate functions, matrices, and conic sections through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This course will assist students in preparation for introductory college mathematics courses. Students planning to take Calculus should enroll in Advanced Placement® Precalculus.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics

VMA53 COLLEGE ALGEBRA 11-12

10 Credits

Description: This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

College Algebra students will investigate functions, matrices, and conic sections through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This course will assist students in preparation for introductory college mathematics courses. Students planning to take Calculus should enroll in Advanced Placement® Precalculus.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics

MA54 ADVANCED PLACEMENT® PRECALCULUS

10 Credits

Description: Students will study polynomials and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices. Completion of this course will prepare students to take the Advanced Placement® Precalculus exam.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics

MA56 ADVANCED PLACEMENT® STATISTICS

10 Credits

Description: Students will learn a variety of statistical concepts including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Completion of this course will prepare students to take the Advanced Placement® Statistics exam.

Prerequisites: Algebra II or Honors Algebra II or Algebra 2 or Honors Algebra 2, and concurrent enrollment in or completion of Algebra 3 or Honors Algebra 3

MA58 ADVANCED PLACEMENT® CALCULUS AB

10 Credits

Description: Advanced Placement® Calculus AB is a course in single variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. Algebraic, numerical, and graphical representations are emphasized throughout the course. Completion of this course will prepare students to take the Advanced Placement® Calculus AB exam.

Prerequisites: Precalculus, Honors Precalculus, or Advanced Placement® Precalculus

MA60 ADVANCED PLACEMENT® CALCULUS BC

10 Credits

Description: Advanced Placement® Calculus BC is a course in single variable calculus that includes all the topics of Advanced Placement® Calculus AB plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series. Algebraic, numerical, and graphical representations are emphasized throughout the course. Completion of this course will prepare students to take the Advanced Placement® Calculus BC exam.

Prerequisites: Honors Precalculus or Advanced Placement® Precalculus

MA62 CALCULUS II & ADVANCED TOPICS

10 Credits

Description: Students will review Advanced Placement® Calculus AB topics and study the additional AP Calculus BC topics in greater depth. Advanced topics will also include various concepts from Calculus III, Discrete Mathematics, and Linear Algebra. Completion of this course will prepare students to take the Advanced Placement® Calculus BC exam.

Prerequisites: Advanced Placement® Calculus AB

MA64 CALCULUS III & DIFFERENTIAL EQUATIONS

10 Credits

Description: Calculus III/Differential Equations is a course investigating calculus topics including (but not limited to) vector analysis, partial differentiation, multiple integration, and functions of several variables. The differential equations portion of the course will focus primarily on (but not limited to) ordinary differential equations, solutions by series, Laplace transformations, and applications. This course provides a weighted grade as it exceeds Advanced Placement® Calculus level courses. Course offering is dependent upon instructor availability; students may need to arrange schedule to attend available instructor's assigned high school for this course.

Prerequisites: Advanced Placement® Calculus BC

MA66 IB MATHEMATICS ANALYSIS & APPROACHES HL I

11

North only

10 Credits

Description: This is the first course in a two-year sequence culminating with the *Analysis & Approaches HL* exam in May of the student's senior year. This course is appropriate for students with excellent mathematics abilities who will enjoy becoming fluent in the construction of mathematical arguments and developing strong skills in mathematical thinking. They will also explore real and abstract applications of these ideas, with and without the use of technology. Students who take *Analysis & Approaches HL* will be those who enjoy the thrill of mathematical problem solving and generalization. This course is most appropriate for students who will go on to study college subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or quantitative economics, for example. There is an emphasis in this course on calculus and on algebraic, graphical, and numerical approaches.

Prerequisites: Precalculus, Honors Precalculus, or Advanced Placement® Precalculus

MA68 IB MATHEMATICS ANALYSIS & APPROACHES HL II

12

North only

10 Credits

Description: Students who have successfully completed *Analysis & Approaches HL I* will continue developing fluency in the construction of mathematical arguments and developing strong skills in mathematical thinking. They will continue exploring real and abstract applications of these ideas, with and without the use of technology. Students who take *Analysis & Approaches HL* will be those who enjoy the thrill of mathematical problem solving and generalization. This course is most appropriate for students who will go on to study college subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or quantitative economics, for example. There is an emphasis in this course on calculus and on algebraic, graphical, and numerical approaches. This is the second course in a two-year sequence culminating with the *Analysis & Approaches HL* exam in May.

Prerequisites: IB Mathematics Analysis & Approaches HL I

MA70 IB MATHEMATICS APPLICATIONS & INTERPRETATION HL I

11

North only

10 Credits

Description: This is the first course in a two-year sequence culminating with the *Applications & Interpretation HL* exam in May of the student's senior year. This course is appropriate for students with strong mathematics abilities who are interested in describing our world mathematically and solving practical problems. They will also be interested in harnessing the power of technology while exploring mathematical models. Students who take *Applications & Interpretation HL* will be those who enjoy mathematics best when seen in a practical context. This course is most appropriate for students who will go on to study college subjects like social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. This course emphasizes the applied nature of mathematics, and that interpretation of results in context is important.

Prerequisites: Precalculus, Honors Precalculus, or Advanced Placement® Precalculus

MA72 IB MATHEMATICS APPLICATIONS & INTERPRETATION HL II 12 North only 10 Credits

Description: Students who have successfully completed *Applications & Interpretation HL I* will engage further with describing our world mathematically and solving practical problems. They will also be interested in harnessing the power of technology while exploring mathematical models. Students who take *Applications & Interpretation HL* will be those who enjoy mathematics best when seen in a practical context. This course is most appropriate for students who will go on to study college subjects like social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. This course emphasizes the applied nature of mathematics, and that interpretation of results in context is important. This is the second course in a two-year sequence culminating with the *Applications & Interpretation HL* exam in May.

Prerequisites: IB Mathematics Applications & Interpretation HL I

MA74 IB MATHEMATICS APPLICATIONS & INTERPRETATION SL 11 or 12 North only 10 Credits

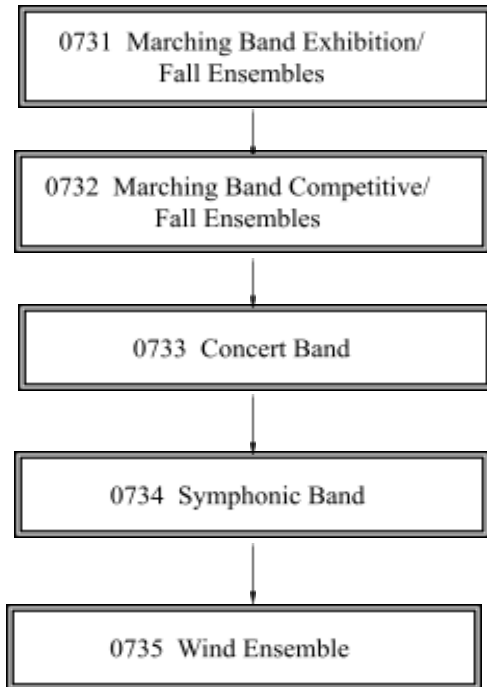
Description: This course is appropriate for students who are interested in describing our world mathematically and solving practical problems. They will also be interested in harnessing the power of technology while exploring mathematical models. Students who take *Applications & Interpretation SL* will be those who enjoy mathematics best when seen in a practical context. This course is most appropriate for students who will go on to study college subjects like social sciences, natural sciences, statistics, business, economics, psychology, and design, for example. This course emphasizes the applied nature of mathematics, and that interpretation of results in context is important.

Prerequisites: Algebra II or Honors Algebra II, Algebra 3 or Honors Algebra 3 AND Algebra 4: Probability & Statistics or Precalculus or Honors Precalculus or Advanced Placement® Statistics OR Advanced Placement® Precalculus

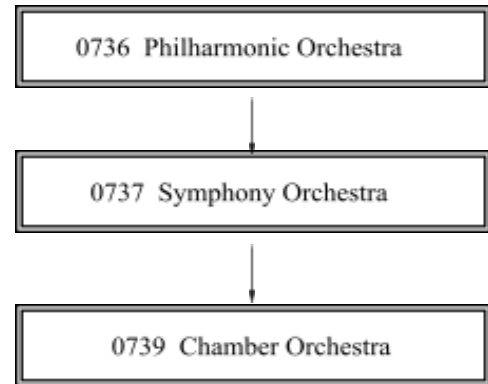
MUSIC

Performance Ensembles

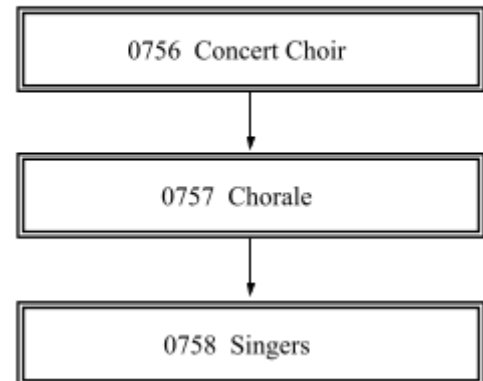
BAND



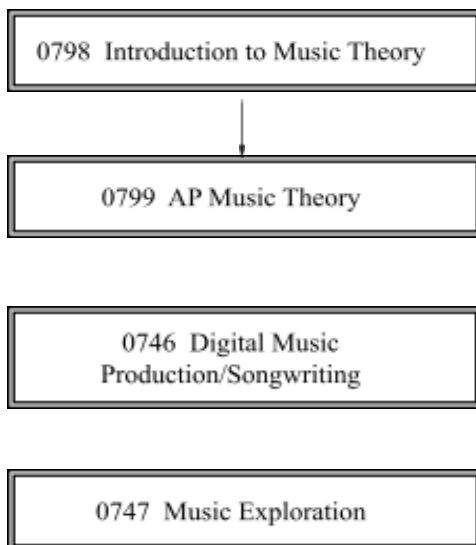
ORCHESTRA



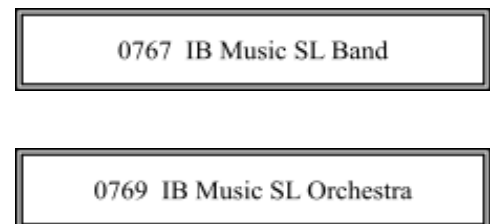
CHOIR



ADDITIONAL ELECTIVE COURSES



MILLARD NORTH HIGH SCHOOL IB DIPLOMA PROGRAMME STUDENTS ONLY



MUSIC

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
MUSIC										
0731	Marching Band Exhibition/Fall Ensembles	5		F	†			•		•
0732	Marching Band Competitive/Fall Ensembles	5		F	†			•	•	•
0733	Concert Band	5		F	†			•	•	•
0734	Symphonic Band	5		F	†			•	•	•
0735	Wind Ensemble	5		F	†			•	•	•
0736 A/B	Philharmonic Orchestra	10		F	†			•	•	•
0737 A/B	Symphony Orchestra	10			0736†			•	•	•
0739 A/B	Chamber Orchestra	10			0736†			•	•	•
0746	Digital Music Production/Song writing	5		F				•	•	•
0747	Music Exploration	5		F				•	•	•
0756 A/B	Concert Choir	10		F				•	•	•
0757 A/B	Chorale	10		F	†			•	•	•
0758 A/B	Singers	10		F	†			•	•	•
0767 A/B	IB Music SL - Band	10	11-12	F	†			•		
0769 A/B	IB Music SL - Orchestra	10	11-12	F	†			•		
0798	Introduction to Music Theory	5		F				•	•	•
0799	AP Music Theory	5			0798			•	•	•

F = Fulfills Fine and Performing Arts Graduation Requirement

† = See course descriptions for additional requirements.

Students may be asked to provide specialized attire or to make a donation in these courses in compliance with Rule 6750.1. Students who qualify for free and reduced meal waivers should discuss cost or instrument needs with their instructors.

MUSIC

0731 MARCHING BAND EXHIBITION/FALL ENSEMBLES (North/West) 5 Credits

Description: This is a co-curricular course for all incoming freshmen and upperclassmen (director discretion) who play a woodwind, brass, or percussion instrument. Emphasis will be placed on developing fundamental skills, rehearsal techniques, music literacy, and performance practice. Students in this course will learn movement, drill, and music that culminates in a marching show that will be performed at home football games and other possible events. All students registered for Exhibition Marching/Concert Band will participate in the Combined 9-12 Marching Band (first nine weeks) followed by a concert ensemble the rest of the year. This course will include required performances outside of the school day.

Prerequisites: Successful completion of the previous year band course or qualifying audition.

0732 MARCHING BAND COMPETITIVE/FALL ENSEMBLES 5 Credits

Description: This is a co-curricular course and is open to students who play woodwind, brass, percussion instruments and color guard. Students will be assigned to one of two sections, competitive or exhibition marching. Students will learn movement, drill, and music that culminates in a marching show that will be performed at home football games and other events. When marching season concludes after the first nine weeks, students split into ability-based concert ensembles (Concert Band, Symphonic Band, or Wind Ensemble) for the remainder of the year. This course will include performances outside of the school day.

Prerequisites: Successful completion of the previous year band course or qualifying audition.

0733 CONCERT BAND

5 Credits

Description: This is a co-curricular course for select students who play a band instrument. Emphasis will be placed on developing instrumental skills, rehearsal techniques, music literacy, and performance practice. All students registered for Concert Band participate in a Marching Band (first nine weeks). This course will include performances outside of the school day.

Prerequisites: Successful completion of the previous year band course or qualifying audition.

0734 SYMPHONIC BAND

5 Credits

Description: This is a co-curricular course for select students who play a band instrument. Emphasis will be placed on intermediate instrumental skills, rehearsal techniques, music literacy, and performance practice. All students registered for Symphonic Band are required to participate in a Marching Band (first nine weeks). This course will include performances outside of the school day.

Prerequisites: Audition required for membership in class. Ensemble placement is based upon the score of an audition rubric.

0735 WIND ENSEMBLE

5 Credits

Description: This co-curricular course for select advanced students who play a band instrument and have an interest in performing advanced music literature. Emphasis will be placed on advanced instrumental skills, rehearsal techniques, music literacy, and performance practice. All students registered for Wind Ensemble will participate in a Marching Band (first nine weeks). This course will include performances outside of the school day.

Prerequisites: Audition required for membership in class. Ensemble placement is based upon the score of an audition rubric.

0736 PHILHARMONIC ORCHESTRA

10 Credits

Description: Philharmonic Orchestra is a co-curricular course that offers instruction on violin, viola, cello, and string bass instruments with a focus on developing individual proficiency on the instrument. During this year-long course, students will focus their study on string technique as well as solo, small ensemble, and large ensemble performance. This course will include performances outside of the school day.

Prerequisites: Successful completion of 8th grade orchestra or recommendation of instructor.

0737 SYMPHONY ORCHESTRA

10 Credits

Description: Symphony Orchestra is an auditioned, co-curricular course for intermediate to advanced students who play violin, viola, cello, and string bass instruments. This year-long course focuses on advanced string technique; developing musical independence; audition preparation; and solo, small ensemble, and large ensemble performance skills. This course will include required performances outside of the school day.

Prerequisites: Completion of Philharmonic Orchestra and/or qualifying audition outlined by the instructor. Ensemble placement is based upon the score of an audition rubric.

0739 CHAMBER ORCHESTRA

10 Credits

Description: Chamber Orchestra is an auditioned, co-curricular course for select students who play violin, viola, cello, and string bass instruments. This course focuses on learning more advanced string technique; developing musical independence; audition preparation; and small ensemble performance. This course will include required performances outside of the school day.

Prerequisites: Completion of Philharmonic Orchestra and/or qualifying audition outlined by the instructor. Ensemble placement is based upon the score of an audition rubric.

0756 CONCERT CHOIR

10 Credits

Description: Concert Choir is a co-curricular course designed for any student who wants to sing. No previous singing experience necessary. Emphasis will be placed on developing vocal skills, rehearsal techniques, music literacy, and performance practice. Repertoire selections will include music from a variety of cultures, styles, and genres (e.g., pop, classical, jazz, world, sacred, secular). This course will include required performances outside of the school day.

Prerequisites: None. Audition is NOT required for this class.

0757 CHORALE

10 Credits

Description: Chorale (Mixed, Bass, Treble) is a co-curricular course where students will experience singing in an intermediate choral ensemble. Emphasis will be placed on intermediate vocal skills, rehearsal techniques, music literacy, and performance practice. Repertoire selections will include intermediate music from a variety of cultures, styles, and genres (e.g., pop, classical, jazz, world, sacred, secular). This year-long course will include required performances outside of the school day.

Prerequisites: Audition required for membership in class. Ensemble placement is based upon score of audition rubric.

0758 SINGERS

10 Credits

Description: Singers is a co-curricular auditioned course designed for students who will experience singing in an advanced large ensemble. Emphasis will be placed on advanced vocal skills, rehearsal techniques, music literacy, and performance practice. Repertoire selections will include advanced music from a variety of cultures, styles, and genres (e.g., pop, classical, jazz, world, sacred, secular). This year-long course will include required performances outside of the school day.

Prerequisites: Audition required for membership in class. Ensemble placement is based upon score of audition rubric.

0746 DIGITAL MUSIC PRODUCTION/SONGWRITING

5 Credits

Description: This semester-long course will introduce students to the fundamentals of using software and hardware tools for producing music (including digital music editing, multi-track recording, and microphone technique). The class uses a series of project-based learning activities which includes manipulating premade and student-created loops, voice recording and alteration (ex. auto-tune), and editing/remixing songs. Students will complete a culminating project consisting of 12 minutes of student-created music. Students may take this course twice, with the second time having more choice with the focus on album creation.

Prerequisites: None. Prior experience in music, instruments, and advanced technology knowledge not required.

0747 MUSIC EXPLORATION

5 Credits

Description: Music Exploration is a non-performance course with an open laboratory environment that provides students various opportunities to learn about music through the potential lenses of career opportunities, musical instrument experimentation, and responding to the music surrounding our lives. This course is open to all students regardless of previous music experience or enrollment in music ensembles.

Prerequisites: None.

0798 INTRODUCTION TO MUSIC THEORY

5 Credits

Description: This non-performance-based course will provide students with an understanding of the basic fundamentals of how music works. Students will explore notation, scales, chords, analysis, and musical structure. Students will benefit from this course by understanding how musical elements fit together to be an informed listener, musician, performer, and/or composer.

Prerequisites: Previous musical experience is not required, but may be beneficial.

0799 ADVANCED PLACEMENT® MUSIC THEORY

5 Credits

Description: This course builds off concepts from Introduction to Music Theory by expanding students' understanding of music through a critical analysis of music literature and composition. Harmonic analysis, structure, and compositional tools are coupled with ear training and musical dictation to prepare students for the Advanced Placement® Music Theory exam.

Prerequisites: Successful completion of Introduction to Music Theory and/or permission of the instructor.

0767 IB MUSIC SL BAND

11-12

North only

10 Credits

Description: This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. This course will include concerts outside of the school day. (Band performance for IB credit)

Prerequisites: Successful completion of Band in both 9th and 10th grades and music theory assessment.

0769 IB MUSIC SL ORCHESTRA

11-12

North only

10 Credits

Description: This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. This course will include concerts outside of the school day. (Orchestra performance for IB credit)

Prerequisites: Successful completion of Orchestra in both 9th and 10th grades and music theory assessment.

All Music courses can fulfill the Fine and Performing Arts Graduation Requirement.

PHYSICAL EDUCATION

The Physical Education requirement for graduation is 15 credit hours. Courses are listed below and each course is worth 5 credits. In order for students to experience diverse physical activities, each Physical Education course may be taken only once to meet the required 15 credits towards graduation.

However, once the 15 credits towards graduation are completed, Cross Training II, Weight Training and Conditioning II, Aquatics, and Advanced Performance may be repeated for elective credit (pending available space).

9th Grade Offerings			
0800	Sport Skills and Fitness	0810	Aquatics
0801	Cross Training I	0814	Athletic Training and Sports Injury*
0802	Cross Training II	0816	Advanced Performance
0808	Introduction to Aquatics	0817	Sport Officiating

10th Grade Offerings			
0800	Sport Skills and Fitness	0809	Lifeguard Training
0801	Cross Training I	0810	Aquatics
0802	Cross Training II	0814	Athletic Training and Sports Injury*
0805	Weight Training & Conditioning I	0816	Advanced Performance
0806	Weight Training & Conditioning II	0817	Sport Officiating
0808	Introduction to Aquatics		

11th & 12th Grade Offerings			
0800	Sport Skills and Fitness	0809	Lifeguard Training
0801	Cross Training I	0810	Aquatics
0802	Cross Training II	0814	Athletic Training and Sports Injury*
0803	Lifetime Fitness	0815	Athletic Training and Sports Injuries Internship*
0805	Weight Training & Conditioning I	0816	Advanced Performance
0806	Weight Training & Conditioning II	0817	Sport Officiating
0808	Introduction to Aquatics		

*elective credit only

PHYSICAL EDUCATION

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
PHYSICAL EDUCATION										
0800	Sport Skills and Fitness	5		PE			•	•	•	•
0801	Cross Training I	5		PE			•	•	•	•
0802	Cross Training II	5		PE	0801		•	•	•	•
0803	Lifetime Fitness	5	11-12	PE			•	•	•	•
0805	Weight Training and Conditioning I	5	10-12	PE			•	•	•	•
0806	Weight Training and Conditioning II	5	10-12	PE	0805		•	•	•	•
0808	Introduction to Aquatics	5		PE	†			•	•	•
0809	Lifeguard Training	5	10-12	PE	†			•	•	•
0810	Aquatics	5		PE	†			•	•	•
0814	Athletic Training and Sports Injury	5						•	•	•
0815 A/B	Athletic Training and Sports Injuries Intemship	10	11-12		†			•	•	•
0816	Advanced Performance	5		PE	†			•	•	•
0817	Sport Officiating	5		PE	0800 or 0803			•	•	•

PE = Fulfills Physical Education Graduation Requirement

† = See course descriptions for additional requirements.

PHYSICAL EDUCATION

Students provide athletic shoes, sweatpants or shorts, t-shirt or sweatshirt, and cold weather attire as needed.

0800 SPORT SKILLS AND FITNESS

5 Credits

Description: Students will engage in lifelong individual/team activities while learning about the importance of fitness, nutrition, and exercise. Class activities last between five to ten class periods. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: None

Activities:

- | | |
|-----------------|------------------------------------|
| 1. Basketball | 6. Tennis |
| 2. Badminton | 7. Cooperative Games/Team Building |
| 3. Volleyball | 8. Softball |
| 4. Soccer | 9. Football |
| 5. Floor Hockey | 10. Fitness Knowledge/FitnessGram |

Optional Enrichment Activities:

1. Swimming/Aquatic activities (Pending instruction American Red Cross Certification and pool availability)

0801 CROSS TRAINING I

5 Credits

Description: Students will learn about nutrition and fitness lifestyle concepts, while participating in aerobic/anaerobic exercise. These activities use continuous movement for a determined amount of time. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: None

Activities:

- | | |
|----------------------------------|---------------------------------|
| 1. Muscular Strength & Endurance | 4. Flexibility |
| 2. Cardiorespiratory Endurance | 5. Literature in Healthy Living |
| 3. Skill-related Fitness | 6. Movement Patterns |

Optional Enrichment Activities:

1. Core Strengthening activities
2. Swimming/Aquatic activities (Pending instructor American Red Cross certification and pool availability)

0802 CROSS TRAINING II

5 Credits

Description: Students will build and expand their knowledge based on the learning experience gained from Cross Training I. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Cross Training I. Cross Training II may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

Activities:

- | | |
|----------------------------------|---------------------------------|
| 1. Muscular Strength & Endurance | 4. Flexibility |
| 2. Cardiorespiratory Endurance | 5. Literature in Healthy Living |
| 3. Skill-related Fitness | 6. Movement Patterns |

Optional Enrichment Activities:

1. Core Strengthening activities
2. Swimming/Aquatic activities (Pending instructor American Red Cross certification and pool availability)

0803 LIFETIME FITNESS**11-12**

5 Credits

Description: Each student will develop a personal fitness and wellness plan while learning skills necessary to participate in leisure-type activities. These experiences will make the student aware of the importance of nutrition and exercise in achieving a healthy lifestyle. Lifestyle fitness concepts will be taught in the classroom on an alternating basis along with lifetime sport activities. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: None

Activities:

- | | |
|---------------------|-------------------------------------|
| 1. Badminton | 8. Softball |
| 2. Tennis | 9. Wellness Activities |
| 3. Fitness Exercise | 10. Pickleball |
| 4. Soccer | 11. Flag Football/Ultimate Football |
| 5. Ultimate Frisbee | 12. Fitness Knowledge/FitnessGram |
| 6. Basketball | 13. Nutrition |
| 7. Volleyball | |

Optional Enrichment Activities:

Off campus experiences only with permission from the building principal.

- | | |
|--|--------------------|
| 1. Frisbee Golf | 8. Bowling |
| 2. Roller Skating/Laser Runner | 9. Roller Hockey |
| 3. Floor Hockey | 10. Ice Skating |
| 4. Rock Climbing/Rappelling | 11. Batting Cages |
| 5. Ping Pong | 12. Guest Speakers |
| 6. Fitness/Health Centers/Weight Room | |
| 7. Swimming/Aquatic Activities
(Pending Instructor American Red Cross
certification and pool availability) | |

0805 WEIGHT TRAINING AND CONDITIONING I**10-12**

5 Credits

Description: Students will be introduced to weight training. Emphasis will be placed on safety, introduction of proper lifting techniques, establishing workout routines and record keeping while lifting appropriate loads and doing conditioning activities. Both free weights and universal gym weights will be used. This course fulfills the Physical Education Graduation Requirement. Enrollment is limited to one semester.

Prerequisites: None

Activities:

- | | |
|--|---|
| 1. Introduce weight lifting exercises | 6. Use free weights and universal gym weights |
| 2. Introduce and develop proper lifting techniques | 7. Conditioning activities |
| 3. Introduce and establish workout routines | 8. Fitness Knowledge/FitnessGram |
| 4. Introduce physiological & kinesiological concepts | 9. Nutrition |
| 5. Introduce weight training principles | |

0806 WEIGHT TRAINING AND CONDITIONING II**10-12**

5 Credits

Description: Students will expand on learning experiences gained from Weight Training & Conditioning I. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Weight Training & Conditioning I. Weight Training & Conditioning II may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and if space is available.

Activities:

- | | |
|--|---|
| 1. Introduce advanced weight lifting exercises | 6. Use free weights and universal gym weights |
| 2. Improve on proper lifting techniques | 7. Conditioning activities |
| 3. Develop, assess, & select advanced workout routines | 8. Fitness Knowledge/FitnessGram |
| 4. Apply physiological & kinesiological concepts | 9. Nutrition |
| 5. Apply advanced weight training principles | |

0808 INTRODUCTION TO AQUATICS

5 Credits

Description: Students who are novice swimmers will further develop basic swimming strokes and water safety skills. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Students are required to furnish their own towels and swim suits. They should have the ability to dive into deep water. Students should be able to swim the length of the pool non-stop using the crawl stroke, breast stroke, or back stroke.

Activities:

- | | |
|--------------------------------------|-------------------|
| 1. Basic Water Safety Skills | 4. Water Sports |
| 2. Basic Swimming Strokes and Skills | 5. Water Aerobics |
| 3. Community Water Safety | 6. Nutrition |

0809 LIFEGUARD TRAINING**10-12**

5 Credits

Description: Students who are advanced swimmers will follow the program designed by the American Red Cross. Students who successfully complete this class may qualify to receive the Red Cross Certification in Lifeguard Training, First Aid & CPR for the Professional Rescuer. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Aquatics. Students are required to furnish their own towels, swim suit, and CPR mouth guards (BOE Rule 6750.1); be 15 years of age on or before the beginning of the course, swim 500 yards continuously demonstrating breath control and rhythmic breathing. Candidates may swim using the front crawl, breaststroke, or a combination of both, but swimming on the back or side is not allowed. Swim goggles may be used. Candidates need to also tread water for two minutes, using only the legs and should place their hands under the armpits. Candidates need to also complete a timed event within 1 minute and 40 seconds:

- Starting in the water, swim 20 yards. Swim goggles are not allowed.
- Surface dive, feet-first or head-first, to a depth of 7-10 feet to retrieve a 10-pound object.
- Return to the surface and swim 20 yards on the back to return to the starting point with both hands holding the object and keeping the face at or near the surface so they are able to get a breath.
- Exit the water without using a ladder or steps.

Activities:

- | | |
|-----------------------|----------------------|
| 1. Advanced Swimming | 3. Water Safety |
| 2. Lifeguard Training | 4. First Aid and CPR |

0810 AQUATICS

5 Credits

Description: Students who are advanced swimmers will learn the benefits of fitness swimming and its effect on lifetime health. Major emphasis will be on safety, hydrodynamics and fitness concepts. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Students must be able to swim 500 yards continuously using the crawl stroke, backstroke and breaststroke in any combination. Students are required to furnish their own towels and swim suits. Aquatics may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and if space is available.

Activities:

1. Fitness Programming
2. Training Concepts
3. Hydrodynamic Concepts
4. Fitness Swimming Activities
5. Water Aerobics
6. Community Water Safety
7. Community CPR
8. Nutrition

0814 ATHLETIC TRAINING AND SPORTS INJURY

5 Credits

Description: Students will learn about athletic training and the health care of the athlete. The primary focus of study will revolve around the prevention, recognition, treatment, and rehabilitation of injuries caused during physical activity or athletics. Basic knowledge of anatomy and physiology, emergency first aid, and the discussion of a variety of athletic injuries will be discussed in the traditional classroom format. In addition, students will gain hands-on experience in laboratory activities that include taping techniques, splinting methods, the use and principles of common modalities used to treat athletic injuries, as well as basic principles applied in the rehabilitation of injuries. **This course is for elective credit only and does not fulfill the 15 credit Physical Education Graduation Requirement.**

Prerequisites: None

0815 ATHLETIC TRAINING AND SPORTS INJURIES INTERNSHIP

11-12

10 Credits

Description: The Athletic Training and Sports Injuries Internship is designed as a mutually beneficial experience for Millard Athletic Training students and the high school. Athletic Training students volunteer their athletic training and first aid skills as support to a variety of sports activities. This coordination would take place with the head athletic trainer and various sports teams/organizations. The experience would enhance the athletic training students' skills while providing an important health care service. Students will be required to complete 80 hours of community service (within and/or out of school.) This course may be offered for Dual Enrollment (college credit) through UNO. **This course is for elective credit only and does not fulfill the 15 credit Physical Education Graduation Requirement.**

Prerequisites: Athletic Training and Sports Injury; students are required to be actively involved in the Student Athletic Trainer program while enrolled in this course.

0816 ADVANCED PERFORMANCE

5 Credits

Description: Designed for the highly motivated student interested in advanced performance training, this class will help build potential health and fitness career opportunities and knowledge of those careers. Focus is on incorporating intense training techniques, nutrition, goal setting, and research in the area of exercise science. Students will also participate in FitnessGram and develop a fitness and wellness plan. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Weight Training & Conditioning II or Cross Training II. Advanced Performance may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

0817 SPORT OFFICIATING

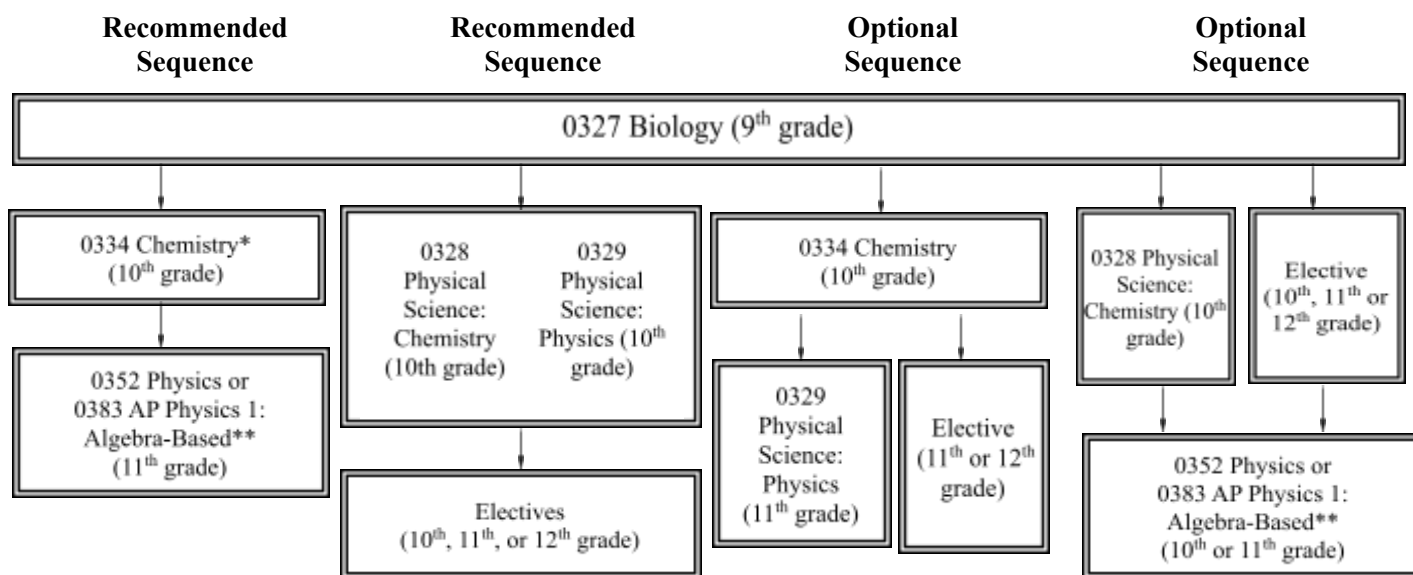
5 Credits

Description: Students will gain the knowledge and experience necessary to become an official in a variety of major sports including, but not limited to, basketball, football, volleyball, baseball, softball, and soccer. Coursework will include classroom activities, exercise, field experiences, guest speakers, and video lessons. Upon successful completion of this course, students interested in employment with youth organizations or the NSAA may pursue these activities at their own discretion. Students will participate in FitnessGram. This course fulfills the Physical Education Graduation Requirement.

Prerequisites: Sport Skills and Fitness or Lifetime Fitness

SCIENCE

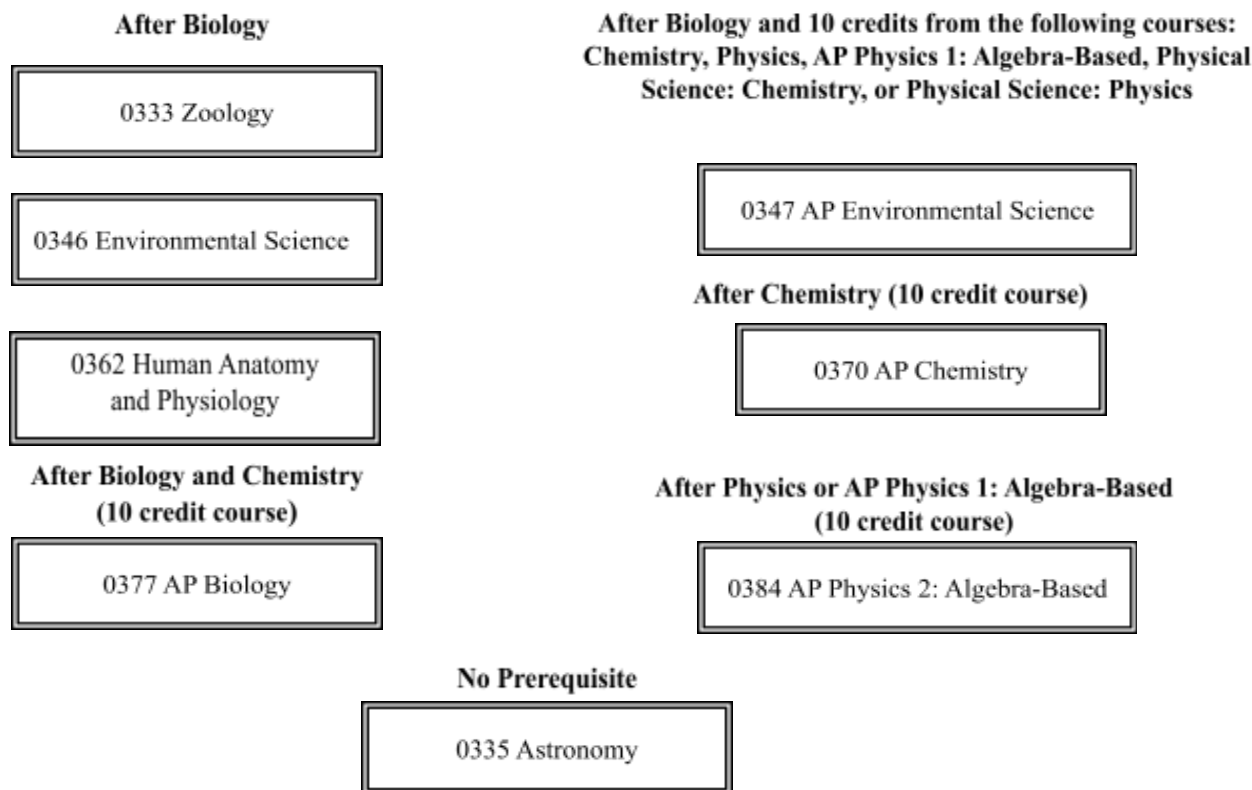
Required science courses: Follow one of the sequences depicted below.



*When taking 0334 Chemistry students must successfully complete the entire course. If 0334 Chemistry is dropped, a student will need to enroll in 0328 Physical Science: Chemistry.

**When taking Physics (0352) or AP Physics 1: Algebra-Based (0383) students must successfully complete the entire course. If 0352 Physics or 0383 AP Physics 1: Algebra-Based is dropped, a student will need to enroll in 0329 Physical Science: Physics.

Science electives: May be taken after the specified prerequisites listed below.



Millard North High School IB Diploma Programme Students Only

Follow one of the sequences depicted below, preferred sequence is bolded.

Group 4 - Experimental Sciences	9th Grade	10th Grade	11th Grade	12th Grade
Biology SL	Biology	Chemistry	Physics or AP Physics I	Biology SL
	Biology	Chemistry Physics or AP Physics I	Biology SL	
	Biology	P.Science Chem/ P.Science Physics	Biology SL	
Biology HL	Biology	Chemistry Physics or AP Physics I	Biology HL I	Biology HL II
Chemistry HL	Biology	Chemistry Physics or AP Physics I	Chemistry HL I	Chemistry HL II
	Biology	Physics Introduction to IB Chemistry (semester)	Chemistry HL I	Chemistry HL II
Physics SL	Biology	Chemistry	Physics or AP Physics I	Physics SL
	Biology	Chemistry Physics or AP Physics I	Physics SL	
	Biology	Chemistry	Introduction to IB Physics (semester)	Physics SL
Physics HL	Biology	Chemistry Physics or AP Physics I	Physics HL I	Physics HL II
	Biology	Chemistry Intro to IB Physics (semester)	Physics HL I	Physics HL II
Computer Science HL			Computer Science HL I	Computer Science HL II

SCIENCE

All students must successfully complete 30 credits of science in order to meet the minimum graduation requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SCIENCE										
0321 A/B	Introduction to IB Chemistry and IB Physics	10	10	C, P	MA10, 0327	*	*	*	*	*
0327 A/B	Biology	10	9			*	*	*	*	*
0328	Physical Science: Chemistry	5	10-11	C	0327	*	*	*	*	*
0329	Physical Science: Physics	5	10-11	P	0327	*	*	*	*	*
0333	Zoology	5			0327	*	*	*	*	*
0334 A/B	Chemistry	10		C	0211 or MA10, 0327	*	*	*	*	*
0335	Astronomy	5				*	*	*	*	*
0346	Environmental Science	5			0327	*	*	*	*	*
0347 A/B	AP Environmental Science	10			0327†	*	*	*	*	*
0352 A/B	Physics	10	10-11	P	0231, 0233†, MA18, or MA20†, 0327	*	*	*	*	*
0362 A/B	Human Anatomy and Physiology	10			0327	*	*	*	*	*
0370 A/B	AP Chemistry	10			0231, 0233†, MA18 or MA20†, 0334†	*	*	*	*	*
0371 A/B	IB Chemistry HL I	10	11		0321† or 0334, 0231 or 0233†, and MA18 or MA20†	*	*			
0372 A/B	IB Chemistry HL II	10	12		0371	*	*			
0375 A/B	IB Biology SL	10	11-12		0334, 0352	*	*			
0376 A/B	IB Biology HL I	10	11		0334 and 0352	*	*			
0377 A/B	AP Biology	10			0327, 0334	*	*	*	*	*
0378 A/B	IB Biology HL II	10	12		0376	*	*			
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0327, 0231, 0233†, MA10	*	*	*	*	*
0384 A/B	AP Physics 2: Algebra-Based	10			0352 or 0383† and 0238, 0239, or MA54	*	*	*	*	*
0380 A/B	IB Physics SL	10	11-12		0334 and 0352, or 0321†	*	*			
0381 A/B	IB Physics HL I	10	11		0334 and 0352, or 0321†	*	*			
0382 A/B	IB Physics HL II	10	12		0381	*	*			

† = See course descriptions for additional requirements

C = Fulfills the Chemistry Graduation Requirement

P = Fulfills the Physics Graduation Requirement

SCIENCE

0321 INTRODUCTION TO IB CHEMISTRY AND IB PHYSICS 10 North only 10 Credits

Description: Introduction to IB Chemistry and IB Physics will offer the Pre-Diploma Programme students a full year of Chemistry concepts during the first semester and a full year of Physics concepts during the second semester in preparation for IB Chemistry and IB Physics. Chemistry and Physics topics will be taught in a rigorous, fast-paced, and integrated manner within this Millard Public Schools developed course. Laboratory work will emphasize open-ended questions, and students will design experiments to answer these questions. Evaluation of student work will be based on IB models.

Prerequisites: Biology, Algebra 1 and concurrent enrollment in Algebra 2. Students must be enrolled in the IB program.

0327 BIOLOGY**9**

10 Credits

Description: Biology offers an opportunity to explore diversity and interdependence in our living world. This course provides a general overview of major biological topics including the cell, ecology, genetics, biochemistry and interdependence of organisms, and related Earth science concepts. Students will develop a conceptual understanding of biology as they acquire important information and refine their laboratory skills, through inquiry and 3-Dimensional teaching and learning strategies.

Prerequisites: None

0333 ZOOLOGY

5 Credits

Description: Zoology is an opportunity for students to explore the animal kingdom. In this lab course, students will use 3-Dimensional teaching and learning strategies to discover the various interactions and behaviors of animals in their environment and how humans are affecting the environment. In addition, students will examine the structure and function of animal systems through the dissections of preserved animals.

Prerequisites: Biology

0334 CHEMISTRY

10 Credits

Description: In Chemistry, students develop a strong understanding of atomic structure, chemical properties, periodicity, and reactions while enhancing critical thinking and lab skills through hands-on experiences utilizing 3-Dimensional teaching and learning strategies. In addition, related space science concepts are explored. This college preparatory class is beneficial for all students going to college, not just students planning to major in science.

Prerequisites: Biology, Algebra I (or Algebra I/Geo: Foundations 2) or Algebra 1 and concurrent enrollment in Algebra 2

0328 PHYSICAL SCIENCE: CHEMISTRY**10-11**

5 Credits

Description: In Physical Science: Chemistry, students explore traditional concepts of atomic structure, properties of matter, and interactions of matter, as well as related space science concepts, while enhancing critical thinking and lab skills through hands-on experiences utilizing 3-Dimensional teaching and learning strategies.

Prerequisites: Biology

0335 ASTRONOMY

5 Credits

Description: This course offers an opportunity to explore various astronomy topics through 3-Dimensional teaching and learning strategies. Students will build their knowledge of the physical process that shaped the universe with emphasis on the development of an Earth Moon system, formation of the solar system, life cycles of stars, and Earth's space within the galaxy and universe. The goal of the course is to explore the universe and its development over time.

Prerequisites: None

0346 ENVIRONMENTAL SCIENCE

5 Credits

Description: This course will help students become aware of how they fit into the delicate balance of their environment through 3-Dimensional teaching and learning strategies. Students will analyze natural and human-made environmental problems, evaluate their risks and examine potential actions for preventing or solving these problems. Critical thinking, utilization of lab skills, and participation in hands-on experiences will be significant components of this course.

Prerequisites: Biology

0352 PHYSICS**10-11**

10 Credits

Description: Students will investigate the physical world through hands-on, technology-based laboratory experiences that emphasize critical thinking and problem solving through 3-Dimensional teaching and learning strategies. This course will provide insight into topics of forces and motion, gravitation, heat, energy transformations, nuclear energy, electricity and magnetism, light, sound, and relevant Earth science concepts.

Prerequisites: Biology, Algebra II (or Honors Algebra II or Algebra II: Foundations 4), or Algebra 2 (or Honors Algebra 2) and completion or concurrent enrollment in Algebra 3 (or Honors Algebra 3)

0329 PHYSICAL SCIENCE: PHYSICS**10-11**

5 Credits

Description: In Physical Science: Physics, students use hands-on, technology-based laboratory experiences to explore and verify Newton's three laws of motion, universal forces, energy transformations, heat, sound, light, nuclear physics, and related Earth science concepts through 3-Dimensional teaching and learning strategies.

Prerequisites: Biology

0347 ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE 10 Credits

Description: In this course, students learn about the interrelationships of the natural world. Students analyze natural and human-made environmental problems, evaluate their risks, and examine potential solutions for preventing or solving these problems. Critical thinking is necessary in this course that includes a strong laboratory and field investigation component. Completion of this course will prepare students to take the Advanced Placement® Environmental Science exam.

Prerequisites: Biology and 10 credits from the following courses: Chemistry, Physics, Physical Science: Chemistry, or Physical Science: Physics

0362 HUMAN ANATOMY AND PHYSIOLOGY 10 Credits

Description: This course is an in-depth study of the structure and function of human body systems. Through 3-Dimensional teaching and learning strategies, students will refine their laboratory skills and develop a conceptual understanding of the human body. Students will participate in dissection of preserved specimens, explore current health topics such as the cause and prevention of disease, and acquire health occupational skills.

Prerequisites: Biology

0370 ADVANCED PLACEMENT® CHEMISTRY 10 Credits

Description: This course provides a rigorous, in-depth study centered around six big ideas: atomic structure of matter, chemical bonding and interactions, chemical and physical changes of matter, rates of chemical reaction, laws of thermodynamics, and equilibrium. Advanced inquiry and reasoning skills will be developed in this course, including intensive laboratory experiences. Advanced Placement® Chemistry is designed to be equivalent to college level general chemistry courses; therefore, student expectations and outcomes will be similar. Completion of this course will prepare students to take the Advanced Placement® Chemistry exam.

Prerequisites: Chemistry, Algebra II (or Honors Algebra II), Algebra 2 (or Honors Algebra 2) and concurrent enrollment in Algebra 3 or Honors Algebra 3 or higher

0371 IB CHEMISTRY HL I **11 North only** 10 Credits

Description: IB Chemistry HL I is the first year, grade 11, of a two-year sequence for IB students testing Higher Level. This course provides an in-depth study of the structure of matter (atomic theory, atomic structure, chemical bonding, nuclear chemistry), states of matter (gasses, liquids, solids, solutions), and reactions (reaction types, stoichiometry, equilibrium, kinetics, thermodynamics). IB Chemistry HL I is designed to be equivalent to college level general chemistry courses; therefore, student expectations and outcomes will be similar. In addition to the traditional classroom format, students participate in an intensive laboratory experience and become familiar with current scientific literature.

Prerequisites: IB student needs completion of Chemistry or Introduction to IB Chemistry and IB Physics (0321A) and Algebra II (or Honors Algebra II), Algebra 2 (or Honors Algebra 2) and concurrent enrollment in Algebra 3 (or Honors Algebra 3) or higher

0372 IB CHEMISTRY HL II **12 North only** 10 Credits

Description: This course provides an in-depth study of the major concepts in chemistry. This course is the second of the two-year course designed to prepare a student to take the IB Chemistry Higher Level examination. Students will develop a wide range of practical skills: investigation design, data collection and analysis, and communication of findings. Topics of study will include chemical reactions, organic chemistry, data analysis, and energy. Students will participate in intensive laboratory experience, which will be a component of the student's internal assessment for the course.

Prerequisites: IB Chemistry HL I

0375 IB BIOLOGY SL **11-12 North only** 10 Credits

Description: This one-year course provides an in-depth study of the major concepts and themes in biology. The course is designed to prepare a student to take the IB Standard Level examination or the AP examination. Approximately 25% of class time will be devoted to laboratory experiences, which will be a component of the student's internal assessment for the course. In addition to lecture/discussion and laboratory, class time will be used for IB students to work on an interdisciplinary Group 4 project.

Prerequisites: Chemistry and Physics OR Physical Science: Chemistry and Physical Science: Physics

0376 IB BIOLOGY HL I**11 North only 10 Credits**

Description: This course provides an in-depth study of the major concepts and themes in biology. This course is the first year of the two-year course designed to prepare a student to take the IB Biology Higher Level examination. It is equivalent to a college level General Biology course. Approximately 25% of class time will be devoted to laboratory experiences that will be a component of the student's internal assessment for the course.

Prerequisites: Chemistry and Physics

0377 ADVANCED PLACEMENT® BIOLOGY**10 Credits**

Description: Advanced Placement® Biology provides an in-depth study of the rigorous components of the life sciences and emphasizes traditional and current biology concepts. This course is equivalent to a college-level introductory biology course and provides a strong preparation for post-high school science. This lab-based course may include the dissection of preserved specimens. AP Biology students should possess strong writing, reading, and analytical skills. Completion of this course will prepare students to take the Advanced Placement® Biology exam.

Prerequisites: Biology and Chemistry

0378 IB BIOLOGY HL II**12 North only 10 Credits**

Description: This course provides an in-depth study of the major concepts and themes in biology. This course is the second of the two-year course designed to prepare a student to take the IB Biology Higher Level examination. It is equivalent to a college level General Biology course. Approximately 25% of class time will be devoted to laboratory experiences, which will be a component of the student's internal assessment for the course. In addition to lecture/discussion and laboratory, class time will be used to work on an interdisciplinary Group 4 project.

Prerequisites: IB Biology HL I

0380 IB PHYSICS SL**11-12 North only 10 Credits**

Description: The standard level physics course is a study of classical and modern physics. The core syllabus describes a non-calculus-based study of the fundamental topics of physics. The emphasis is on personal experience in the scientific method. While focusing on the development of both scientific knowledge and scientific activity, students of IB Physics SL will make connections within the three domains of physics: laws of physics, experimental skills, and the social and historical aspects.

Prerequisites: Chemistry and Physics OR and Intro to IB Chemistry and Physics

0381 IB PHYSICS HL I**11 North only 10 Credits**

Description: This course is the first year of the two-year course designed to prepare a student to take the IB Physics Higher Level examination. The course is a study of classical and modern physics. The core syllabus describes a non-calculus-based study of the fundamental topics of physics. The emphasis is on personal experience in the scientific method. While focusing on the development of both scientific knowledge and scientific activity, students of Physics HL I will make connections within the three domains of physics: laws of physics, experimental skills, and the social and historical aspects.

Prerequisites: Chemistry and Physics OR Intro to IB Chemistry and Physics

0382 IB PHYSICS HL II**12 North only 10 Credits**

Description: The second year of IB Higher Level Physics continues the study of classical and modern Physics. During the second year HL students will study the core syllabus in more depth. In addition to the greater detail of the core, HL students may cover medical and/or particle Physics. HL students will continue the emphasis on the scientific method and studying the impact of human activities on the Earth from a scientific viewpoint.

Prerequisites: IB Physics HL I

0383 ADVANCED PLACEMENT® PHYSICS 1: ALGEBRA-BASED**10-12****10 Credits**

Description: Students will engage in hands-on exploration while developing an understanding of Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; mechanical waves and sound; and electric circuits and relevant, heat, nuclear, and earth science topics. This course is the equivalent to a first-semester college course in algebra-based physics. Completion of this course will prepare students to take the Advanced Placement® Physics 1: Algebra-Based exam. Students who successfully completed 0329 Physical Science: Physics may also take this course as a science elective during eleventh or twelfth grade. Students who successfully completed 0352 Physics are encouraged to take 0384 AP Physics 2: Algebra-Based.

Prerequisites: Biology, Algebra II (or Honors Algebra II or Algebra II: Foundations 4), or Algebra 1 and completion or concurrent enrollment in Algebra 2, Honors Algebra 2, Algebra 3 or Honors Algebra 3

0384 ADVANCED PLACEMENT® PHYSICS 2: ALGEBRA-BASED

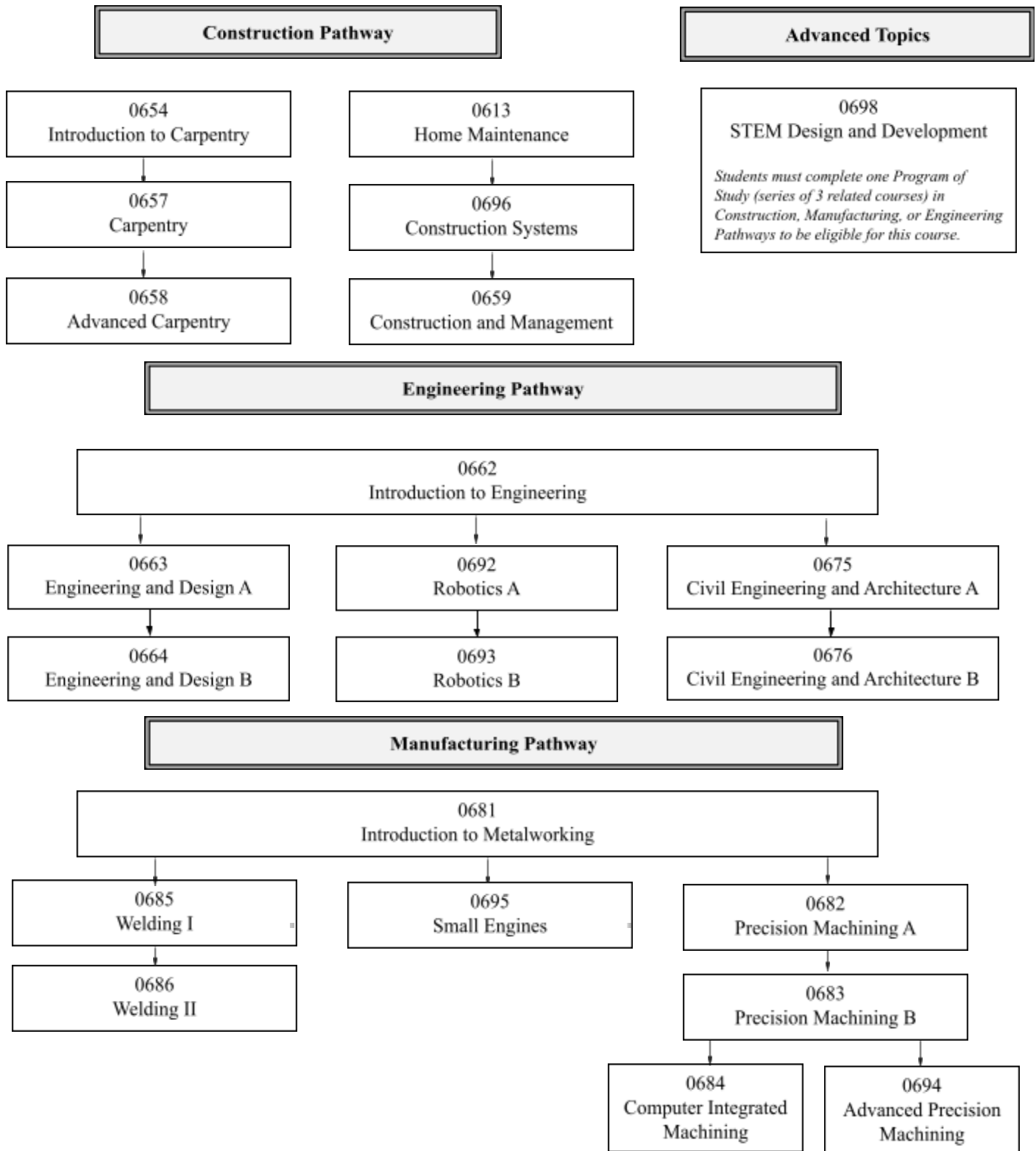
10 Credits

Description: Students will engage in hands-on exploration while developing an understanding of fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course is the equivalent to a second-semester college course in algebra-based physics. Completion of this course will prepare students to take the Advanced Placement® Physics 2: Algebra-Based exam.

Prerequisites: Physics or AP Physics 1: Algebra-Based and completion or concurrent enrollment in Precalculus or Honors Precalculus OR AP Precalculus

SKILLED AND TECHNICAL SCIENCES (STS)

Materials for basic projects will be provided; however, students who select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray the cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced meals waivers should discuss cost with their instructors.



SKILLED AND TECHNICAL SCIENCES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horiz on High School	North High School	South High School	West High School
SKILLED AND TECHNICAL SCIENCES										
Construction Pathway										
0654	Introduction to Carpentry	5						*	*	*
0657	Carpentry	5			0654			*	*	*
0658	Advanced Carpentry	5			0657			*	*	*
0613	Home Maintenance	5						*	*	*
0696	Construction Systems	5			0613			*	*	*
0659	Construction and Management	5			0696			*	*	*
Engineering Pathway										
0662	Introduction to Engineering	5		T				*	*	*
0663	Engineering and Design A	5			0662			*	*	*
0664	Engineering and Design B	5			0663			*	*	*
0675	Civil Engineering and Architecture A	5			0662			*	*	*
0676	Civil Engineering and Architecture B	5			0675			*	*	*
0692	Robotics A	5			0662			*	*	*
0693	Robotics B	5			0692			*	*	*
Manufacturing Pathway										
0681	Introduction to Metalworking	5						*	*	*
0682	Precision Machining A	5			0681			*	*	*
0683	Precision Machining B	5			0682			*	*	*
0684	Computer Integrated Machining	5			0683			*	*	*
0694	Advanced Precision Machining	5			0684			*	*	*
0695	Small Engines	5			0681			*	*	*
0685	Welding I	5			0681			*	*	*
0686	Welding II	5			0685			*	*	*
Advanced Topics										
0698 A/B	STEM Design and Development	10			***			*	*	*
*** Students must complete one Program of Study (series of 3 related courses) in Construction, Manufacturing, or Engineering Pathways to be eligible for this course.										

T = Fulfills Technology Education Graduation Requirement

CONSTRUCTION PATHWAY

0654 INTRODUCTION TO CARPENTRY

5 Credits

Description: Introduction to Carpentry provides instruction in the use and safe handling of hand tools, portable power, and stationary power tools. Fundamental principles of project planning, design, fabrication, and career exploration are completed through multiple hands-on projects.

Prerequisites: None

0657 CARPENTRY

5 Credits

Description: Carpentry provides students with the skills and knowledge needed to correctly perform construction/woodworking operations using hand tools, power tools, and stationary power tools. Instruction emphasizes safe, proper operation and care of equipment, selection of construction materials, understanding processes, and the importance of design. Students will design, build, and finish multiple hands-on projects.

Prerequisites: Introduction to Carpentry

0658 ADVANCED CARPENTRY

5 Credits

Description: Advanced Carpentry provides students with advanced skills and knowledge needed to perform upper-level construction/woodworking operations using woodworking tools and machines. Students will obtain job-related, entry-level skills in cabinet/furniture design, material selection, project estimating, and construction. Independent student projects within this class are based on student interests and abilities. This course can be repeated for elective credit.

Prerequisites: Carpentry

0613 HOME MAINTENANCE

5 Credits

Description: Home Maintenance is an exploratory level course for all future homeowners. This course will introduce the learner to knowledge and skills in the areas of masonry, carpentry, plumbing, electricity, insulation, drywall, interior wall finish, exterior wall finish and repair, and basic auto. The students will also explore career opportunities in these areas.

Prerequisites: None

0696 CONSTRUCTION SYSTEMS

5 Credits

Description: Construction Systems introduces students to house construction framing basics, fasteners, materials, and print reading through hands-on project-based activities. Included in the class will be hands-on experiences in material selection, framing of exterior/interior walls, door/window openings, and other common residential construction components.

Prerequisites: Home Maintenance

0659 CONSTRUCTION AND MANAGEMENT

5 Credits

Description: Construction and Management provides students with a hands-on career exploratory experience in the construction industry. Students will study surveying and site preparation, residential construction styles, foundations, framing, roofing, siding, and applying construction management skills such as estimating and project planning to build a physical structure. Emphasis will be placed on basic entry-level skills, demonstration of employability skills, and development of an awareness of the opportunities in the building trades.

Prerequisites: Construction Systems

ENGINEERING PATHWAY

0662 INTRODUCTION TO ENGINEERING

5 Credits

Description: Introduction to Engineering encourages students to use a problem-solving model to explore the principles of robotics, engineering, architecture and design. Students will use sophisticated 3-dimensional modeling software to communicate the details of these products. Students will use this course to help decide which engineering path(s) they would like to explore further. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

0663 ENGINEERING AND DESIGN A

5 Credits

Description: How was your phone designed, why was it designed in that way? Have you ever taken something apart just to see how it works; or to improve it? In Engineering and Design A, we will continue to improve our design skills and begin taking the next step from design to creation using 3-D printers and laser technology.

Prerequisites: Introduction to Engineering

0664 ENGINEERING AND DESIGN B

5 Credits

Description: Ever flown a drone or ridden a bike and thought that you could improve it somehow, make it better than others? In Engineering and Design B students will continue learning about product design while developing the knowledge of tools and machines used in the creation of products. Students will learn about Electronics and Coding to create control devices, and the use of Computer Integrated Machining (CIM) to create precision parts for their products.

Prerequisites: Engineering and Design A

0675 CIVIL ENGINEERING AND ARCHITECTURE A

5 Credits

Description: Have you ever looked at a building, bridge or structure and wondered how they were built, thought about the amazing ability of humans to design and build structures that are as much art as they are function? Then you might be interested in Civil Engineering and Architecture A (CEA). In this course we will learn about the history of CEA and how generations of the past have solved engineering problems. Learn a design software program to help your ideas become a reality and apply engineering principles to real world problems.

Prerequisites: Introduction to Engineering

0676 CIVIL ENGINEERING AND ARCHITECTURE B

5 Credits

Description: Buildings and structures in our world can inspire and amaze us, but they also need to function well for their intended inhabitants and visitors. In Civil Engineering and Architecture B we will investigate design and architecture techniques involved in commercial construction. We will advance our Computer-Aided Design (CAD) skills developing a deeper understanding of Building Information Management (BIM), and we will learn how engineers and architects work together to create structures for the future.

Prerequisites: Civil Engineering and Architecture A

0692 ROBOTICS A

5 Credits

Description: In Robotics A students work with mechanical systems such as gear systems, mechanical advantage, motion, as well as programming. This hands-on course will have students problem solve and creatively think about robotic engineering tasks and challenges.

Prerequisites: Introduction to Engineering

0693 ROBOTICS B

5 Credits

Description: Robotics B expands on the concepts of Robotics A. Students will have to work with others as they are tasked with completing a challenge. These larger projects will require more advanced mechanism and programming skills to be able to successfully complete the required task. This course can be repeated for elective credit.

Prerequisites: Robotics A

MANUFACTURING PATHWAY**0681 INTRODUCTION TO METALWORKING**

5 Credits

Description: This course provides the skills and technical knowledge for a beginning student in areas of industry, safety, material, equipment, and process understanding.

Prerequisites: None

0682 PRECISION MACHINING A

5 Credits

Description: Students will be introduced to the basic modern manufacturing process of metals.

Prerequisites: Introduction to Metalworking

0683 PRECISION MACHINING B

5 Credits

Description: Students will be introduced to modern manufacturing automated processes using computer numerical controlled tools and equipment Computer Numeric Control (CNC).

Prerequisites: Precision Machining A

0684 COMPUTER INTEGRATED MACHINING

5 Credits

Description: Students will use advanced computer numerical controlled tools and equipment (CNC) to produce parts and projects to industry standards and specifications.

Prerequisites: Precision Machining B

0694 ADVANCED PRECISION MACHINING

5 Credits

Description: Students will utilize tools and equipment to produce parts and projects within specifications using metal. This course can be repeated for elective credit.

Prerequisites: Computer Integrated Machining

0695 SMALL ENGINES

5 Credits

Description: This course will provide students with basic knowledge and skills of the tools and systems needed to maintain small engines.

Prerequisites: Introduction to Metalworking

0685 WELDING I

5 Credits

Description: This course introduces students to arc welding and cutting processes.

Prerequisites: Introduction to Metalworking

0686 WELDING II

5 Credits

Description: This course is a continuation of learning the knowledge and skills of the welding industry. This course can be repeated for elective credit.

Prerequisites: Welding I

ADVANCED TOPICS**0698 STEM DESIGN AND DEVELOPMENT**

10 Credits

Description: STEM Design and Development is a collaborative course where students from diverse educational experiences come together as a team to define and solve real world problems through the use of science, technological skills, and engineering application.

Prerequisites: Students must complete one program of study (series of 3 related courses) in Construction, Manufacturing, or Engineering Pathways to be eligible for this course.

SOCIAL STUDIES

Required for Graduation <i>(Suggested Sequence)</i>					
9th Grade		10th Grade		11th or 12th Grade	
0408	World Geography OR	0420	World History OR	0449	United States History OR
0456	AP Human Geography	0424	AP World History	0450	AP United States History
AND					
				0414	United States Government and Economics OR
				0415	AP United States Government and Politics

Note: When taking AP Human Geography (0456A/B) students must successfully complete the entire course. If 0456A/B AP Human Geography is dropped or not passed, a student will need to enroll in 0408 World Geography to fulfill the World Geography graduation requirement.

Electives

- 0415 AP United States Government and Politics**
- 0422 World Religions***
- 0424 AP World History**
- 0425 Human Diversity*
- 0426 International Relations*
- 0430 Introduction to Behavioral Science*
- 0431 Sociology*
- 0432 Psychology*
- 0433 IB Psychology* (North)
- 0442 Law Studies****
- 0450 AP United States History**
- 0451 AP European History
- 0453 AP Psychology****
- 0456 AP Human Geography**

* Fulfills Human Resources Graduation Requirement

** May be taken for elective credit if not taken to fulfill a Social Studies Graduation Requirement

*** Fulfills Human Resources Graduation Requirement when completed 2022-2023 and later

****After successfully completing one semester of AP Psychology students will have fulfilled the required 5 Human Resource credits for graduation.

IB Courses (North High School)

11th-12th Grade		12th Grade	
0458	IB Early Modern World History SL/HL I	0455	IB History of the Americas HL II
0433	IB Psychology SL (HR)		
0850	IB Theory of Knowledge I (HR)		

SOCIAL STUDIES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SOCIAL STUDIES										
0408	World Geography	5	9			•	•	•	•	•
0414	United States Government and Economics	5	11-12			•	•	•	•	•
V0414	United States Government and Economics	5	11-12			•		•	•	•
0415	AP United States Government and Politics	5	11-12			•		•	•	•
0420 A/B	World History	10	10-12			•	•	•	•	•
0424 A/B	AP World History	10	10-12			•		•	•	•
0422	World Religions	5		HR†	0408 or 0456	•		•	•	•
0425	Human Diversity	5		HR		•	•	•	•	•
0426	International Relations	5		HR		•	•	•	•	•
0430	Introduction to Behavioral Sciences	5		HR		•		•	•	•
0431	Sociology	5	11-12	HR		•	•	•	•	•
0432	Psychology	5	10-12	HR		•	•	•	•	•
V0432	Psychology	5	11-12	HR		•		•	•	•
0433 A/B	IB Psychology SL	10	11-12	HR		•		•		
0442	Law Studies	5	11-12	HR†		•	•	•	•	•
0449 A/B	United States History	10	11-12			•	•	•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10			0408 or 0456	•		•	•	•
0453 A/B	AP Psychology	10	11-12	HR		•		•	•	•
0455 A/B	IB History of the Americas HL II	10	12		0458	•		•		
0456 A/B	AP Human Geography	10				•		•	•	•
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			•		•		
0850	IB Theory of Knowledge I	5	11	HR				•		

HR = Fulfills Human Resources Graduation Requirement

† = See course descriptions for additional requirements.

SOCIAL STUDIES

0408 WORLD GEOGRAPHY

9

5 Credits

Description: Students will function as global citizens. They will exhibit understanding of the interactions between humans and their physical environment, cultural diversity, global interdependence, and international cooperation and conflict. With this understanding, students will develop skills necessary to analyze historical and contemporary events.

Prerequisites: None

0414 UNITED STATES GOVERNMENT AND ECONOMICS

11-12

5 Credits

Description: Students will acquire knowledge and skills necessary to function as educated, concerned, and active citizens in our political and economic systems. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.

Prerequisites: None

V0414 UNITED STATES GOVERNMENT AND ECONOMICS 11-12 5 Credits
Description: This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.

United States Government and Economics students will acquire knowledge and skills necessary to function as educated, concerned, and active citizens in our political and economic systems. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.

Prerequisites: None

0415 ADVANCED PLACEMENT® UNITED STATES GOVERNMENT AND POLITICS 11-12 5 Credits
Description: Students will acquire knowledge and skills necessary to function as educated, concerned and active citizens in our political and economic system. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project. Completion of this course will prepare students to take the Advanced Placement® United States Government and Politics exam.

Prerequisites: None

0420 WORLD HISTORY 10-12 10 Credits
Description: Students will examine the interaction of humans and their environment, development and interaction of cultures, and comparison of economic, political, and social structures in order to analyze their historical impact upon one another. This course explores the time period from prehistory to the present.

Prerequisites: None

0424 ADVANCED PLACEMENT® WORLD HISTORY 10-12 10 Credits
Description: Students will examine concepts such as the interaction of humans and the environment, development and interaction of cultures, comparison of economic, political, and social structures in this college level course. This course covers the time periods from prehistory to the present. Completion of this course will prepare students to take the national Advanced Placement® exam in World History.

Prerequisites: None

0422 WORLD RELIGIONS 5 Credits
Description: Students will analyze the five major religions of the world: Buddhism, Christianity, Hinduism, Islam, and Judaism. Students will explore the basic tenets and history of each religion to evaluate the impact of people, events, ideas and symbols upon each other. This course fulfills the Human Resources Graduation requirement when completed during 2022-2023 or after.

Prerequisites: World Geography or AP Human Geography

0425 HUMAN DIVERSITY 5 Credits
Description: Students will examine contemporary problems faced by social groups, characterized by race, ethnicity, gender, and socioeconomic status, in the United States. Historical contributions and struggles of these groups will be examined and related to present-day life. This course fulfills the Human Resources Graduation Requirement.

Prerequisites: None

0426 INTERNATIONAL RELATIONS 5 Credits
Description: Students will analyze the role of the United States in the international community and the problems faced by our nation. Through a problem-solving approach, major issues will be investigated using historical and contemporary sources with an emphasis on understanding these complex issues. This course fulfills the Human Resources Graduation Requirement.

Prerequisites: None

- 0430 INTRODUCTION TO BEHAVIORAL SCIENCES** 5 Credits
Description: Students will explore the behavioral sciences through the disciplines of anthropology, sociology, and psychology to understand the perspective of each field of study. This course fulfills the Human Resources Graduation Requirement.
Prerequisites: None
- 0431 SOCIOLOGY** 11-12 5 Credits
Description: Students will develop an understanding of group behavior and social interaction through analysis of the structure, values and functions of groups in various levels of our society. This course fulfills the Human Resources Graduation Requirement.
Prerequisites: None
- 0432 PSYCHOLOGY** 10-12 5 Credits
Description: Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. This course fulfills the Human Resources Graduation Requirement.
Prerequisites: None
- V0432 PSYCHOLOGY** 11-12 5 Credits
Description: This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration.
- Psychology students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. This course fulfills the Human Resources Graduation Requirement.
Prerequisites: None
- 0433 IB PSYCHOLOGY SL** 11-12 North only 10 Credits
Description: This course enables students to promote an awareness of and respect for the psychological diversity of human beings with reference to their biological, social, and cultural influences. Students will develop an appreciation of the broad scope of psychology, as well as an understanding of the different theoretical approaches utilized in understanding behavior. They will be able to describe, compare, and evaluate the key ideas of all four of psychology’s major perspectives, as well as the historical and cultural contexts in which each developed. Students will be introduced to scientific methodology used in psychological inquiry, demonstrate their ability to design, conduct, and report a simple experiment, as well as review ethical practices and responsibilities essential to such inquiry. Ultimately, they will explore the practical applications of psychology and demonstrate the relevance of psychology to daily life, from the individual level to the global level representing an international perspective. This course fulfills the Human Resources Graduation Requirement.
Prerequisites: None
- 0442 LAW STUDIES** 11-12 5 Credits
Description: Students will investigate the field of law and our criminal justice system. Topics include criminal behavior, the Bill of Rights, police work, prosecution, the courts, our correctional system, and civil and criminal law. This course fulfills the Human Resources Graduation requirement when completed during 2022-2023 or after.
Prerequisites: None
- 0449 UNITED STATES HISTORY** 11-12 10 Credits
Description: Students will evaluate major events in United States history beginning with the Progressive Era and continuing towards the present to research, analyze and understand past, current and potential issues and events at the local, state and national levels.
Prerequisites: None

0450 ADVANCED PLACEMENT® UNITED STATES HISTORY 11-12 10 Credits

Description: Students will study the history of the United States chronologically from the pre-colonial era moving toward the present. Completion of this college level course will prepare students to take the Advanced Placement® United States History exam.

Prerequisites: None

0451 ADVANCED PLACEMENT® EUROPEAN HISTORY 10 Credits

Description: Students will study European history since 1450 and examine cultural, economic, political, and social developments that played a fundamental role in shaping the world. Completion of this college level course will prepare students to take the Advanced Placement® exam in European History.

Prerequisites: World Geography or AP Human Geography

0453 ADVANCED PLACEMENT® PSYCHOLOGY 11-12 10 Credits

Description: Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. Students will evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principles, and phenomena associated with the major subfields of psychology. This course fulfills the Human Resources Graduation Requirement. Completion of this course will prepare students to take the Advanced Placement® Psychology exam. After successfully completing one semester of AP Psychology students will have fulfilled the required 5 Human Resource credits for graduation.

Prerequisites: None

0456 ADVANCED PLACEMENT® HUMAN GEOGRAPHY 10 Credits

Description: Students will explore the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science practice. Completion of this course will prepare students to take the Advanced Placement® Human Geography exam. When taking AP Human Geography (0456A/B) students must successfully complete the entire course. If 0456A/B AP Human Geography is dropped or not passed, a student will need to enroll in 0408 World Geography to fulfill the World Geography graduation requirement.

Prerequisites: None

0458 IB EARLY MODERN WORLD HISTORY SL/HL I 11-12 North only 10 Credits

Description: Students will examine the creation of global systems and the establishment of modern political, economic, and social institutions. The course traces the development of global systems like The Silk Road and The Indian Ocean Network, the final days of Islamic Spain, European and Asian Exploration, and the establishment of the New World. Students will explore the developments in thought through the European Enlightenment to critically examine the age of revolutions in the Americas from 1754 through 1812. IB Early Modern World History SL/HL I is taken as either a one year course for students studying history at the standard level, or as the first year of the two year higher level History of the Americas course.

Prerequisites: None

0455 IB HISTORY OF THE AMERICAS HL II 12 North only 10 Credits

Description: The History of the Americas course uses the Americas as its regional option. It is a one-year curriculum where students will study common experiences in the Americas through a comparative analysis of the histories of the United States, Latin America, and Canada. The course will center on the following themes: history, politics, culture, society, economics, technology diplomacy, and international affairs. This course is offered with IB Early Modern World History SL/HL I as part of a two-year curriculum. It will focus on regional case studies of the Americas, and students will be testing at IB higher level. This course fulfills the United States History Graduation requirement.

Prerequisites: IB Early Modern World History SL/HL I

0850 IB THEORY OF KNOWLEDGE I 11 North only 5 Credits

Description: The Theory of Knowledge course is a required component of all International Baccalaureate® Programme diploma candidates and is an elective course for students not working toward an IB diploma. The course may be seen as a matrix in which the distinct forms of knowledge specific to the various subject areas can be critically evaluated, compared and contrasted, and, to an appropriate degree, integrated. The Theory of Knowledge course is intended to encourage students to develop a critical awareness of what they and others know through analyzing concepts, arguments and the basis of value judgments. The course is taught as a two-year sequence beginning in the junior year. TOK I will satisfy the 5 credit Human Resources requirement in 11th grade.

Prerequisites: None

SPECIAL EDUCATION

All students must be verified with a special education disability to qualify for the following classes. Each course will be differentiated to fit the needs of the students based on the students' Individual Educational Program (IEP). These courses are NOT college preparatory; however, they do fulfill the necessary requirements for graduation. All listed courses may not be offered each semester due to insufficient student enrollment or staff availability.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SPECIAL EDUCATION										
0900 A/B	Fundamental English	10			†			•	•	•
0903 A/B	Essentials of English 11	10	11		†			•	•	•
0908 A/B	Fundamental Reading	10			†			•	•	•
0920 A/B	Fundamental Mathematics	10			†			•	•	•
0927	Foundational Mathematics	5			†			•	•	•
0930 A/B	Fundamental Science	10			†			•	•	•
0932 A/B	Essentials of Biology	10	9		†			•	•	•
0933	Essentials of Human Anatomy and Physiology I	5	11-12		†			•	•	•
0934	Essentials of Human Anatomy and Physiology II	5	11-12		†			•	•	•
0935	Essentials of Environmental Science	5	10-12		†			•	•	•
0936	Essentials of Physical Science: Chemistry	5	10-11	C	†			•	•	•
0937	Essentials of Physical Science: Physics	5	10-11	P	†			•	•	•
0940 A/B	Fundamental Social Studies	10			†			•	•	•
0944	Essentials of United States Government & Economics	5	11-12		†			•	•	•
0946	Essentials of World Geography	5	9		†			•	•	•
0947	Essentials of Human Diversity	5		HR	†			•	•	•
0948 A/B	Essentials of World History	10	10		†			•	•	•
0949 A/B	Essentials of United States History	10	11-12		†			•	•	•
0950	Fundamental Daily Living	5	10-12	H	†			•	•	•
0951	Fundamental Independent Living	5			†			•	•	•
0952	Career Readiness Skills and Exploration	5			†			•	•	•
0953	College Readiness Skills and Exploration	5			†			•	•	•
0957	Transition to Adult Living	5			†			•	•	•
0960	Fundamental Personal Finance	5		FL	†			•	•	•
0970 A/B	Fundamental Technology	10			†			•	•	•
0971 A/B	Fundamental Prevocational Skills	10			†			•	•	•
0972	Fundamentals of Speech	5		OC	†			•	•	•
0973	Work Introduction Network I	5		HR	†			•	•	•
0974	Work Introduction Network II	5			†			•	•	•

C = Fulfills Chemistry Graduation Requirement

FL = Fulfills Financial Literacy Graduation Requirement

H = Fulfills Health Education Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

P = Fulfills Physics Graduation Requirement

† = See course descriptions for additional requirements

SPECIAL EDUCATION

0900 FUNDAMENTAL ENGLISH

10 Credits

Description: This course is designed for students who require an alternate curriculum in written and oral expression. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0903 ESSENTIALS OF ENGLISH 11

11

10 Credits

American Literature and Composition

Description: Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will study a variety of methods, including, but not limited to, essays, presentations, and creative critical thinking activities. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities. Students may utilize additional/supplemental curriculum materials to meet their individual needs.

Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head & Building Admin.

0908 FUNDAMENTAL READING

10 Credits

Description: This course is designed for students who require an alternate curriculum in reading. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0920 FUNDAMENTAL MATHEMATICS

10 Credits

Description: This course is designed for students who require an alternate curriculum in mathematics. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0927 FOUNDATIONAL MATHEMATICS

5 Credits

Description: This course is designed for students who require additional support and modification in mathematics.

Prerequisites: IEP Team Recommendation

0930 FUNDAMENTAL SCIENCE

10 Credits

Description: This course is designed for students who require an alternate curriculum in science. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0932 ESSENTIALS OF BIOLOGY

9

10 Credits

Description: This course offers an opportunity to explore diversity and interdependence in our living world. This course provides a general overview of major biological topics including the cell, genetics, biochemistry, interdependence of organisms, and related Earth science concepts. Through inquiry, students develop a conceptual understanding of biology as they acquire important information and refine their laboratory skills.

Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator

0936 ESSENTIALS OF PHYSICAL SCIENCE: CHEMISTRY

10-11

5 Credits

Description: In this course students explore traditional concepts of atomic structure, properties of matter, and interactions of matter, as well as related space science concepts, while enhancing critical thinking and lab skills through hands-on experiences utilizing 3-Dimensional teaching and learning strategies. Completion of this 5 credit course fulfills the chemistry graduation requirement.

Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator

- 0937 ESSENTIALS OF PHYSICAL SCIENCE: PHYSICS** 10-11 5 Credits
Description: In this course students use hands-on, technology-based laboratory experiences to explore and verify Newton's three laws of motion, universal forces, energy transformations, heat, sound, light, nuclear physics, and related Earth science concepts through 3-Dimensional teaching and learning strategies. Completion of this 5 credit course fulfills the physics graduation requirement.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0933 ESSENTIALS OF HUMAN ANATOMY AND PHYSIOLOGY I** 11-12 5 Credits
0934 ESSENTIALS OF HUMAN ANATOMY AND PHYSIOLOGY II 11-12 5 Credits
Description: These courses are a basic study of the structure and function of human body systems. They are recommended for students interested in learning about the structure and function of the human body, exploring current health topics such as cause and prevention of disease, acquiring health occupational skills through 3-Dimensional teaching and learning strategies.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0935 ESSENTIALS OF ENVIRONMENTAL SCIENCE** 10-12 5 Credits
Description: This course will help students become aware of how they fit into the delicate balance of their environment through 3-Dimensional teaching and learning strategies. Students will analyze natural and human-made environmental problems, evaluate their risks, and examine potential actions for preventing or solving these problems. Critical thinking, utilization of lab skills, and participation in hands-on experiences will be significant components of this course.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0940 FUNDAMENTAL SOCIAL STUDIES** 10 Credits
Description: This course is designed for students who require an alternate curriculum in social studies. This course's grading system is pass/fail.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0946 ESSENTIALS OF WORLD GEOGRAPHY** 9 5 Credits
Description: Students will function as global citizens to exhibit understanding of the interactions between humans and their physical environment, cultural diversity, global interdependence, and international cooperation and conflict. With this understanding, students will develop skills necessary to analyze historical and contemporary events.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0944 ESSENTIALS OF UNITED STATES GOVERNMENT AND ECONOMICS** 11-12 5 Credits
Description: This course is designed to help students acquire the knowledge and skills necessary to function as informed, concerned, and active citizens/consumers in our democratic society and complex world. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0947 ESSENTIALS OF HUMAN DIVERSITY** 5 Credits
Description: Students will examine contemporary problems faced by social groups, characterized by race, ethnicity, gender, and socioeconomic status, in the United States. Historical contributions and struggles of these groups will be examined and related to present-day life. This course fulfills the Human Resources Graduation Requirement.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0948 ESSENTIALS OF WORLD HISTORY** 10 10 Credits
Description: Students will examine the interaction of humans and their environment, development and interaction of cultures, and comparison of economic, political, and social structures in order to analyze their historical impact upon one another. This course explores the time period from prehistory to the present.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator

- 0949 ESSENTIALS OF UNITED STATES HISTORY** 11-12 10 Credits
Description: Students will evaluate major events in United States history beginning with the Progressive Era and continuing towards the present to research, analyze and understand past, current, and potential issues and events at the local, state, and national levels.
Prerequisites: IEP Team recommendation and approval by Special Education Dept. Head and Building Administrator
- 0950 FUNDAMENTAL DAILY LIVING** 10-12 5 Credits
Description: This course is designed for students who require an alternate curriculum in the areas of self-care, health education, wellness, and safety. This course fulfills the Health Education Graduation Requirement.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0951 FUNDAMENTAL INDEPENDENT LIVING** 5 Credits
Description: This course is designed for students who require an alternate curriculum in the areas of cooking, household safety and cleanliness, finances, and leisure skills.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0952 CAREER READINESS SKILLS AND EXPLORATION** 5 Credits
Description: This exploratory course provides information to help students become career ready. Students will be exposed to the best practices for job acquisition and maintenance of employment. Knowledge of human relations and practical job skills to succeed and advance on the job are emphasized. Students will strengthen their communication, develop self-determination, and apply academic skills as they apply to the work place.
Prerequisites: IEP Team Recommendation
- 0953 COLLEGE READINESS SKILLS AND EXPLORATION** 5 Credits
Description: This exploratory course provides information to help students become college ready. Post-secondary educational options, such as exploring potential course(s) of study, determining appropriate educational institutions, and discussing financial aid and/or scholarship options will be examined. Students will explore time management strategies, study skills, and the differences between high school and post-secondary educational expectations. Students will strengthen their communication, develop self-determination, and apply academic skills as they apply to post-secondary educational opportunities.
Prerequisites: IEP Team Recommendation
- 0957 TRANSITION TO ADULT LIVING** 5 Credits
Description: Students will investigate concepts to support the transition to adult life. Topics include wellness, meal planning, home maintenance, safety, budgeting, employment, and social/interpersonal skills. Students will practice critical thinking regarding their personal and professional lives. Students will learn to apply problem solving and decision-making skills related to adult living.
Prerequisites: IEP Team Recommendation
- 0960 FUNDAMENTAL PERSONAL FINANCE** 5 Credits
Description: This course is designed for students who require an alternate curriculum for Personal Finance. This course's grading system is pass/fail. This course fulfills the Financial Literacy Graduation Requirement.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0970 FUNDAMENTAL TECHNOLOGY** 10 Credits
Description: This course is designed for students who require an alternate curriculum to access technology. This course's grading system is pass/fail.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0971 FUNDAMENTAL PREVOCATIONAL SKILLS** 10 Credits
Description: This course is designed for students who require an alternate curriculum to learn prevocational work habits and skills in a supported environment. This course's grading system is pass/fail.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0972 FUNDAMENTALS OF SPEECH

5 Credits

Description: This course is designed for students who require an alternate curriculum in intrapersonal and interpersonal communication. This course's grading system is pass/fail and fulfills the Oral Communications Graduation Requirement.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0973 WORK INTRODUCTION NETWORK I

5 Credits

Description: This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas in preparation for competitive employment. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

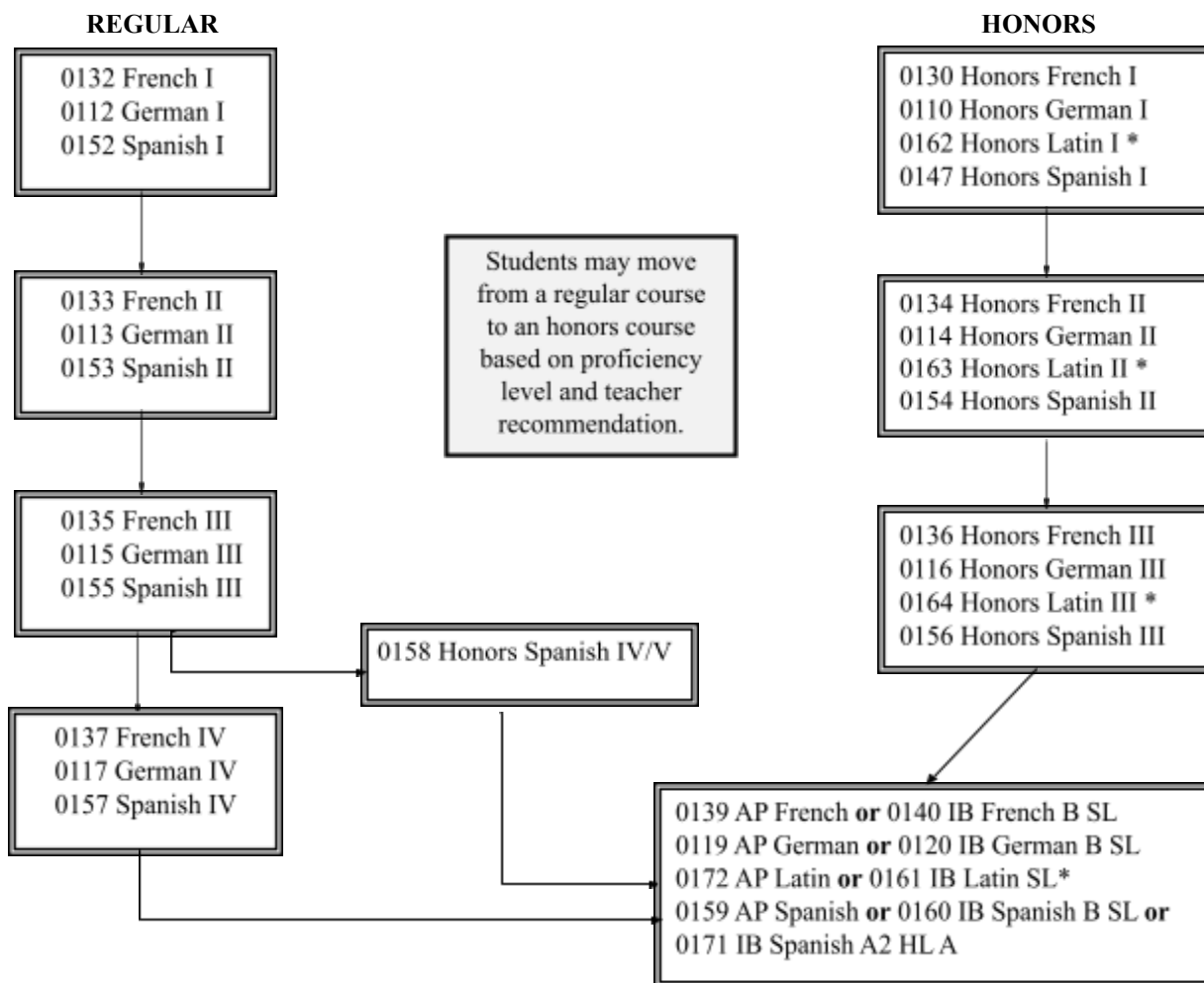
0974 WORK INTRODUCTION NETWORK II

5 Credits

Description: This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas in preparation for competitive employment. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

WORLD LANGUAGE



* All IB courses and Latin courses are offered at Millard North High School only.

Middle School Students taking Spanish A, B, C in middle school are able to take Spanish I, Honors Spanish I, Spanish II, or Honors Spanish II in 9th grade.

Middle School Students taking Spanish II-B in middle school are able to take Spanish III or Honors Spanish III in 9th grade.

Students enrolled in ECHS (MSHS) or IB (MNHS): Please consult with your academic advisor on the best world language course of study.

Students are able to take more than one world language course. Students who enjoy learning languages are encouraged to add an additional world language in order to broaden their language study. Students learning more than two world languages are referred to as polyglots.

Students are highly encouraged to extend their language study throughout their high school years in order to achieve higher proficiency levels.

Students are advised to take consecutive years of the same language. The University of Nebraska system admissions requirements include two years of the same language, and some colleges and programs may require more.

WORLD LANGUAGE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
WORLD LANGUAGE										
0132 A/B	French I	10						•	•	•
0130 A/B	Honors French I	10						•	•	•
0133 A/B	French II	10			0130 or 0132			•	•	•
0134 A/B	Honors French II	10			0130 or 0132			•	•	•
0135 A/B	French III	10			0133 or 0134			•	•	•
0136 A/B	Honors French III	10			0133 or 0134			•	•	•
0137 A/B	French IV	10			0135 or 0136			•	•	•
0139 A/B	AP French Language and Culture	10			0135, 0136 or 0137			•	•	•
0140 A/B	IB French B SL	10	12		0136			•		
0112 A/B	German I	10						•	•	•
0110 A/B	Honors German I	10						•	•	•
0113 A/B	German II	10			0110 or 0112			•	•	•
0114 A/B	Honors German II	10			0110 or 0112			•	•	•
0115 A/B	German III	10			0113 or 0114			•	•	•
0116 A/B	Honors German III	10			0113 or 0114			•	•	•
0117 A/B	German IV	10			0115 or 0116			•	•	•
0119 A/B	AP German Language and Culture	10			0115, 0116 or 0117			•	•	•
0120 A/B	IB German B SL	10	12		0116			•		
0162 A/B	Honors Latin I	10						•		
0163 A/B	Honors Latin II	10			0162			•		
0164 A/B	Honors Latin III	10			0163			•		
0172 A/B	AP Latin	10			0164			•		
0161 A/B	IB Latin SL	10	12		0164			•		
0152 A/B	Spanish I	10						•	•	•
0147 A/B	Honors Spanish I	10						•	•	•
0153 A/B	Spanish II	10			0147 or 0152†			•	•	•
0154 A/B	Honors Spanish II	10			0147 or 0152†			•	•	•
0155 A/B	Spanish III	10			0153 or 0154†			•	•	•
0156 A/B	Honors Spanish III	10			0153 or 0154†			•	•	•
0157 A/B	Spanish IV	10			0156 or 0157			•	•	•
0158 A/B	Honors Spanish IV/Spanish V	10			0155, 0156, or 0157			•	•	•
0159 A/B	AP Spanish Language and Culture	10			0155, 0156, 0157, or 0158			•	•	•
0160 A/B	IB Spanish B SL	10	12		0156			•		
0171 A/B	IB Spanish A2 HL A	10	12		0158			•		

† = See course descriptions for additional requirements.

WORLD LANGUAGE

0132 FRENCH I

10 Credits

Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing at an introductory level. Students will learn about and experience cultural practices relating to the French culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational.

Prerequisites: None

0130 HONORS FRENCH I

10 Credits

Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing. Students will learn about and experience cultural practices relating to the French culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. Students will learn about and experience cultural practices relating to the French culture. Honors Level I is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

Prerequisites: None

0133 FRENCH II

10 Credits

Description: Students will continue learning vocabulary and developing skills to express themselves. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in French.

Prerequisites: French I or Honors French I

0134 HONORS FRENCH II

10 Credits

Description: Students will learn an expanded vocabulary and develop skills at an accelerated pace. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in French. Authentic text will be introduced and students will demonstrate more independence in communication. Honors Level II is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

Prerequisites: French I or Honors French I

0135 FRENCH III

10 Credits

Description: Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will expand their vocabulary and complex mechanics to develop skills utilizing authentic sources. Students will communicate in the present, past, and future tenses. Students will also explore culture through a variety of topics.

Prerequisites: French II or Honors French II

0136 HONORS FRENCH III

10 Credits

Description: Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in French. Honors Level III is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

Prerequisites: French II or Honors French II

0137 FRENCH IV

10 Credits

Description: Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the French culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore culture through a variety of topics. The majority of the course will be conducted in French.

Prerequisites: French III or Honors French III

0139 ADVANCED PLACEMENT® FRENCH LANGUAGE AND CULTURE

10 Credits

Description: Students will improve in all skill areas. Emphasis will be placed on using authentic materials to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. This course will be conducted in French, and students are expected to speak French at all times. Completion of this course will prepare all students to take the Advanced Placement® French Language and Culture exam.

Prerequisites: French III, Honors French III, or French IV

0140 IB FRENCH B SL**12****North only****10 Credits**

Description: A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® exam. The premise of this curriculum is that the student should have a fundamental knowledge of the history, geography, literature, and art/music of the country in order to better understand the modern culture that has evolved and its role in the world. Current events and world affairs will be the core. The continuing study of French civilization and the reading of literary works from more modern periods are the basis of the course. Students work with advanced grammatical materials and use higher level thinking skills in activities that go beyond the functioning level to a more refined level of reading, writing, speaking and listening. The goal of active communication in French is given high priority. Cultural concepts are explored as they relate to literature, civilization, and international studies. Through use of video, magazines and newspapers, the students will deal with current issues in Francophone countries and other countries around the world. The IB curriculum will be emphasized, but students may also sign up to take the Advanced Placement® exam. The necessary Advanced Placement® review materials will be available.

Prerequisites: Honors French III

0112 GERMAN I**10 Credits**

Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing at an introductory level. Students will learn about and experience cultural practices relating to the German culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational.

Prerequisites: None

0110 HONORS GERMAN I**10 Credits**

Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing. Students will learn about and experience cultural practices relating to the German culture. There are five strands or “essential components” present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. Honors Level I is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

Prerequisites: None

0113 GERMAN II**10 Credits**

Description: Students will continue learning vocabulary and developing skills to express themselves. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in German.

Prerequisites: German I or Honors German I

0114 HONORS GERMAN II**10 Credits**

Description: Students will learn an expanded vocabulary and develop skills at an accelerated pace. Students will explore culture through a variety of topics. Using listening, speaking, reading and writing skills, students will communicate in the present and past tenses in German. Authentic text will be introduced and students will demonstrate more independence in communication. Honors Level II is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

Prerequisites: German I or Honors German I

0115 GERMAN III**10 Credits**

Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will learn an expanded vocabulary and complex mechanics to develop skills utilizing authentic sources. Students will communicate in the present, past, and future tenses. Students will also explore culture through a variety of topics.

Prerequisites: German II or Honors German II

0116 HONORS GERMAN III**10 Credits**

Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in German. Honors Level III is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

Prerequisites: German II or Honors German II

0117 GERMAN IV

10 Credits

Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations in the German culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore culture through a variety of topics. The majority of the course will be conducted in German.

Prerequisites: German III or Honors German III

0119 ADVANCED PLACEMENT® GERMAN LANGUAGE AND CULTURE

10 Credits

Description: Students will improve in all skill areas. Emphasis will be placed on using authentic materials to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. This course will be conducted in German, and students are expected to speak German at all times. Completion of this course will prepare students to take the Advanced Placement® German Language and Culture exam.

Prerequisites: German III, Honors German III, or German IV

0120 IB GERMAN B SL

12

North only

10 Credits

Description: A student may take this course as a fifth year language course and/or choose to take the AP exam. The student will improve in all skill areas (reading, writing, speaking, and understanding). Grammar is reviewed as needed to aid in effective communication. Emphasis will be placed on using authentic material such as video, magazines, and newspapers to study current events and culture in order to provide a thorough understanding of the language so that optimum communication can be achieved. Higher-level communication skills will be attained and assessed through a variety of oral and written activities and assignments. The IB curriculum will be emphasized, but students may also sign up to take the Advanced Placement® exam. The necessary AP review materials will be available.

Prerequisites: Honors German III

0162 HONORS LATIN I

North only

10 Credits

Description: Students will experience an introduction to Latin with emphasis on acquiring a vocabulary foundation, strengthening basic grammatical skills, and learning Classical Latin reading skills. Students will begin a literature study focusing on Roman and/or Greek epic poetry in translation. Roman history and culture, as well as Greco-Roman mythology, will provide an understanding of the historical and contemporary influences of the Ancient Roman world.

Prerequisites: None

0163 HONORS LATIN II

North only

10 Credits

Description: Students will learn new grammar concepts to advance comprehension of Latin manuscripts and further their communication skills using Latin. Students will continue their literary studies emphasizing primary historical sources in translation. Roman historical and cultural studies will focus primarily upon the legacy of Julius Caesar and the Roman Republic.

Prerequisites: Honors Latin I

0164 HONORS LATIN III

North only

10 Credits

Description: Students will explore the development of both prose and poetry, emphasizing a survey of Roman authors, including Cicero, Caesar, Vergil, and Catullus, with authentic reading selections chosen for diversity, entertainment and appropriateness. Students will become entrenched historically and culturally in the worlds reflected through these authors. Latin composition provides students the opportunity to practice advanced grammatical structures. The enrichment materials focus on the progression of classical philosophy and the development of Roman influence through the Classical world, past and present.

Prerequisites: Honors Latin II

0172 ADVANCED PLACEMENT® LATIN

North only

10 Credits

Description: Students will explore the development of both prose and poetry, emphasizing a survey of Roman authors, including Cicero, Caesar, Vergil, and Catullus, with authentic reading selections chosen for diversity, entertainment and appropriateness. Students will become entrenched historically and culturally in the worlds reflected through these authors. Latin composition provides students the opportunity to practice advanced grammatical structures. The enrichment materials focus on the progression of classical philosophy and the development of Roman influence through the Classical world, past and present. Completion of this course will prepare all students to take the Advanced Placement® Latin exam.

Prerequisites: Honors Latin III

0161 IB LATIN SL**12****North only****10 Credits**

Description: Through the poetry of Ovid, Horace, Vergil, and Catullus, the scholar will demonstrate excellent knowledge and understanding of the influences and perspectives the modern world has of the ancient world. By intensely studying the grammar of Latin, the scholar will be more adept at analyzing the ancient authors' subtle and overt intentions. Students will study the authors' techniques, styles, and both the literary and non-literary connections to the Roman civilization. Scholars will use the Latin texts, as well as English translations, to support the development of analysis regarding the impact these authors and the Roman world had upon the past and the present cultures. The scholar will enjoy using these timeless pieces of literature as a basis of exploration into our own modern humanity. The Standard Level assessment includes translating unprepared scripts and masterfully analyzing in-depth extracts from within subordinate topics.

Prerequisites: Honors Latin III

0152 SPANISH I**10 Credits**

Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing at an introductory level. Students will learn about and experience cultural practices relating to the Spanish culture. There are five strands or "essential components" present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational.

Prerequisites: None

0147 HONORS SPANISH I**10 Credits**

Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading, and writing. Students will learn about and experience cultural practices relating to the Spanish culture. There are five strands or "essential components" present in every world language classroom: Communication, Culture, Connections, Communities, and Cognition. There are three modes of communication that contribute to a culture of language proficiency: Interpretive, Interpersonal, and Presentational. Honors Level I is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

Prerequisites: None

0153 SPANISH II**10 Credits**

Description: Students will continue learning vocabulary and developing skills to express themselves. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in Spanish.

Prerequisites: Any of the following: Spanish A-B-C sequence, Spanish I, Honors Spanish I, or KMS/NMS full sequence I-A, II-A, and II-B

0154 HONORS SPANISH II**10 Credits**

Description: Students will learn an expanded vocabulary and develop skills at an accelerated pace. Students will explore culture through a variety of topics. Using listening, speaking, reading, and writing skills, students will communicate in the present and past tenses in Spanish. Authentic text will be introduced and students will demonstrate more independence in communication. Honors Level II is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate®.

Prerequisites: Any of the following: Spanish A-B-C sequence, Spanish I, Honors Spanish I, or KMS/NMS full sequence I-A, II-A, and II-B

0155 SPANISH III**10 Credits**

Description: Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the Spanish culture. Students will learn an expanded vocabulary and complex mechanics to develop skills utilizing authentic sources. Students will communicate in the present, past, and future tenses. Students will also explore culture through a variety of topics.

Prerequisites: Any of the following: Spanish II, Honors Spanish II, or KMS/NMS full sequence I-A, II-A, and II-B

0156 HONORS SPANISH III**10 Credits**

Description: Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the Spanish culture. Students will learn an expanded vocabulary and develop skills at an accelerated pace utilizing authentic sources. Students will use complex mechanics of the language and explore culture through a variety of topics. The majority of the course will be conducted in Spanish. Honors Level III is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

Prerequisites: Any of the following: Spanish II, Honors Spanish II, or KMS/NMS full sequence I-A, II-A, and II-B

0157 SPANISH IV

10 Credits

Description: Students will further develop the reading, writing, listening, and speaking skills needed to function in the language and in practical situations in the Spanish culture. Students will communicate with greater spontaneity and in greater detail utilizing authentic sources. Students will also explore culture through a variety of topics. The majority of the course will be conducted in Spanish.

Prerequisites: Spanish III or Honors Spanish III

0158 HONORS SPANISH IV/ SPANISH V

10 Credits

Description: Students will go beyond the functional level practiced in previous courses and will develop more abstract communication skills utilizing authentic sources. Students will communicate with greater spontaneity and in greater detail. Students will also explore culture through a variety of topics. The course will be conducted in Spanish. Honors Level IV is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® courses.

Prerequisites: Spanish III, Honors Spanish III, or Spanish IV

0159 ADVANCED PLACEMENT® SPANISH LANGUAGE AND CULTURE

10 Credits

Description: Students will gain advanced knowledge of the Spanish language through the use of authentic print and audio materials. Listening, reading, writing, and speaking skills are emphasized. Cultural knowledge will be taught throughout the course and grammatical concepts reviewed. The course will be conducted in Spanish, and students are expected to speak Spanish at all times. Completion of this course will prepare students to take the Advanced Placement® Spanish Language and Culture exam.

Prerequisites: Spanish III, Honors Spanish III, Spanish IV, or Honors Spanish IV/Spanish V

0160 IB SPANISH B SL

12

North only

10 Credits

Description: The objective of the course is to advance students' reading comprehension, oral and listening skills, and writing proficiency through the study of literature and current events. Themes such as family, health, urban problems, and civil rights are analyzed from many cultural perspectives. Special attention is devoted to current events and issues concerning the Hispanic world. Students should have strong grammatical skills at the onset because the class emphasizes building vocabulary and increasing fluency. Few new structures are introduced, and brief grammar review is done as necessary. Spanish is used almost exclusively in class. Students are expected to exercise analytical skills, critical thinking, and creativity. Students are encouraged to seek, and are provided, opportunities to participate in Spanish-speaking communities directly and by electronic means. Authentic sources from multiple countries, class standpoints, and genres are incorporated. A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® exam.

Prerequisites: Honors Spanish III

0171 IB SPANISH A2 HL A

12

North only

10 Credits

Description: This course is for the native Spanish speaker. The objective of the course is to advance students' reading comprehension, oral and listening skills, and writing proficiency through the study of literature and current events. Themes such as family, health, urban problems, and civil rights are analyzed in Spanish and from many cultural perspectives. Special attention is devoted to current events and issues concerning the Hispanic world. Students should have strong grammatical skills at the onset because the class emphasizes building vocabulary and increasing fluency. Few new structures are introduced, and brief grammar review is done as necessary. Spanish is used almost exclusively in class. Students are expected to exercise analytical skills, critical thinking, and creativity. An independent study of Hispanic literature is required. Students are encouraged to seek, and are provided, opportunities to participate in Spanish-speaking communities directly and by electronic means. Authentic sources from multiple countries, class standpoints, and genres are incorporated. A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® Spanish Language exam.

Prerequisites: Honors Spanish IV/ Spanish V

Specialized Programs

ACADEMIES IN MILLARD HIGH SCHOOLS

Academies will be offered based on student participation and availability of staff.

	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit		
ACADEMIES IN MILLARD HIGH SCHOOLS									
Business and Entrepreneurship Academy									
0007 A/B	English 11	10	11	E	Application	-	M	This academy is located at Millard South High School.	
AEN01 A/B	College Accounting I	10	11				M		
AEN05	Financial Literacy	5	11	FL			M		
AEN10	Introduction to Business	5	11				M		
AEN20	Introduction to Entrepreneurship	5	11				M		
AEN60	Business Law	5	11				M		
AEN30	Entrepreneurship Feasibility Study	5	12				M		
AEN15	College Accounting II	5	12				M		
AEN45 A/B	Entrepreneurship Work-Based Learning Experience	10	12						Application is open to all Millard students.
0540	AP Macroeconomics	5	12		†		M		
0541	AP Macroeconomics	5	12		†		M		
AEN55	Principles of Management	5	12				M		
AEN65	Principles of Marketing	5	12				M		
Business and Logistics Management Academy									
0007 A/B	English 11	10	11	E	Application	-	M	This academy is located at Millard North High School.	
ATD10	Introduction to Business	5	11				M		
ATD01	Intro. Transportation, Distribution & Logistics	5	11				M		
ATD05	Industrial Safety and Health	5	11				M		
ATD15	Introduction to Distribution	5	11				M		
ATD20	Principles of Marketing	5	11				M		
ATD25	Principles of Management	5	11				M		
ATD30	Mechanical Print Reading	5	12				M		
ATD35	Business Logistics	5	12				M		
ATD40	Purchasing and Material Management	5	12				M		
ATD45	Problem Solving	5	12				M	Application is open to all Millard students.	
ATD50	Production & Operations Management	5	12				M		
ATD55 A/B	Business and Logistics Management Work-Based Learning Experience	10	12						
ATD60	College Composition and Research	5	12	EE	0004 or 0007	-	M		
Education Academy									
0007 A/B	English 11	10	11	E	Application	-	M	This academy is located at Millard North and Millard West High Schools.	
0527	Child Development	5	11	HR					
AED02	Preschool Child Development	5	11				M		
AED35	Professional Speaking	5	11	OC		-	M		
AED10	Introduction to Professional Education	5	11				O		
AED15	Education Seminar I	5	11				M		
0422	World Religions	5	11	HR+	0408 or 0456		O		
0414	US Government and Economics	5	11				M		
0453 A/B	AP Psychology	10	12	HR		-	O		
AED30	Best Practices in Education	5	12						
AED05	College Composition and Research	5	12	EE	0004 or 0007	-	M	Application is open to all Millard students.	
AED40	Education Seminar II	5	12						
AED45	Education Seminar III	5	12						
AED50	Education Practicum	5	12						
AED 55	Introduction to Special Education	5	12				O		

E = Fulfills English Graduation Requirement

EE = English Elective

FL = Fulfills Financial Literacy Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

M = Metropolitan Community College

O = University of Nebraska at Omaha

† = See course description for additional requirements

ACADEMIES IN MILLARD HIGH SCHOOLS

Academies will be offered based on student participation and availability of staff.

Health Sciences Academy				Application					
AHS01 A/B	Human Anatomy and Physiology	10	11	SE		•	M	This academy is located at Keith Lutz Horizon High School.	
AHS05	Medical Terminology I	5	11				M		
AHS10	Medical Terminology II	5	11				M		
AHS15	Health Sciences Orientation Seminar	5	11				M		
AHS20	Introduction to Medical Law and Ethics	5	11				M		
AHS25	Nutrition in the Life Cycle	5	11				M		
AHS30	Disease Processes	5	11	SE		•	M		
0453 A/B	AP Psychology	10	12	HR		•	M		
AHS35 A/B	Long Term Care/Certified Nursing Assistant	10	12				M		
AHS65 A/B	Emergency Medical Responder (EMR)	10	12				M		
AHS50 A/B	Health Sciences Work-Based Learning Experience	10	12				M	Application is open to all Millard students.	
AHS60	Fundamentals of Pharmacology	5	12				M		
V0035	College Writing	5	12	EE	0004 or 0007				
STEM Academy				Application					
AST01	Engineering Design and Systems Thinking	5	11						This academy is located at Millard West High School.
AST02	Information Technology I	5	11	T			M		
AST03	Engineering Problem Solving	5	11						
AST04	Information Technology II	5	11				M		
0720	Drawing	5	11	F			M		
0383 A/B	AP Physics 1: Algebra-Based	10	11	P	0327, 0231, 0233†, MA10	•	O		Application is open to all Millard students.
YBC03	Human Relations	5	11				M		
AST05	3D Design	5	12				M		
AST06 A/B	STEM Capstone	10	12						
MA56 A/B	AP Statistics	10	12	Ma	0231, MA30 or MA32†	•	M		
AST08	Public Speaking	5	12	OC			M		
AST09 A/B	STEM Work-Based Learning Experience	10	12						

EE = English Elective

F = Fulfills Fine and Performing Arts Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

Ma = Fulfills Mathematics Graduation Requirement

P = Fulfills the Physics Graduation Requirement

SE = Science Elective

T = Fulfills Technology Education Graduation Requirement

† = See course description for additional requirements

M = Metropolitan Community College

O = University of Nebraska at Omaha



ENTREPRENEURSHIP

Students will explore how to own their own business and be their own boss. They will learn how to be a profitable, innovative risk taker through classes such as College Accounting, Business Law, Principles of Marketing, and AP Macroeconomics. Students will complete an internship with successful businesses and build a professional network.

Business and Entrepreneurship Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
College Accounting I		College Accounting II	Entrepreneurship Feasibility Study
Introduction to Business	Financial Literacy	Principles of Marketing	Business Law
Introduction to Entrepreneurship	Principles of Management	Advanced Placement® Microeconomics	Advanced Placement® Macroeconomics
English 11		Entrepreneurship Work-Based Learning Experience	

AEN01 COLLEGE ACCOUNTING I

11

10 Credits

Description: Students will study fundamental principles of accounting, including the basic accounting cycle, linkage between the journal entry and ledger account, adjusting process, internal control, merchandising, inventories, and financial reporting. Real-world illustrations are incorporated reflecting current relevant business practices.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ACCT 1100 and 1110 (9 credits) from Metropolitan Community College. Completion of ACCT 1100, 1110 and 1120 at Metropolitan Community College will transfer to University of Nebraska at Omaha as ACCT 2010 and 2020 (6 credits).

AEN15 COLLEGE ACCOUNTING II

12

5 credits

Description: This course expands a student’s ability to analyze and interpret financial data. Students will broaden their understanding of assets, liabilities, and stockholders’ equity accounts. Accounting II is strongly recommended for students planning college study in business fields.

Prerequisites: College Accounting I

Dual Enrollment Credit: This course is offered for dual enrollment credit for ACCT 1120 (4 credits) from Metropolitan Community College. Completion of ACCT 1100, 1110 and 1120 at Metropolitan Community College will transfer to University of Nebraska at Omaha as ACCT 2010 and 2020 (6 credits).

0540 ADVANCED PLACEMENT® MACROECONOMICS

12

5 Credits

Description: Students will study a variety of economic theories and analyze their practical application in the real world with a focus on the decision-making of individuals, businesses, and the government. Students will evaluate the economy as a whole, including economic measures, economic growth, fiscal policy, monetary policy, and international economics. Extensive mathematics skills are not required; however, the ability to analyze graphs and charts is essential. Completion of this course will prepare students to take the Advanced Placement® Macroeconomics exam.

Prerequisites: Statement from College Board - “Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.”

Dual Enrollment Credit: This course is offered for dual enrollment credit for ECON 1000 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ECON 2220 (3 credits).

- 0541 ADVANCED PLACEMENT® MICROECONOMICS** 12 5 Credits
Description: Students will study a variety of economic theories and analyze their practical application in the real world with a focus on supply and demand for products, labor markets, and the role of competition in a free market system. Extensive mathematics skills are not required; however, the ability to analyze graphs and charts is essential. Completion of this course will prepare students to take the Advanced Placement® Microeconomics exam.
Prerequisites: Statement from College Board - “Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.”
Dual Enrollment Credit: This course is offered for dual enrollment credit for ECON 1100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ECON 2200 (3 credits).
- 0007 ENGLISH 11** 11 10 Credits
American Literature and Composition
Description: Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors’ views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.
Prerequisites: English 10 or English 10 Literacy Enrichment
Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2450 (9 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 1010 (6 credits).
- AEN30 ENTREPRENEURSHIP FEASIBILITY STUDY** 12 5 Credits
Description: Students will assess the current economic, social and political climate for the small business. Students will explain how demographic, technological, and social changes create business opportunities. Students will assess business ideals based on the student’s strengths and skills, personal, professional, and financial goals. Students will test and analyze their concept through basic market research.
Prerequisites: Introduction to Entrepreneurship
Dual Enrollment Credit: This course is offered for dual enrollment credit for ENTR 2040 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).
- AEN45 ENTREPRENEURSHIP WORK-BASED LEARNING EXPERIENCE** 12 10 Credits
Description: The student participates in a workplace readiness seminar first semester and will apply entrepreneurship principles in a business setting through a Work-Based Learning Experience second semester.
Prerequisites: Completion of Year I Entrepreneurship Academy courses
- AEN10 INTRODUCTION TO BUSINESS** 11 5 Credits
Description: This course is for students who are interested in learning the fundamentals of business and entrepreneurship. Students will learn the basics of many of the core areas that are critical in the business world. The course will cover key areas including economics, entrepreneurship, marketing, ethics, and finance through a variety of learning experiences such as a stock market simulation, lectures, quizzes, and writing a business plan.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1000 (3 credits) from Metropolitan Community College.
- AEN20 INTRODUCTION TO ENTREPRENEURSHIP** 11 5 Credits
Description: The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for ENTR 1050 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as an elective (3 credits).

AEN05 FINANCIAL LITERACY**11**

5 Credits

Description: This course will provide an understanding and practical application of the theories and concepts of how to analyze and direct one's financial affairs and those of his/her family. This course fulfills the Millard Public Schools Financial Literacy Graduation Requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for FINA 1100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as FNBK 2280 (3 credits).

AEN55 PRINCIPLES OF MANAGEMENT**12**

5 Credits

Description: This is an introduction to the theory and practice of organizational management. Various management theories are discussed. Special attention is devoted to planning, decision making, organizing, leading, and controlling the organization.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for MGMT 2100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MGMT 3490 (3 credits).

AEN60 BUSINESS LAW**12**

5 Credits

Description: Students learn ordinary legal aspects of business transactions involving such topics as legal rights and duties, law of contracts, employment law, basic business organizations, and law of property. Students gain a general understanding of and develop basic legal logic in business situations through the use of legal principles, cases, and information useful in determining the need for professional counsel.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as LAWS 2000 (3 credits).

AEN65 PRINCIPLES OF MARKETING**12**

5 Credits

Description: This course features a survey of the distributive fields, their functions, and interrelationships. The course covers the concept and strategies of the marketing mix; the application of marketing concepts in both consumer and business to business environments; and controversial marketing topics, including ethical challenges of advertising.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for MRKT 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as an elective (3 credits).



MILLARD CAREER ACADEMIES

BUSINESS & LOGISTICS MANAGEMENT

Students explore how products and people move across the globe, while learning broadly about business, marketing, and management. Logistics is one of the fastest growing industries in the world and critical to everyday living. Along with an OSHA card and a Logistics Career Certificate from Metropolitan Community College, students are able to widen their real world experience through an internship their senior year as a gateway into this high-wage, high-demand industry.

Business and Logistics Management Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
Introduction to Transportation, Distribution, & Logistics	Principles of Management	Production & Operations Management	Business Logistics
Industrial Safety & Health	Introduction to Distribution	Mechanical Print Reading	Problem Solving
Introduction to Business	Principles of Marketing	College Composition and Research	Purchasing and Materials Management
English 11		Business & Logistics Management Work-Based Learning Experience	

Academies will be offered based on student participation and availability of staff.

0007 ENGLISH 11 - American Literature and Composition

11

10 Credits

Description: Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors' views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 10 or English 10 Literacy Enrichment

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2450 (9 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 1010 (6 credits).

ATD60 COLLEGE COMPOSITION AND RESEARCH

12

5 Credits

Description: This course is designed to further develop the skills of English 11 by teaching students how to synthesize and organize primary and secondary sources for the purpose of composing a formal research paper on an educational topic using the Modern Language Association format.

Prerequisites: Honors English 10 or English 11

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1160 (3 credits).

- ATD10 INTRODUCTION TO BUSINESS** 12 5 Credits
Description: A survey of the structure and functions of the American business system is provided, together with an overview of business organization, finance, managerial control, production/distribution, personnel, the interdependence of business and government, and consumer business relations.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1000 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MGMT 1500 (3 credits).
- ATD01 INTRODUCTION TO TRANSPORTATION, DISTRIBUTION, AND LOGISTICS** 11 5 Credits
Description: This course is an introduction to the transportation, distribution, and logistics career field. Students will study planning, management and movement of people, materials and products by road, air, rail, and water.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 1100 (4.5 credits) from Metropolitan Community College.
- ATD05 INDUSTRIAL SAFETY AND HEALTH** 11 5 Credits
Description: This course covers the basics of industrial safety and health. Topics include lock out/tag out, confined space entry, blood-borne pathogens, hot work, ladder safety, and fall protection. Additional safe work practices and procedures are covered. Students who successfully complete this course are eligible to receive the OSHA 30 hour general industry course completion card.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 1000 (4.5 credits) from Metropolitan Community College.
- ATD15 INTRODUCTION TO DISTRIBUTION** 11 5 Credits
Description: Students interested in learning about the importance of distribution in manufacturing need a good overview of distributors and distributorships. Students will examine the role of distributors in bringing goods to market, adding value through distributor services, and tracking products from procurement through final sale and installation. Basic accounting principles and contract law necessary for distribution will also be introduced.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 1500 (4.5 credits) from Metropolitan Community College.
- ATD20 PRINCIPLES OF MARKETING** 11 5 Credits
Description: This course features a survey of the distributive fields, their functions and interrelationships. The course covers pricing policies, promotional activities, marketing in special fields and market analysis.
Prerequisites: Introduction to Business
Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MKT 3310 (3 credits).
- ATD25 PRINCIPLES OF MANAGEMENT** 11 5 Credits
Description: This is an introduction to the theory and practice of organizational management. Various management theories are discussed. Special attention is devoted to planning, decision making, organizing, leading, and controlling the organization.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for MGMT 2100 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MGMT 3490 (3 credits).
- ATD30 MECHANICAL PRINT READING** 12 5 Credits
Description: This course is directed toward the development of skills required for visualizing and interpreting industrial prints and freehand technical sketching. Topics include print identification, drafting and print reading procedures, machining specifications, geometric dimensioning and tolerancing, elements of welding symbols, symbols used in fluid power diagrams and applied mathematics.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit ELME 1050 (4 credits) from Metropolitan Community College.

ATD35 BUSINESS LOGISTICS**12****5 Credits**

Description: Business Logistics is the study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include management of materials and physical distribution; transportation choices, regulation and rates; traffic management; product storage, warehousing, handling and packaging; inventory management; acquisition and production scheduling; order entry and processing; logistics systems design and operation; and international logistics.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2400 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as SCMT 2000 (3 credits).

ATD40 PURCHASING AND MATERIALS MANAGEMENT**12****5 Credits**

Description: This course acquaints the student with the theory and applications of purchasing and materials management concepts. The course content includes purchasing organization and administration, quality management, supplier relations, negotiations, legal considerations, logistics, international and governmental procurement, and strategic incentives.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2410 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as BSAD elective (3 credits).

ATD45 PROBLEM SOLVING**12****5 Credits**

Description: This course provides the student with the background knowledge needed to install and support the growing radio frequency identification (RFID) market. Students learn to plan, install, maintain, update, and optimize RFID systems through critical thinking and problem solving with hands-on experience using RFID technology.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 2050 (4.5 credits) from Metropolitan Community College.

ATD50 PRODUCTION AND OPERATIONS MANAGEMENT**12****5 Credits**

Description: Students will study the fundamentals of production and operations management used in service and manufacturing organizations. The student is introduced to the application of effective production and operations management techniques; the measurement of productivity and customer service; the planning and management of materials, manpower, and capacity; and the concepts of quality and project management.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for MGMT 2420 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as BSAD elective (3 credits).

ATD55 BUSINESS AND LOGISTICS MANAGEMENT WORK-BASED LEARNING EXPERIENCE 12 10 Credits

Description: The Work-Based Learning Experience provides the student with the opportunity to apply his/her knowledge, learn new techniques and get on-the-job training at an approved work site. Students will work 10-12 hours per week.

Prerequisites: Year 1 - Business and Logistics Courses



MILLARD CAREER ACADEMIES EDUCATION

Students will explore careers in the education field through courses such as Child Development, Introduction to Special Education, and Education Seminars. They will create and deliver lessons to students in an educational setting. During this program students also complete the entrance requirements for the University of Nebraska at Omaha College of Education.

Education Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
English 11		Advanced Placement® Psychology	
Introduction to Professional Education	Professional Speaking	College Composition and Research	Introduction to Special Education
Child Development	World Religions (West) or US Government (North)	Education Seminar II	Education Seminar III
Preschool Child Development	Education Seminar I	Best Practices in Education	Education Practicum

Academies will be offered based on student participation and availability of staff.

0453 ADVANCED PLACEMENT® PSYCHOLOGY

12

10 Credits

Description: Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. Students will evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principles, and phenomena associated with the major subfields of psychology. This course fulfills the Human Resources Graduation Requirement. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for PSYCH 1010 from University of Nebraska at Omaha (3 credits).

AED30 BEST PRACTICES IN EDUCATION

12

5 Credits

Description: In this course, students will review the most recent research on best practices in education focusing on planning, instruction, assessment and classroom environment. Students will learn the components of an effective lesson and create and teach their own lesson using these components.

Prerequisites: None

0527 CHILD DEVELOPMENT

11

5 Credits

Description: Students will explore the physical, social, emotional, and intellectual factors that relate to the developing child from prenatal to age 5. This course will develop personal skills while also preparing students for child-related career fields by interacting with children, learning from guest speakers, and participating in problem-based scenarios. Students considering participating in the Education Academy sequence will take this course in 11th or 12th grade. This course fulfills the Human Resources Graduation Requirement.

Prerequisites: None

Dual Enrollment Credit: This course may be offered for dual enrollment depending on instructor availability.

- AED02 PRESCHOOL CHILD DEVELOPMENT** 11 5 Credits
Description: This course will provide an orientation to a preschool experience in early childhood education. Students will focus on typical and atypical development of the child ages three to five years in the domains of physical growth and motor skills, cognition and language, and social/emotional development. This course will include field experiences within the early childhood education setting.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for ECED 1120 (4.5 credits) from Metropolitan Community College.
- AED50 EDUCATION PRACTICUM** 12 5 Credits
Description: Students will participate in a field experience. Students will create and deliver lessons to students in an educational setting. Students will be under the supervision of both a Millard West faculty member and the classroom teacher at the practicum location.
Prerequisites: Education Seminar II
- AED15 EDUCATION SEMINAR I** 11 5 Credits
Description: Students will study and discuss issues that impact education today. Students will also observe and reflect on teaching practices of professionals in the field. They will use the information they gain to begin writing their own educational philosophy and belief statements.
Prerequisites: Introduction to Education
- AED40 EDUCATION SEMINAR II** 12 5 Credits
Description: Students will further study and discuss issues that impact education today. Students will strengthen their own philosophy and belief statements about education. Students will observe and reflect on teaching practices in a variety of educational settings.
Prerequisites: Best Practices in Education
- AED45 EDUCATION SEMINAR III** 12 5 Credits
Description: Students will prepare to apply for admissions to a teacher's college. Part of this preparation will include creating a portfolio of their major learnings in the Education Academy. This portfolio will include their finalized teaching philosophy and belief statements. Students will also prepare for a practicum experience in a selected area of focus.
Prerequisites: Education Seminar II
- 0007 ENGLISH 11** 11 10 Credits
American Literature and Composition
Description: Through this course, students will explore how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary literature. By analyzing the authors' views and social context, students will delve into deeper understanding of language, literature, and the writing and research process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual and digital texts. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.
Prerequisites: English 10 or English 10 Literacy Enrichment
Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 and ENGL 2450 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 and ENGL 2450 (6 credits).
- AED10 INTRODUCTION TO PROFESSIONAL EDUCATION** 11 5 Credits
Description: The course will provide an introduction to the education profession through career exploration and initial exposure to the dynamics of K-12 classroom teaching. The course will provide an overview of ethics, professionalism, pre-service preparation, societal influences, classroom practices, and the governance structures which impact teachers and schools. The course has a required field experience.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for TED 1010 from University of Nebraska at Omaha (3 credits).

AED55 INTRODUCTION TO SPECIAL EDUCATION**12**

5 Credits

Description: This course is designed to help students explore issues and perspectives related to children, adolescents, and young adults with a variety of ability and disability experiences. It provides an introduction to the historical factors, legislation, terminology, etiology, characteristics that are commonly encountered when addressing the needs of diverse students with disabilities ranging from mild, moderate to severe.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrolled credit for SPED 1500 from University of Nebraska at Omaha (3 credits).

AED35 PROFESSIONAL SPEAKING**11**

5 Credits

Description: This course is designed to instruct students how to speak effectively in public. The students will compare and contrast the characteristics of informative, persuasive and entertainment speeches, and support these speeches with credible research and creative language. Students will practice speaking in front of educational audiences such as parents, students, and colleagues. This course also satisfies the Oral Communications Graduation Requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for COMS 1110 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as CMST 1110 (3 credits).

AED05 COLLEGE COMPOSITION AND RESEARCH**12**

5 Credits

Description: This is a course designed to prepare students for independent research and writing at the collegiate level. Students will learn the proper method for organizing, researching, and writing a formal research paper. This class is suited for independent workers and motivated students. Organization skills and time management are important when working to meet deadlines for this course.

Prerequisites: Honors English 10 or English 11

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1160 (3 credits).

0422 WORLD RELIGIONS**11**

5 Credits

Description: This course is an introduction to the religions of the world. This course will examine and compare beliefs, philosophies of man, and thoughts about certain religions. This course will develop an appreciation of the complex history of these religions and man's place in the universe. This course fulfills the Human Resources Graduation requirement when completed during 2022-2023 or after.

Prerequisites: World Geography or AP Human Geography

Dual Enrollment Credit: This course is offered for dual enrollment credit for RELI 1010 (3 credits) from the University of Nebraska at Omaha.

0414 UNITED STATES GOVERNMENT AND ECONOMICS**11-12**

5 Credits

Description: Students will acquire knowledge and skills necessary to function as educated, concerned, and active citizens in our political and economic systems. Classroom learning is strengthened by participation and analysis of prior service learning through a culminating project.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for POLS 2050 (4.5 credits) from the Metropolitan Community College



MILLARD CAREER ACADEMIES
HEALTH SCIENCES

Students will explore the field of health care and diverse opportunities for employment through classes such as Nutrition, Medical Terminology, Pharmacology, and Anatomy. They will earn Certified Nursing Assistant and Emergency Medical Responder credentials. Students will also complete a clinical internship and build a professional network.

Health Sciences Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
Human Anatomy & Physiology or Health Sciences		Emergency Medical Responder (EMR)	Long Term Care/Certified Nursing Assistant
Medical Terminology I	Medical Terminology II	AP Psychology	
Health Sciences Orientation Seminar: <ul style="list-style-type: none"> • Cardiopulmonary Resuscitation • Foundations of Health Careers 	Introduction to Medical Law & Ethics	Health Sciences Internship	Health Sciences Work-Based Learning Experience
Disease Processes	Nutrition in the Life Cycle	Fundamentals of Pharmacology	College Writing

Academies will be offered based on student participation and availability of staff.

0453 ADVANCED PLACEMENT® PSYCHOLOGY 12 10 Credits

Description: Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. Students will evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principles, and phenomena associated with the major subfields of psychology. This course fulfills the Human Resources Graduation Requirement. Completion of this course will prepare students to take the Advanced Placement® Psychology exam.

Prerequisites: None

AHS01 HUMAN ANATOMY AND PHYSIOLOGY FOR HEALTH SCIENCES 11 10 Credits

Description: This survey course includes all systems of the human body emphasizing the relationship between structure and function. It is intended for certificate-seeking students in MCC programs; transfer elsewhere as anatomy/physiology credit is not assured. This course includes both lecture and lab components. This course fulfills science elective credit.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BIOS 1310 (5 credits) Survey of Human Anatomy and Physiology from Metropolitan Community College and will transfer to University of Nebraska at Omaha as BIOL 1730 (3 credits).

AHS05 MEDICAL TERMINOLOGY I**11**

5 Credits

Description: This course assists the student in establishing a solid foundation of medical terminology and abbreviations. Prefixes, suffixes, and word roots used in the language of medicine are introduced. Emphasis is placed on understanding the medical vocabulary as it applies to the anatomy, physiology, and pathology of the human body. The functioning of the body systems, clinical/surgical procedures, and therapies are studied. Normal, pathological, clinical, and laboratory considerations are examined in order to best prepare the student for entrance into the health care professions. Emphasis is also placed on correct spelling and pronunciation.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1120 (4.5 credits) Medical Terminology I from Metropolitan Community College.

AHS10 MEDICAL TERMINOLOGY II**11**

5 Credits

Description: This course is a continuation of Medical Terminology I. Additional body systems, specialty medical areas, clinical procedures, laboratory tests, medical terms, and abbreviations are presented. Practical applications with case reports, operative and diagnostic tests, and laboratory and x-ray reports are studied. Upon completion, students should be able to pronounce, spell, and define a wide array of medical terms related to the human body.

Prerequisites: Medical Terminology I

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1130 (4.5 credits) Medical Terminology II from Metropolitan Community College.

AHS15 HEALTH SCIENCES ORIENTATION SEMINAR**11**

5 Credits

Description: This is a block course to provide the foundation skills for the health science sequence. Students will complete the following short courses to fulfill Metropolitan Community College requirements.

Prerequisites: None

- **CARDIOPULMONARY RESUSCITATION FOR HEALTHCARE PROVIDERS**

Description: The participant will learn how to recognize and respond to life-threatening emergencies such as cardiac arrest, respiratory arrest, and foreign-body airway obstruction (choking). The student will learn to recognize heart attack and stroke symptoms in adults and breathing difficulty in children. This course teaches the skills needed to respond to the emergencies identified. The participant will learn the skills of CPR for victims of all ages (including ventilation with barrier devices and bag-mask devices), use of an automated external defibrillator (AED), and relief of foreign-body airway obstruction.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for EMSP 1000 (1 credit) Cardiopulmonary Resuscitation from Metropolitan Community College.

- **FOUNDATIONS OF HEALTH CAREERS**

Description: This course is an overview of the fields of healthcare systems, career pathways, emergency management, basic concepts of biology, and related fields. Topics addressed will include implications of science and technology in society, appropriate communication styles/behaviors, employability skills, medical law and ethics, OSHA standards, fundamentals of wellness and disease prevention, first aid, and understanding the role of self/others and relations within a healthcare team in a diverse society.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1015 (4.5 credits) Foundations of Health Careers from Metropolitan Community College.

AHS20 INTRODUCTION TO MEDICAL LAW AND ETHICS**11**

5 Credits

Description: This course gives students a foundation into the federal and state laws of the medical profession and ethical issues associated with working in a healthcare setting. HIPAA (Health Insurance Portability and Accountability Act) regulations are explored in detail. Topics include professional, social, and interpersonal health care issues. Coverage also includes identification of measures to promote confidentiality as major changes occur in electronic health care record technology. Investigation of techniques to maintain office safety as well as the safety and confidentiality of patients and medical records is also included.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1150 (4.5 credits) Introduction to Medical Law and Ethics from Metropolitan Community College.

- AHS25 NUTRITION IN THE LIFE CYCLE** 11 5 Credits
Description: Nutrition represents an important health concern throughout the life cycle. This course includes human nutrition, introduction to therapeutic and modified diets, nutrition in healthcare through the life cycle and drug-nutrient interactions, nutritional assessment and analysis. This course also covers gastrointestinal, cardiovascular, respiratory and endocrine systems as related to medical nutrition therapy.
Prerequisites: Biology, Human Anatomy and Physiology
Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1050 (4.5 credits) Nutrition in the Life Cycle from Metropolitan Community College.
- AHS50 HEALTH SCIENCES WORK-BASED LEARNING EXPERIENCE** 12 10 Credits
Description: This Work-Based Learning Experience provides the student the opportunity to apply his/her knowledge in a clinical setting. Students will work 10-12 hours per week.
Prerequisites: Concurrently enrolled in AHS35 Long-Term Care/Certified Nursing Assistant (CNA) or AHS65 Emergency Medical Responder (EMR)
- AHS30 DISEASE PROCESSES** 11 5 Credits
Description: This course is an introduction to the fundamentals of human disease processes. The student gains knowledge in the study of the nature and description of disease, of etiology, signs and symptoms, diagnostic evaluation procedures, complications, treatment, management, prognosis, and prevention of disease. The coverage of diseases is organized by major body systems. Bacteriology as related to health, immunology, and infectious diseases is also explored. The student applies the knowledge learned and utilizes critical-thinking and problem-solving skills through the utilization of case studies and team activities. This course fulfills Science elective credit.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1180 (4.5 credits) Disease Processes from Metropolitan Community College.
- AHS35 LONG-TERM CARE/CERTIFIED NURSING ASSISTANT (CNA)** 12 10 Credits
Description: The course is designed to meet the Nebraska Health and Human Services System training requirements for nursing assistant certification and employment in long term care facilities. The course combines classroom lecture, laboratory application, and clinical experience for development of basic skills needed to care for the elderly. Course content will focus on teaching the nursing assistant to provide safe, effective, and caring services to the elderly or chronically ill patient of any age in a long-term care facility.
Prerequisites: Mantoux PPD Skin Test (Tuberculosis Test) within 12 months
Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1200 (6.5 credits) Long Term Care/Certified Nursing Assistant from Metropolitan Community College.
- AHS65 EMERGENCY MEDICAL RESPONDER (EMR)** 12 10 Credits
Description: The Emergency Medical Responder course provides an introduction to emergency medical care. Modules of training include medical-legal, roles and responsibilities of the EMT, documentation and communication, human body, medical terminology, lifting and moving, airway management basic and advanced, patient assessment, medical and trauma, medical emergencies, treatment and use of assisted medications and IV maintenance, bleeding control and shock, trauma emergencies, use of immobilization devices, obstetrical emergencies, childbirth, pediatrics and children's emergencies, ambulance operations, hazardous materials, mass casualty, and triage.
Prerequisites: CPR Certification
Dual Enrollment Credit: This course is offered for dual enrollment credit for EMSP 1020 (5.5 credits) from Metropolitan Community College.
- AHS60 FUNDAMENTALS OF PHARMACOLOGY** 12 5 Credits
Description: This course provides a basic understanding of pharmacological concepts, emphasizing routes of administration, basic pharmacokinetics, and the specific pharmacology of drugs commonly used in the healthcare field. Students become familiar with drug names, drug classifications, and drug schedules and categories. Other topics include drug actions and the rationale for treatment, side effects, and contraindications. Students review current healthcare topics relating to pharmacology and ethical issues.
Prerequisites: None
Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 2155 (4.5 credits) from Metropolitan Community College.

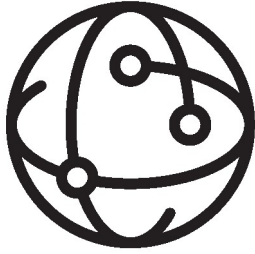
V0035 COLLEGE WRITING**11-12**

5 Credits

Description: This course will be offered in a blended learning instructional format. Blended learning courses use a combination of best practices, including online learning and face-to-face instruction. Teachers will communicate a schedule of face-to-face learning time for their course. When students are not meeting with a teacher, they will engage in “independent learning” in designated areas or may leave campus if they have open campus privileges. Students will be offered opportunities for collaboration or for quiet study in the library on days when they are not meeting in their classroom. This course follows the same curriculum guide and uses the same instructional materials as the traditional face-to-face course. The class is taught by Millard teachers and will begin and end on the same dates as the face-to-face course. Grades and credits are calculated the same in blended as traditional learning courses. Final exams will be administered during the regular final exam schedule. There are a limited number of sections that will be offered as the blended learning format. To participate in a blended learning course, submit your request at the time of course registration. If you are in the Early College High School program, check with your counselor or academic advisor on the eligibility of the course to meet Early College criteria.

College Writing is a course designed to prepare students for writing and independent research at the collegiate level. Practice in academic inquiry and the proper method for organizing, researching, and writing a formal research paper are emphasized in this course. Because organizational skills and time management are important when working to meet deadlines for this course, this class is best suited for independent workers and motivated students.

Prerequisites: Honors English 10 or English 11



MILLARD CAREER ACADEMIES S.T.E.M.

Students will engage in a broad foundation of Design, Math, Engineering, Science, and Information Technology courses to prepare for a variety of career and postsecondary opportunities. The courses for the STEM Academy are focused around engaging students as creative and critical thinkers. Students will also complete a STEM Capstone course and an internship to gain workplace experience and create a professional network.

STEM Academy Course Sequence Sample			
Year One		Year Two	
Semester One	Semester Two	Semester One	Semester Two
AP Physics 1: Algebra-Based		AP Statistics	
Engineering Design and Systems Thinking	Engineering Problem Solving	STEM Capstone	
Drawing	Human Relations Skills	3D Design	Public Speaking
Information Technology I	Information Technology II	STEM Work-Based Learning Experience	

It is recommended that students interested in the STEM Academy complete at least one of the following courses from the Millard Art Curriculum before the end of their Sophomore year. Intro to 2D and/or Intro to 3D. Both of these courses help to teach the foundations of skills that continue to be developed in Drawing and 3D Design.

Academies will be offered based on student participation and availability of staff.

AST01 ENGINEERING DESIGN AND SYSTEMS THINKING 11 5 Credits

Description: This course gives students the opportunity to develop skills and understanding of engineering concepts. The class integrates ideas and learnings from other STEM Academy courses to be used in the context of this class.

Prerequisites: None

AST02 INFORMATION TECHNOLOGY I 11 5 Credits

Description: This introductory course provides students with an opportunity to explore common disciplines in the field of information technology (IT). Students explore project management, web development, networking, data centers, security, databases, desktop support, graphic design, and programming concepts. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INFO 1002 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as elective credit.

AST03 ENGINEERING PROBLEM SOLVING 11 5 Credits

Description: This course gives students the opportunity to develop skills and understanding of engineering concepts. The class integrates ideas and learnings from other STEM Academy courses to be used in the context of this class.

Prerequisites: None

AST04 INFORMATION TECHNOLOGY II**11**

5 Credits

Description: Students learn techniques that will help build a firm foundation in problem solving and programming concepts. These techniques present the concepts of problem solving, and introduction to how problems are solved on computers, mathematical concepts required for problem solving using a computer, and logic needed to understand a problem. Students use flowcharts, pseudocode, and algorithms to document and demonstrate logic as a solution to a problem.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INFO 1003 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as elective credit.

0383 ADVANCED PLACEMENT® PHYSICS 1: ALGEBRA-BASED**11**

10 Credits

Description: Students will engage in hands-on exploration while developing an understanding of Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; mechanical waves and sound; and electric circuits and relevant, heat, nuclear, and earth science topics. This course is the equivalent to a first-semester college course in algebra-based physics.

Prerequisites: Biology, Algebra II (or Honors Algebra II or Algebra II: Foundations 4) or Algebra 1 and completion or concurrent enrollment in Algebra 2 (or Honors Algebra 2) or Algebra 3 (or Honors Algebra 3)

Dual Enrollment Credit: This course is offered for dual enrollment credit for PHYS 1100 and PHYS 1154 (5 credits) from University of Nebraska at Omaha.

0720 DRAWING**11**

5 Credits

Description: Drawing is a course designed to give students an in-depth experience in drawing techniques and to improve their drawing skills. Students will develop techniques in portraiture, landscape, still life, and perspective drawing. This course will use a variety of media such as graphite, colored pencils, chalk, charcoal, digital drawing, and ink. Students may research artists, develop ideas, and reflect on the creative process. This course fulfills the Fine and Performing Arts Graduation Requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ARTS 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ART 1100 (3 credits).

YBC03 HUMAN RELATIONS**12**

5 Credits

Description: This is an introductory course in interpersonal skills, stressing the importance of utilizing those skills in the workplace. Students are presented with opportunities to become more effective, discerning, ethical, flexible, perceptive, and understanding in both professional and personal endeavors. Special attention is given to appropriate communication skills, multinational and diversity awareness, teamwork, and job-seeking skills as applied to an increasingly customer-oriented workplace.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HMRL 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as CMST 2010 (3 credits).

AST05 3D DESIGN**12**

5 Credits

Description: This course is an introduction to 3-D design, concentrating on the principles and elements of 3-D form and space. Traditional processes include construction, carving, assembling, and modeling. Computer 3-D modeling programs may be used.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ARTS 1030 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ART 1110 (3 credits).

AST06 STEM CAPSTONE**12**

10 Credits

Description: Students will develop a research proposal, completed project, and presentation as a capstone to the STEM Academy program. Students will choose a project integrating the skills and knowledge gained from the other courses in the Academy.

Prerequisites: None

MA56 ADVANCED PLACEMENT® STATISTICS

10 Credits

Description: Students will learn a variety of statistical concepts including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Completion of this course will prepare students to take the Advanced Placement® Statistics exam.

Prerequisites: Algebra II or Honors Algebra II, Foundations Algebra 3, Algebra 3 or Honors Algebra 3 AND Foundations Algebra 4: Probability & Statistics or Algebra 4: Probability & Statistics

Dual Enrollment Credit: This course is offered for dual enrollment credit for MATH 1410 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as MATH 1530, BSAD 2130 or CIST 2500 (3 credits).

AST08 PUBLIC SPEAKING

12

5 Credits

Description: Students learn both theoretical and practical instruction for speaking effectively in public. Topics include topic selection, audience analysis, speech preparation and organization, support of speeches with credible research, strategic and creative language use, effective listening and delivery skills, and common types of public speeches.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for COMS 1110 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as CMST 1110 (3 credits).

AST09 STEM WORK-BASED LEARNING EXPERIENCE

12

10 Credits

Description: The Work-Based Learning Experience provides the student with the opportunity to apply the knowledge and skills gained through the STEM Academy at an approved work site. The student will not only gain valuable work experience but also engage in networking and develop industry contacts.

Prerequisites: None

ADVANCED PLACEMENT® COURSES

The Advanced Placement® program is an endeavor among secondary schools, colleges, and universities. AP courses provide students with the opportunity to take college-level courses in a high school setting. Based on performance on AP examinations, students may earn college credit, advanced placement at college or university, or both. This provides students the opportunity to reduce college tuition and graduate from college earlier. Research indicates that students who take an AP course and exam perform better in college than students who have not, even if only a 1 or 2 is earned (5 being the highest score).

Individual course descriptions are included within each department, not all courses are available at all schools.

Advanced Placement Courses

AP Capstone	Math and Computer Science
AP01 A/B AP Seminar	MA56 A/B AP Statistics
AP02 A/B AP Research	MA58 A/B AP Calculus AB
Arts	MA60 A/B AP Calculus BC
0724 A/B AP Drawing	MA54 A/B AP Precalculus
0799 AP Music Theory	0257 A/B AP Computer Science A
	0565 A/B AP Computer Science Principles
English	Sciences
0047 A/B AP English Language & Composition	0347 A/B AP Environmental Science
0048 A/B AP Literature and Composition	0370 A/B AP Chemistry
History and Social Sciences	0377 A/B AP Biology
0415 AP US Government and Politics	0383 A/B AP Physics 1: Algebra-Based
0424 A/B AP World History	0384 A/B AP Physics 2: Algebra-Based
0450 A/B US History	World Languages and Cultures
0451 A/B AP European History	0119 A/B AP German Language & Culture
0453 A/B AP Psychology	0139 A/B AP French Language & Culture
0456 A/B AP Human Geography	0159 A/B AP Spanish Language & Culture
0540 AP Macroeconomics	0172 A/B AP Latin
0541 AP Microeconomics	

Students are responsible for paying the cost of the exam. The cost is updated annually by the College Board. In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to support the AP culture by contributing to AP exam fees for students qualifying for the Free and Reduced Price Meals Program.



AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)

Students interested must attend or transfer to Millard South High School.



Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	
AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)							
	Cadet Year 1						
AS100	Milestones in Aviation History	5				The AFJROTC is located at Millard South High School. Within District transfer is required to participate.	
LE100	Traditions, Wellness, and Foundations of Citizenship	5		PE			
AS220	Cultural Studies: An Intro to Global Awareness	5		WG			
	Cadet Year 2						
AS200	The Science of Flight: A Gateway to New Horizons	5		SE			
LE200	Communication, Awareness, and Leadership	5					
	Cadet Year 3						
AS300	Exploring Space: The High Frontier	5					
LE300	Life Skills and Career Opportunities	5		FL			
	Cadet Year 4						
AS400	Management of the Cadet Corps	5	11-12				
LE400	Fundamentals of Management	5					
AS410	Survival	5					

- FL = Fulfills Financial Literacy Graduation Requirement
- PE = Fulfills Physical Education Graduation Requirement
- SE = Science Elective
- WG = Fulfills World Geography Graduation Requirement

The AFJROTC is designed to instill the values of citizenship through service and character development within a rich academic and service-oriented curriculum. Each AFJROTC program includes three components: aerospace science, leadership education, and wellness. AFJROTC Cadets completing the program also develop life-long leadership and decision-making skills and strategies. In addition to courses, students could have the opportunity to participate in drills, ceremonies, and community service activities outside of the regular school day.

To participate in AFJROTC students must meet the following expectations:

- Wear the regulation AFJROTC uniform ONLY on those occasions prescribed by the Aerospace Science instructors.
- Meet personal grooming standards established by the Air Force (including haircuts).
- Meet the standards of attitude, behavior, and courtesy established and taught by the instructors.

AS100 MILESTONES IN AVIATION HISTORY

5 Credits

Description: Milestones in Aviation History is a course that covers the development of flight throughout the centuries. It all starts with an examination of ancient civilization and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. Must be taken concurrently with LE100 Traditions, Wellness and Foundations of Citizenship.

Credit Earned: Elective

LE100 TRADITIONS, WELLNESS, AND FOUNDATIONS OF CITIZENSHIP

5 Credits

Description: Traditions, Wellness, and Foundations of Citizenship is the first component of JROTC leadership education. It is intended for students who are entering the JROTC program and beginning their high school studies. The course will help prepare you for success as a member of JROTC and a high school student. Must be taken concurrently with AS100 Milestones in Aviation History.

Credit Earned: Successful completion of this course fulfills 5 credits toward the Physical Education Graduation Requirement.

AS200 THE SCIENCE OF FLIGHT: A GATEWAY TO NEW HORIZONS

5 Credits

Description: Cadets will explore how planes fly, the impact of weather conditions on flights, flight and the human body, and navigation. This course applies mathematics, physics, and other science-related aspects. Must be taken concurrently with LE200 Communication Awareness and Leadership.

Credit Earned: Science Elective

LE200 COMMUNICATION, AWARENESS, AND LEADERSHIP

5 Credits

Description: Cadets will practice effective communication skills and Cadet Corps activities. Understanding dynamics of groups and teams, preparing for leadership, solving conflicts and problems, and a focus on personal development are components of this course. Must be taken concurrently with AS200 The Science of Flight: A Gateway to New Horizons.

Credit Earned: Elective

AS220 CULTURAL STUDIES: AN INTRODUCTION TO GLOBAL AWARENESS

5 Credits

Description: Cadets will focus on world affairs and cultural awareness through the study of history, geography, world religions, social issues, economics, political systems, environmental concerns, and human rights while examining six major regions of the world.

Credit Earned: Successful completion of AS220 fulfills the 0408 World Geography Graduation Requirement

AS300 EXPLORING SPACE: THE HIGH FRONTIER

5 Credits

Description: Cadets will learn the history of astronomy and space environment from the earliest days of space into modern astronomy with an in-depth study of the earth, stars, moon, and the solar system. The discussion of issues critical to travel in the upper atmosphere, investigations of the importance of entering space and on concepts surrounding spaceflight, space vehicles, launch systems, and space missions are included within this course. Must be taken concurrently with LE300 Life Skills and Career Opportunities.

Credit Earned: Elective

LE300 LIFE SKILLS AND CAREER OPPORTUNITIES

5 Credits

Description: Cadets will study how to become fiscally responsible while learning how to save, invest, spend money wisely, and avoid the credit trap. Students will increase their knowledge of contracts, leases, warranties, legal notices, personal bills, and practical and money-saving strategies for real-life issues. Cadets will explore career paths and understand requirements needed to be successful beyond high school. Must be taken concurrently with AS300 Exploring Space: The High Frontier.

Credit Earned: Successful completion of this course fulfills the Financial Literacy Graduation Requirement

AS400 MANAGEMENT OF THE CADET CORPS

5 Credits

Description: Cadets will apply theories and techniques learned in previous leadership courses while participating in hands-on application of planning, organizing, coordinating, and directing through leadership experiences. Students will practice communication, decision-making, social interaction, managerial, and organizational skills throughout this course. Must be taken concurrently with LE400 Fundamentals of Management.

Credit Earned: Elective

LE400 FUNDAMENTALS OF MANAGEMENT

5 Credits

Description: Cadets will be exposed to the fundamentals of management by studying the history of management while applying the skills and strategies needed to serve in leadership positions within the corps. Studies will include ethical dilemmas, case studies, and activities based on real life experiences while students practice what they learn. Must be taken concurrently with AS400 Management of the Cadet Corps.

Credit Earned: Elective

AS410 SURVIVAL

5 Credits

Description: Cadets will synthesize basic endurance and persistence information while learning the skills, knowledge, elements, and attitudes necessary for survival through a study of various situations. As part of this course, students will practice orienteering skills and strategies.

Credit Earned: Elective

AP CAPSTONE™

Students interested must attend or transfer to Millard West High School.

AP Capstone™ is an innovative diploma program from College Board. Developed at the request of higher educational professionals, students in high school develop and master the skills they need to focus on completing independent research while collaborating with peers and enhancing communication skills. Students taking the two AP Capstone™ courses will develop disciplined and scholarly skills to better prepare them for post-secondary experiences. These courses will provide opportunity to develop college-level skills in areas like research, critical thinking, and time management.



AP Capstone™ is unique compared to other programs of choice in Millard, for it offers flexibility in student schedules. This allows students to take the AP courses that fit their needs, career goals, and interests. Because of the culture at Millard West, students have more than 20 AP courses to choose from, in addition to AP Seminar and AP Research courses, which are offered as part of the AP Capstone™ program.

A student earns an esteemed AP Seminar Certificate™ after completing the AP Seminar course and the AP Research course with a passing grade of a 3 or higher. In addition to these two classes in the AP Capstone™ program, completion of any 4 AP courses while earning a score of 3 or higher on the exam earns the student an AP Capstone™ Diploma, also a high honor that colleges value.

AP Capstone™ provides students with the skills needed for school and life beyond the classroom. They will learn how to critically think about problems around the world and navigate through possible solutions, while engaging and evaluating multiple perspectives and points of view. The program will help students develop as critical thinkers and allows them to build on their pre-existing skills in research and public speaking. Students will have a chance to truly gain ownership of their learning and take accountability in the learning process.

In AP Seminar, students will read and analyze a variety of sources, discover and research multiple problems, and create solutions, resolutions, or conclusions. In AP Research, students will find a gap in current research, conduct their own research, write about, and present their findings.

Sophomore students are eligible to apply to the AP Capstone™ program for their junior and senior year and must attend or transfer to Millard West to participate. Information on the AP Capstone™ program and the application process is shared in classes and during the registration process. The application process is completed in early December and students are notified of their acceptance status in January.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	
AP CAPSTONE™							This program is located at Millard West High School.
PD80	Academic Seminar	5	9-12				
AP01 A/B	AP Seminar	10	11				Application is open to all Millard students.
AP02 A/B	AP Research	10	12				
							Within District transfer is required to participate.

PD80 ACADEMIC SEMINAR**9-12**

5 Credits

Description: This elective course is for motivated students who want the challenge of a rigorous course and are concerned about taking an academic risk. Academic Seminar provides the opportunity to refine work habits and attitudes necessary for success while enrolled in a course that is the student's personal academic stretch. The course will focus on strengthening and applying critical reading, vocabulary, writing, and mathematical reasoning while improving organization, time management and study skills; developing test taking skills and strategies; and practicing effective decision making and self-advocacy strategies. Students will diagnose their individual needs while setting, measuring, and attaining S.M.A.R.T. Goals related to academic improvement. The course includes customized support and advisement from instructors and peer tutors. Along with external support, the student will self-monitor work habits and academic progress in all courses.

Prerequisites: None

AP01 AP SEMINAR**11**

10 Credits

Description: AP Seminar engages students in exploring academic and real-world topics by looking through a lens of multiple perspectives utilizing different mediums and sources of information. Students will learn how to synthesize information from multiple sources, develop their own insights in written work, and design and deliver oral and visual presentations, both individually and as part of a collaborative team. Students will complete the class with enhanced skills in evaluation and synthesizing information through an evidenced based approach.

Prerequisites: None

Assessment Overview: The AP Seminar assessment has three parts: two performance tasks which are completed over the course of the year and submitted online for scoring through the AP Digital Portfolio. The third part is the end-of-course AP Exam.

AP02 AP RESEARCH**12**

10 Credits

Description: AP Research, the second course for AP Capstone™, allows students to get more in depth with an academic topic, problem, issue, or idea of individual interest. Students will design, plan, and implement an investigation throughout the school year, to address a research question. Through this process, they further the skills they acquired in the AP Seminar course by learning and applying research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students will get the opportunity to reflect on their research development, record their processes, and collect the artifacts of their project through a process and reflection portfolio. The course culminates in an academic paper of 4,000 - 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Prerequisites: AP Seminar

Assessment Overview: AP Research students are assessed on the finalized academic paper, presentation and oral defense of the research. The academic paper is 4,000–5,000 words, and the presentation and defense take approximately 15–20 minutes. There is no end-of-course written exam for AP Research. Instead, students are assessed on performance tasks that are completed from the year long research project. Students will write an academic paper which is submitted online for scoring through the AP Digital Portfolio along with a presentation and an oral defense of their research.

EARLY COLLEGE HIGH SCHOOL

Students accepted must attend or transfer to Millard South High School.

Opening in 2015-2016, the Millard South Early College High School (ECHS) program was developed in partnership with Millard Public Schools, Metropolitan Community College, University of Nebraska at Omaha, and the Millard Public Schools Foundation.



The Early College program allows students the opportunity to earn a Millard diploma while also fulfilling the requirements for an Associate of Arts Degree at Metropolitan Community College within a high school setting. Students may transfer this degree to the University of Nebraska system and other post-secondary institutions to fulfill many of the general education requirements for a Bachelor's degree.

Although the program is articulated to meet many of the general education requirements for the University of Nebraska system, alumni from the ECHS program have shared that the credits transferred to post-secondary institutions across the country. In many instances this transfer of credits has allowed students to complete a Bachelor's degree in less time, pursue a second major, engage in an internship opportunity, take less credits per semester, work while going to school, and a host of other benefits of having the college credits completed while in high school.

The cost savings of the program to families has many facets. The reduced rate of tuition is a clear benefit, although there are other cost savings including textbooks, fees, and time. The majority of students who are accepted into ECHS program complete the program and receive their Liberal Arts/Academic Transfer Associates in Arts (LATAA) degree. Even those that do not complete the degree will have earned a robust college transcript with college credits.

In order to participate students must submit an application to the program in the winter of their 8th grade year to begin in the program their freshman year of high school. Ideal candidates for the program have demonstrated high quality academic performance, scored well on standardized academic assessment measures, have a good attendance record, and receive a positive reference from a teacher or other adult. As part of the application students are also asked to answer several short answer questions regarding their interest in the program and plans for the future.

The Early College Program is open to all high school students within the District regardless of their home school assignment. Students accepted to participate in the Early College Program will attend Millard South High School and must submit an application for transfer by the district deadlines. Contact Millard Public School Student Services (402-715-8300) for questions regarding transfer or enrollment procedures.

Students complete all of their Early College High School courses at Millard South with Millard South teachers who are also Metropolitan Community College approved adjunct faculty. Millard Public Schools provides all textbooks and resources for the students.

The Early College High School courses are dual enrolled for high school credit from Millard and college credit from Metropolitan Community College. The cost of tuition for the college courses is the responsibility of the student and can vary from year to year. Historically the cost has been \$38 per course for Early College courses, although as part of state legislation the cost of tuition for the 2024-2025 school year is \$0 per course. The tuition cost for this upcoming year is waived, although this may change yearly.

More information regarding the program can be found on the following pages of this handbook and at the Early College website at mpsomaha.org.

EARLY COLLEGE HIGH SCHOOL

The following courses are dual enrolled with Metropolitan Community College

Millard South High School			Metropolitan Community College		
Course #	Course Name	Credits	Course #	Course Name	Credits
Art, Business, & Music					
0540	AP Macroeconomics	5	ECON 1000	Macroeconomics	4.5
0541	AP Microeconomics	5	ECON 1100	Microeconomics	4.5
0701	Art History through the Ages	5	ARTS 1000	Introduction to the Visual Arts	4.5
0566	Business Technologies	5	INFO 1001	Information Systems & Literacy	4.5
0720	Drawing	5	ARTS 1010	Elementary Drawing	4.5
0747	Music Exploration	5	MUSC 1050	Music Appreciation	4.5
English Language Arts					
0035	College Writing	5	ENGL 1020	English Composition II	4.5
0033	Creative Writing	5	ENGL 1310	Creative Writing	4.5
0007A	English 11 A	5	ENGL 1010	English Composition I	4.5
0007B	English 11 B	5	ENGL 2450	Introduction to Literature	4.5
0067	Global Perspectives Through Literature	5	HUMS 1150	The Humanities in the Non-Western World	4.5
0004A	Honors English 10 A	5	ENGL 1010	English Composition I	4.5
0004B	Honors English 10 B	5	ENGL 2450	Introduction to Literature	4.5
0020	Speech	5	COMS 1110	Public Speaking	4.5
Mathematics					
Both	MA18 Algebra 2 & MA30 Algebra 3	10	MATH 1312	Intermediate Algebra	4.5
Both	MA20 Hon. Alg 2 & MA32 H. Alg. 3	10	MATH 1312	Intermediate Algebra	4.5
MA58	AP Calculus AB	10	MATH 2410	Calculus I	7.5
MA60A	AP Calculus BC	5	MATH 2410	Calculus I	7.5
MA60B	AP Calculus BC	5	MATH 2411	Calculus II	7.5
MA54A	AP Precalculus A	5	MATH 1425	Precalculus Algebra	5
MA54B	AP Precalculus B	5	MATH 1430	Trigonometry	5
MA56	AP Statistics	10	MATH 1410	Statistics	4.5
MA64A	Calculus III/Differential Equations	10	MATH 2412	Calculus III	6
MA64B	Calculus III/Differential Equations	10	MATH 2510	Differential Equations	4.5
MA52	College Algebra	10	MATH 1425	Precalculus Algebra	5
MA38	Trigonometry	5	MATH 1430	Trigonometry	4.5
Science					
0383	AP Physics I: Algebra-Based	10	PHYS 110 ABC	Principles of Physics IA, IB, IC	7.5
0327	Biology	10	BIOS 1010	Introduction to Biology	6
0334	Chemistry	10	CHEM 1010	College Chemistry	5
0362	Human Anatomy and Physiology	10	BIOS 1310	Survey of Anatomy & Physiology	5
0352	Physics	10	PHYS 1010	Applied Physics	4.5
Social Studies					
PD80	Academic Seminar	5	HMRL 1010	Human Relations Skills	4.5
0450A	AP US History A	5	HIST 1010	United States History to 1877	4.5
0450B	AP US History B	5	HIST 1020	U.S. History from 1865 to Present	4.5
0424A	AP World History A	5	HIST 1110	World Civil. from Prehistory to 1500	4.5
0424B	AP World History B	5	HIST 1120	World Civil. from 1500 to Present	4.5
0420A	World History A	5	HIST 1110	World Civil. from Prehistory to 1500	4.5
0420B	World History B	5	HIST 1120	World Civil. from 1500 to Present	4.5
0414	US Government & Economics	5	POLS 2050	American National Government	4.5
0415	AP US Government & Politics	5	POLS 2050	American National Government	4.5
0453	AP Psychology	10	PSYC 1010	Introduction to Psychology	4.5

Course #	Course Name	Credits	Course #	Course Name	Credits
World Language					
0139A	AP French A	5	FREN 2110	Intermediate French I	4.5
0139B	AP French B	5	FREN 2120	Intermediate French II	4.5
0119A	AP German A	5	GERM 2110	Intermediate German I	4.5
0119B	AP German B	5	GERM 2120	Intermediate German II	4.5
0159A	AP Spanish A	5	SPAN 2210	Conversation Skills I	4.5
0159B	AP Spanish B	5	SPAN 2220	Conversation Skills II	4.5
0134	Honors French II	10	FREN 1110	Elementary French I	7.5
0136	Honors French III	10	FREN 1120	Elementary French II	7.5
0114	Honors German II	10	GERM 1010	Elementary German I	7.5
0118	Honors German III	10	GERM 1020	Elementary German II	7.5
0154	Honors Spanish II	10	SPAN 1110	Elementary Spanish I	7.5
0156	Honors Spanish III	10	SPAN 1120	Elementary Spanish II	7.5
0158A	Honors Spanish IV/V	5	SPAN 2110	Intermediate Spanish I	4.5
0158B	Honors Spanish IV/V	5	SPAN 2120	Intermediate Spanish II	4.5
Credit granted by passing AP exam with a 3,4, or 5					
0456	AP Human Geography	10	GEOG 1050	Intro to Human Geography	4.5

PD80 ACADEMIC SEMINAR

9

5 Credits

Description: This elective course is for motivated students who want the challenge of a rigorous course and are concerned about taking an academic risk. Academic Seminar provides the opportunity to refine work habits and attitudes necessary for success while enrolled in a course that is the student's personal academic stretch. The course will focus on strengthening and applying critical reading, vocabulary, writing, and mathematical reasoning while improving organizational, time management, and study skills, developing test taking skills and strategies, and practicing effective decision making and self-advocacy strategies. Students will diagnose their individual needs while setting, measuring, and attaining S.M.A.R.T. goals related to academic improvement. The course includes customized support and advisement from instructors and peer tutors. Along with external support, the student will self-monitor work habits and academic progress in all courses.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HMRL 1010 (4.5 credits) from Metropolitan Community College.



INTERNATIONAL BACCALAUREATE® MIDDLE YEARS PROGRAMME **Millard North High School only**

Middle Years Programme (IB-MYP)

The International Baccalaureate Organization's Middle Years Programme, offered by the IBO since 1994, provides a challenging framework that encourages students to make practical connections between their studies and the real world, preparing them for success in further study and in life. The MYP aims to develop active learners and internationally minded young people who can empathize with others and pursue lives of purpose and meaning. The result is young people who are creative, critical, and reflective thinkers. Students who complete the MYP are well-prepared to undertake the IB Diploma Programme.

Research shows that students participating in the MYP:

- Build confidence in managing their own learning.
- Learn by doing, connecting the classroom to the larger world.
- Outperform non-IB students in critical academic skills.
- Consistently have greater success in IB Diploma Programme examinations.
- Thrive in positive school cultures where they are engaged and motivated to excel.
- Develop an understanding of global challenges and a commitment to act as responsible citizens.

This program requires enrollment at Millard North High School. It is a two-year program in which students must enter at the 9th grade level and continue through the 10th grade. It is not necessary for a student to have participated at the middle school level. The MYP is not a prerequisite to the Diploma Programme. While participation in the MYP is not required to enter the IB Diploma Programme, research suggests that students who do participate in MYP have greater success in the IB-DP than their non-MYP peers.

Students must sign up for the IB Middle Years Programme during registration. For further information about the IB Middle Years Programme contact the IB-MYP Coordinator at (402) 715-1363.

The requirements for successful completion of the IB-MYP at Millard North High School include:

- Enrollment in and successful completion of at least six out of the eight MYP subject areas during both the ninth and tenth grades.
 - Subject Areas Include: Language and Literature, Language Acquisition, Individuals and Societies, Science, Mathematics, Arts, Design, Physical Education
- Completion of 4 community and service experiences and reflections in both ninth and tenth grades.
- Creation and presentation of a Person Project during the tenth grade.

IB Middle Years Program Course Completion Sequence

Students must be registered in **at least six year-long** MYP subject areas **each year** in order to be eligible for an IB-MYP Certificate. In order to ensure all requirements are met, it is recommended that students follow the suggested sequence below.

Subject Area 1: Language A (9 th Grade)		Subject Area 1: Language A (10 th Grade)	
English 9 English 9 Literacy Enrichment	Honors English 9	English 10 Eng 10 Literacy Enrichment	Honors English 10
Subject Area 2: Language B		Subject Area 2: Language B	
Spanish I Spanish II French I French II German I German II	Honors Spanish I Honors Spanish II Honors French I Honors French II Honors German I Honors German II Honors Latin I	Spanish II Spanish III German II German III French II French III	Honors Spanish II Honors Spanish III Honors German II Honors German III Honors French II Honors French III Honors Latin II
Subject Area 3: Mathematics		Subject Area 3: Mathematics	
Algebra I: Foundations I Algebra I Geometry Algebra II Precalculus Honors Geometry Honors Algebra II Honors Precalculus	Foundations Algebra 1 Foundations Geometry 1 Algebra 1 and Geometry 1 Algebra 2 and Geometry 2 Algebra 3 and Algebra 4: Prob & Stats AP Precalculus	Algebra/Geometry: Foundations II Algebra I Geometry Algebra II Precalculus Honors Geometry Honors Algebra II Honors Precalculus	Foundations Algebra 2 Foundations Geometry 2 Algebra 2 and Geometry 2 Algebra 3 and Algebra 4: Prob & Stats AP Precalculus
Subject Area 4: Science		Subject Area 4: Science	
Biology Chemistry (optional, but not required for DP students)		Physical Science: Chemistry Chemistry**	Physical Science: Physics Physics** or AP Physics 1: Algebra-Based** Intro to IB Chemistry & IB Physics**
		**Recommended sequence for students continuing in IBDP	
Subject Area 5: Humanities		Subject Area 5: Humanities	
World Geography AP Human Geography	International Relations Human Diversity	World History AP World History	
Subject Area 6: Choose ONE Area for the 9 th grade Physical Education, Technology & Design Arts		Subject Area 6: Choose ONE Area for the 10 th grade Physical Education, Technology & Design Arts	
Semester One:	Semester Two:	Semester One:	Semester Two:
Other Choice Elective	Other Choice Elective	Other Choice Elective	Other Choice Elective

Students must be enrolled in a full year of Physical Education, Design, or the Arts during both the 9th and 10th grade.

Course Options for Subject Area 6:

Physical Education	Design	Arts
Sport Skills & Fitness Cross Training I Cross Training II Aquatics Healthy Living	Business Technologies Digital Media Personal Finance Marketing Computer Science Programming AP Computer Science Principles (YR) Introduction to Engineering Engineering and Design A Speech/Debate Forensics: Competitive Speech (YR) Competitive Debate <i>**Courses will meet the IB-MYP requirements for the designated subject area</i>	Intro to 2D Art Intro to 3D Art Pottery and Sculpture (Intro to 3D Prerequisite) Drawing (Intro to 2D Art Prerequisite) Painting (Intro to 2D Art Prerequisite) Digital Music Production/Songwriting (YR) Music Exploration Any Journalism* Any Music Ensemble Yearbook* <i>*Does not meet Millard Fine Arts Requirement</i>

Additional Program Requirements

9 th Grade Community and Service	10 th Grade Community and Service
20 Hours – Verification and PLP reflection should be submitted to IB-MYP Coordinator by the end of the school year. <i>10 hours may be completed through participation in an Activity at MNHS</i>	20 Hours – Verification and PLP reflection should be submitted to IB-MYP Coordinator by the end of the school year. <i>10 hours may be completed through participation in an Activity at MNHS</i>
IB-MYP Meetings	Personal Project
Bi-Monthly meetings with the Program Coordinator to discuss community and service, assessments, and introduction to the Personal Project.	Meetings with Project Supervisor and completion of a product and written reflection of the process.

INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME

Diploma Programme (IBDP)

The International Baccalaureate® (IB) Diploma Programme, created in 1968, is a demanding pre-university course of study that leads to examinations and is designed for highly motivated secondary school students aged 16 to 19 in the 11th and 12th grades. The program has earned a reputation for rigorous assessment, giving IB diploma holders access to the world's leading universities. The International Baccalaureate® Organization has shown that students are well prepared for university work.

The Diploma Programme's grading system is criterion referenced. Each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. Grades reflect attainment of knowledge and skills relative to set standards that are applied equally to all schools.

The program is a comprehensive two-year international curriculum that generally allows students to fulfill the requirements of their national or state education systems. The Diploma Programme incorporates the best elements of national systems without being based on any one. Internationally mobile students are able to transfer from one IB school to another while students who remain closer to home benefit from a highly respected international curriculum.

Students are responsible for paying the cost of the IB exams. The cost is updated annually by International Baccalaureate® (IB). In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to support the International Baccalaureate® (IB) program by contributing to IB exam fees for students qualifying for the Free and Reduced Price Meals Program.

The IB's goal is to provide students with the values and opportunities that will enable them to develop sound judgment, make wise choices, and respect others in the global community. The Diploma Programme equips students with the skills and attitudes necessary for success in higher education and employment through emphasis on the Learner Profile, which describes a broad range of human capacities and responsibilities that go beyond academic success. The profile aims to develop learners who are inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced, and reflective.

Students study six academic subjects concurrently; students are required to study both the humanities and the sciences. Diploma candidates must select one subject from each of the six groups. Three courses are taken at higher level (HL), while three other courses are taken at the standard level (SL). HL courses span two years of study, while most SL courses represent one year. Students are thus able to explore some subjects in depth and others more broadly. The science-oriented student is challenged to learn a foreign language, and the natural linguist becomes familiar with laboratory procedures. The subjects are continually reviewed and revised collaboratively by IB teachers to meet contemporary needs.

The IB-DP curriculum at Millard North High School consists of six subject groups:

Group 1	Language A	(best language)	IB English: Literature HL
Group 2	Language B	(second language)	French B SL, German B SL, Latin SL, Spanish B SL
Group 3	Individuals and Societies		Early Modern World History SL/HL I, History of the Americas HL II, Psychology SL, Business Management SL/HL
Group 4	Experimental Sciences		Biology SL/HL, Chemistry HL, Physics SL/HL, Computer Science HL
Group 5	Mathematics		Mathematics Applications and Interpretations SL/HL, Mathematics Analysis and Approaches HL
Group 6	Electives		Music SL, Visual Arts SL/HL, Film SL/HL, or a second course selection from Language B, Individuals and Societies, or Experimental Sciences

**International Baccalaureate® Organization, February 2000: Reprinted by permission from the IBO 2002.*

*HL = Higher Level
SL = Standard Level*

Theory of Knowledge (TOK): TOK is an interdisciplinary requirement intended to stimulate critical reflection on knowledge and experience gained inside and outside the classroom. The course challenges students to question the bases of knowledge, to be aware of subjective and ideological biases, and to develop the ability to analyze evidence. TOK is a key element in encouraging students to appreciate other cultural perspectives. The course is unique to International Baccalaureate[®], which recommends at least 100 hours of teaching time spanning the program's two years. Diploma candidates are encouraged to reflect on all aspects of their work throughout the program. They examine the grounds for the moral, political, and aesthetic judgments that individuals must make in their daily lives.

Creativity, Activity, Service (CAS): The IB's goal is to educate the whole person, to help students become responsible, compassionate citizens. The CAS requirement of one afternoon each week while in the two-year program encourages students to share their energy and special talents with others; students may, for example, participate in theatre or musical productions, sports and community service activities. Students should, through these activities, develop greater awareness of themselves and concern for others, and the ability to work cooperatively with other people.

Creativity is interpreted broadly. It includes a wide range of arts activities but can also be defined as the creativity students show in designing and implementing service projects. Activities can include participation in individual and team sports or fitness activities, taking part in expeditions, and in local or international projects. Service encompasses a host of community and social service activities, such as helping children with special needs, visiting hospitals, and working with refugees or people experiencing homelessness. The goal of the service component is to instill in students a sense of mutual responsibility and learning between members of the community and themselves.

Extended Essay (4,000 words): Each student has the opportunity to investigate a topic of special interest. The research-based essay requirement acquaints diploma candidates with the kind of independent research and writing skills expected by universities. The IB recommends that a student devote a total of about 40 hours of private study and writing time to the essay, which may be written in English, French, or Spanish. The essay permits students to deepen their programs of study, for example by selecting a topic in one of their higher level (HL) courses; they might add breadth to their academic experience by electing to write in a subject not included in their program choices.

Assessment and Award of Diploma: Classroom teachers and IB DP examiners work in partnership to ensure that students have ample opportunity to demonstrate what they have learned. Responsibility for all academic judgments about the quality of candidates' work rests with some 4,000 IB teachers/examiners around the world, led by chief examiners with international authority in their fields. Over 100,000 students annually are assessed by the IBO. Each year approximately 80% of candidates who attempt the diploma succeed in earning it worldwide.

All IB Diploma candidates are required to test in one subject from each of the six groups. Students are responsible for paying the cost of the IB exams. The cost is updated annually by the International Baccalaureate[®] Organization. In an effort to eliminate a potential financial barrier for students, the MPS Foundation continues their commitment to paying the IB exam fees for students qualifying for the Free and Reduced Price Meals Program.

All students will take three courses at Standard Level and three at the Higher Level. Each examined subject is graded on a scale of 1 (minimum) to 7 (maximum). The award of the Diploma requires a minimum total of 24 points and the successful completion of three additional core requirements: the **Extended Essay, Theory of Knowledge (TOK), and Creativity, Activity, Service (CAS)**. Up to 3 additional Diploma Points may be awarded for an Extended Essay or Theory of Knowledge essay above the minimum acceptable passing grade. A final, official IB transcript will be sent by the International Baccalaureate[®] following the grade awarding and upon the request of the student. Results are available in July for May session candidates. Students also must satisfy the Millard School District Graduation Requirements to receive the Millard North High School diploma.

Students wanting to pursue the IB Diploma Programme are encouraged to begin the study of a world language at an Honors level. It is also preferable to have completed Algebra and/or Geometry by the end of eighth grade. Where there is no comparable AP course, students not in the Diploma Programme may register for unique IB DP courses: IB Film, TOK I and II, IB Early Modern World History SL/HL I, and Visual Arts. External IB examination would not be permitted for such students.

Meetings for interested parents and students are held in January. Applications are due by mid-February of the student's 8th grade year. For further information about the IB Diploma Programme, contact the International Baccalaureate[®] Diploma Coordinator at (402) 715-1226.

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INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME
Offered at Millard North only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core
INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME						
0016 A/B	IB English: Literature HL I	10	11		0003, 0004	*
0017 A/B	IB English: Literature HL II	10	12		0016+	*
0140 A/B	IB French B SL	10	12		0138	
0120 A/B	IB German B SL	10	12		0118	
0161 A/B	IB Latin SL	10	12		0164	
0160 A/B	IB Spanish B SL	10	12		0158	
0171 A/B	IB Spanish A2 HL A	10	12		0158	
0554 A/B	IB Business Management SL/HL I	10	11			
0555 A/B	IB Business Management HL II	10	12		0554	
0266 A/B	IB Computer Science HL I	10	11		0569+	
0267 A/B	IB Computer Science HL II	10	12		0266	
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0238, 0239 or MA54	
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268 or MA66	
MA70 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0238, 0239 or MA54	
MA72 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270 or MA70	
MA74 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231, 0238, 0239, 0243 or MA30	
0371 A/B	IB Chemistry HL I	10	11		0321	*
0372 A/B	IB Chemistry HL II	10	12		0371	*
0375 A/B	IB Biology SL	10	11-12			*
0376 A/B	IB Biology HL I	10	11		0334	*
0378 A/B	IB Biology HL II	10	12		0376	*
0380 A/B	IB Physics SL	10	11-12		0321+	*
0381 A/B	IB Physics HL I	10	11		0321+	*
0382 A/B	IB Physics HL II	10	12		0381	*
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			*
0433 A/B	IB Psychology SL	10	11-12			*
0455 A/B	IB History of the Americas HL II	10	12		0458	*
0727 A/B	IB Visual Arts SL	10	11-12		0720, 0722, 0709	
0728 A/B	IB Visual Arts HL I	10	11	F	0720, 0722, 0709	
0729 A/B	IB Visual Arts HL II	10	12		0728	
0767 A/B	IB Music SL Band	10	11-12	F		
0769 A/B	IB Music SL Orchestra	10	11-12	F		
0850	IB Theory of Knowledge I	5	11	HR		
0851	IB Theory of Knowledge II	5	12		0850	
0073 A/B	IB Film SL	10	11-12			
0074 A/B	IB Film HL I	10	11			
0075 A/B	IB Film HL II	10	12		0074	

F = Fulfills Fine and Performing Arts Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

† = See course descriptions for additional requirements.

*Course descriptions are included within each department description: see page listed above.

0850 IB THEORY OF KNOWLEDGE I**11 North only 5 Credits**

Description: The Theory of Knowledge course is a required component of all International Baccalaureate® Programme diploma candidates and is an elective course for students not working toward an IB diploma. The course may be seen as a matrix in which the distinct forms of knowledge specific to the various subject areas can be critically evaluated, compared and contrasted, and, to an appropriate degree, integrated. The Theory of Knowledge course is intended to encourage students to develop a critical awareness of what they and others know through analyzing concepts, arguments and the basis of value judgments. The course is taught as a two-year sequence beginning in the junior year. TOK I will satisfy the 5 credit Human Resources requirement in 11th grade.

Prerequisites: None

0851 IB THEORY OF KNOWLEDGE II**12 North only 5 Credits**

Description: This course is the second year of a required component of the International Baccalaureate® Programme. It is a continuation and expansion of the TOK curriculum taught in the 11th grade. The course includes an oral project as the internal IB assessment and culminates with the TOK Essay as the external assessment. TOK II is five credits of electives in 12th grade.

Prerequisites: IB Theory of Knowledge I

Millard North High School IB Exams Offered and Course Completion Sequence

PROJECTED IB DP EXAM	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Group 1 - Language A1				
English HL - Literature	Honors English 9	Honors English 10	IB English: Literature HL I	IB English: Literature HL II
Group 2 - Language B				
French SL	Honors French I	Honors French II	Honors French III	IB/AP French SL
German SL	Honors German I	Honors German II	Honors German III	IB/AP German SL
Latin SL	Honors Latin I	Honors Latin II	Honors Latin III	IB/AP Latin SL
Spanish SL	Honors Spanish I	Honors Spanish II	Honors Spanish III	IB Spanish SL
Group 3 – Individuals and Society				
IB Business Management SL/HL			IB Business Management SL/HL I	IB Business Management HL II
IB Early Modern World History SL/HL I	World Geography or AP Human Geography	World History or AP World History	IB Early Modern World History SL/HL I	U.S. History or AP U.S. History and U.S. Government and Economics or AP U.S. Government and Politics
History of the Americas HL	World Geography or AP Human Geography	World History or AP World History	IB Early Modern World History SL	IB History of Americas HL II and U.S. Government and Economics or AP U.S. Government and Politics
Psychology SL	World Geography or AP Human Geography	World History or AP World History	IB Psychology SL	U.S. History or AP U.S. History and U.S. Government and Economics or AP U.S. Government and Politics
Group 4 - Experimental Sciences	9th Grade	10th Grade	11th Grade	12th Grade
Biology SL	Biology	Chemistry	Physics	Biology SL
	Biology	Chemistry Physics	Biology SL	
	Biology	P.Science Chem/P.Science Physics	Biology SL	
Biology HL	Biology	Chemistry Physics	Biology HL I	Biology HL II
Chemistry HL	Biology	Chemistry Physics	Chemistry HL I	Chemistry HL II
	Biology	Physics Introduction to IB Chemistry (semester)	Chemistry HL I	Chemistry HL II

Preferred sequences in bold

Millard North High School
IB Exams Offered and Course Completion Sequence

Group 4 - Experimental Sciences (cont.)	9th Grade	10th Grade	11th Grade	12th Grade
Physics SL	Biology	Chemistry	Physics	Physics SL
	Biology	Chemistry Physics	Physics SL	
	Biology	Chemistry	Introduction to IB Physics (semester)	Physics SL
Physics HL	Biology	Chemistry Physics	Physics HL I	Physics HL II
	Biology	Chemistry Intro to IB Physics (semester)	Physics HL I	Physics HL II
Computer Science HL		Computer Science Programming	Computer Science HL I	Computer Science HL II
Group 5 - Mathematics				
Mathematics Applications and Interpretations SL	Geometry	Algebra II	IB Mathematics Applications and Interpretations SL	Elective
	Algebra I Geometry	Geometry Algebra II	Algebra II Precalculus	IB Mathematics Applications and Interpretations SL
	Geometry 1 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	IB Mathematics Applications and Interpretations SL	Elective
	Algebra 2 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	IB Mathematics Applications and Interpretations SL	Elective
	Algebra 1 AND Geometry 1	Algebra 2 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	IB Mathematics Applications and Interpretations SL
	Algebra 1 AND Geometry 1	Honors Algebra 2 AND Honors Geometry 2	Precalculus OR Hon PreCalc OR AP Precalculus	IB Mathematics Applications and Interpretations SL
	Algebra 2 AND Geometry 2	Algebra 3 AND Algebra 4: Probability & Statistics	Precalculus OR Hon PreCalc OR AP Precalculus	IB Mathematics Applications and Interpretations SL
Honors Algebra 2 AND Honors Geometry 2	Honors Algebra 3 AND Algebra 4: Probability & Statistics	Precalculus OR Hon Precalc OR AP Precalculus	IB Mathematics Applications and Interpretations SL	
Mathematics Applications and Interpretations HL	Honors Algebra II	Honors Precalculus	IB Mathematics Applications and Interpretations HL I	IB Mathematics Applications and Interpretations HL II
	Honors Algebra 3 AND Algebra 4: Probability & Stats	Honors Precalculus OR AP Precalculus	IB Mathematics Applications and Interpretations HL I	IB Mathematics Applications and Interpretations HL II
Mathematics Analysis and Approaches HL	Honors Algebra II	Honors Precalculus	IB Mathematics Analysis and Approaches HL I	IB Mathematics Analysis and Approaches HL II
	Honors Algebra 3 AND Algebra 4: Probability & Stats	Honors Precalculus OR AP Precalculus	IB Mathematics Analysis and Approaches HL I	IB Mathematics Analysis and Approaches HL II
Group 6 – Arts & Electives				

Visual Arts SL Visual Arts HL	Intro to 2D Art /Elective Intro to 2D Art /Elective	Drawing, Painting, Digital & Graphic Arts	IB Visual Arts SL IB Visual Arts HL I	Elective IB Visual Arts HL II
Film SL			IB Film SL/HL I	IB Elective
Film HL			IB Film SL/HL I	IB Film HL II
Music SL	Any Band or Orchestra	Any Band or Orchestra	IB Music SL Any Band or Orchestra (one class period)	Any Band, Orchestra or Elective
Latin SL Psychology SL A second science from Group 4 (SL or HL)	Honors Latin I	Honors Latin II	Honors Latin III IB Psychology SL IB Biology SL/HL I IB Physics SL, Chemistry HL I	IB Latin SL Elective IB Biology HL II IB Chemistry HL II or IB Physics HL II
IB DP Core Requirements				
Theory of Knowledge			Elective (1 st semester) IB TOK I (2 nd semester)	IB TOK II (1 st semester) US Govt. & Econ. (2 nd semester) or AP U.S. Government & Politics
Extended Essay (not a course)			Extended Essay	Complete Extended Essay (2 nd semester)
CAS (not a course)			CAS hours one afternoon per week	

Preferred sequences in bold

Name _____ Graduation Year _____ MYP _____ YES _____ NO _____

INTERNATIONAL BACCALAUREATE® FOUR YEAR PLAN

IB Group/Course	9th grade	10th grade	11th grade	12th grade
Group I: Language A	1. Hon English 9	1. Hon English 10	1. IB English: Lit HL I	1. IB English: Lit HL II
Group II: Language B	2.	2.	2.	2. IB SL
Group III: Individuals & Societies	3.	3.	3.	3.
Group IV: Experimental Sciences	4. Biology	4.	4.	4.
Group V: Mathematics new courses to consider	5.	5.	5.	5.
Group VI: Arts and Electives	6.	6.	6.	6.
	7.	7.	7. Sem. 1: Sem. 2: TOK	7. Sem. 1: TOK Sem. 2: US Gov't
Zero Hour <i>These courses are not guaranteed to be offered, and students may take only a zero or eighth hour class.</i>				
Eighth Hour <i>These courses are not guaranteed to be offered, and students may take only a zero or eighth hour class.</i>				
Summer School <i>These courses are not guaranteed to be offered or open for enrollment.</i>				
Alternate Courses				

NOTES/COMMENTS:

- Theory Of Knowledge (TOK) is a Human Resources class
- Remember to include other graduation requirements:

3 semesters of PE	Fine and Performing Arts	Technology Education
Healthy Living	Personal Finance	

OTHER OPPORTUNITIES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
OTHER OPPORTUNITIES										
PD80	Academic Seminar	5	9-12				*	*	*	*
PD85	Academic Seminar Leadership	5	10-12		†		*	*	*	*
---	ACT® Prep Workshop	0	9-12				*	*	*	*
---	ELO Reteaching Courses	5					*	*	*	*
---	Independent Study Courses	5 or 10					*	*	*	*
YBC02 A/B	Intern Omaha Experience	10	12		†			*	*	
UNMC1-15	UNMC High School Alliance	40	11-12					*	*	*
---	Zoo Academy	45	11-12		†			*	*	*

† = See course description for additional requirements.

PD80 ACADEMIC SEMINAR

9-12

5 Credits

Description: This elective course is for motivated students who want the challenge of a rigorous course and are concerned about taking an academic risk. Academic Seminar provides the opportunity to refine work habits and attitudes necessary for success while enrolled in a course that is the student's personal academic stretch. The course will focus on strengthening and applying critical reading, vocabulary, writing, and mathematical reasoning while improving organization, time management, and study skills, developing test taking skills and strategies, and practicing effective decision making and self-advocacy strategies. Students will diagnose their individual needs while setting, measuring, and attaining S.M.A.R.T. goals related to academic improvement. The course includes customized support and advisement from instructors and peer tutors. Along with external support, the student will self-monitor work habits and academic progress in all courses.

Prerequisites: None

PD85 ACADEMIC SEMINAR LEADERSHIP

10-12

5 Credits

Description: This elective course provides an opportunity for students to apply the Millard Public Schools College and Career Readiness Standards and Indicators by refining leadership characteristics, problem solving skills, communication skills, and abilities needed to assist fellow students in their personal academic success. Student leaders will apply their learning while serving as mentors within the Academic Seminar course. Student leaders will be trained and assessed on the application of ethics and professionalism in the classroom and facilitation skills and strategies applicable to individual and small group leadership. Student leaders serve as active peer models and tutors while having a direct, positive impact on the academic and personal development of others.

Prerequisites: An application process to be completed through the High School Guidance Office. Participation in this course is limited to one time.

ACT® PREP WORKSHOP (before/after school and/or summer school)

Not for credit

Description: Students will review test-taking skills for the ACT® by applying strategies required for successful completion of this test. The workshop does not take the place of academic preparation gained through high school courses. Through focused instruction, practice with actual test items, and independent activities, students diagnose their individual needs and implement plans to improve their immediate scores and enhance academic performance in high school and in college. The workshop will include a timed practice section of each area of the test, test-taking strategies, review of all test instructions, timing techniques, avoidance of common errors, and development of positive thinking.

ESSENTIAL LEARNER OUTCOME (ELO) RETEACHING COURSES

5 Credits

Elective review courses may be available for students who have not met cut scores in Essential Learner Outcomes of College and Career Readiness in Reading, Mathematics, or Science. Students will acquire knowledge and skills in areas of deficiency, develop reading strategies that apply to the respective discipline, and apply test-taking strategies in the respective discipline.

YBC02 INTERN OMAHA EXPERIENCE**12**

10 Credits

Description: Intern Omaha Youth Business and Community Partnership is leading the charge in workforce development efforts at the high school level by connecting high school seniors to internships with some of the city's best employers in the business, IT, trades, and automotive fields.

Prerequisites: Participation in the Avenue Scholars program.

UNMC1-15 UNMC HIGH SCHOOL ALLIANCE**11-12**

40 Credits

Description: Millard Public Schools will participate in a partnership with the University of Nebraska Medical Center (UNMC) to offer science classes to high school juniors and seniors selected to participate in the UNMC High School Alliance. The Alliance will provide students with the opportunity to observe, shadow, and work alongside health care professionals and researchers at UNMC. Students who are interested in pursuing a career in health care research should consider applying to the UNMC Alliance. The Alliance students will take classes that are not available in the traditional high school setting. These accredited classes will be taught in partnership by UNMC faculty and certified high school teachers on the UNMC campus. Students will attend their Millard high school in the morning and would then travel to UNMC for their Alliance classes in the afternoon. Participation in the UNMC High School Alliance requires a one year commitment. Participants will earn 20 credits per semester toward Millard high school graduation.

Eligibility:

- Be a current sophomore or junior to apply for the following school year
- Be at least 16 years of age at the beginning of the upcoming school year
- Have completed and received a grade of "B" or better in Algebra I, Biology, a physical science course, and a third year of science (juniors can be currently enrolled in their third year of science)
- Obtain parental/guardian permission
- Be enrolled in a participating high school for the entire school year
- Be on track for graduation
- Students will be responsible for transportation to UNMC

Submit an application by the deadline. The deadline varies from year to year, contact your school guidance office for the most up-to-date information on applications. See the UNMC Health Science Alliance website for additional information: <http://www.unmc.edu/alliance/>

ZOO ACADEMY**11-12**

45 Credits

Description: Millard Public Schools will participate in a partnership with the Henry Doorly Zoo and Aquarium to offer classes to high school juniors and seniors selected to participate in the Zoo Academy along with students from other local school districts. The Academy will provide students with the opportunity to observe, shadow and work alongside zoo professionals and researchers. Students who are interested in pursuing a career in animal science or conservation should consider applying to the Zoo Academy. Participants in the Zoo Academy may select either an Animal Science Pathway or a Conservation Research Pathway. The Zoo Academy students will take classes that are not available in the traditional high school setting. These accredited classes will be taught by certified high school teachers at the Henry Doorly Zoo. Zoo Academy students attend their Millard high school half of their school day and travel to the Zoo for the remaining half day. Participation in the Zoo Academy requires a two year commitment. Participants will earn 22.5 credits per semester toward Millard high school graduation.

Eligibility:

- Be a current sophomore to apply
- Be on-track for graduation and enrolled in your assigned high school for the entire school year
- Have parental consent for participation
- Students will be responsible for transportation to the Henry Doorly Zoo

Additional information can be found at www.Omahazoo.com/ZooAcademy

Prerequisites: Submit an application online. Deadline varies by year, check with your schools counseling office for deadline for the current year.

INDEPENDENT STUDY COURSES

5 or 10 Credits

Description: Students will be required to meet with a coordinating independent study teacher for a block of time on a daily basis. Students must complete a minimum of 80 hours contact time to earn 5 credits and 160 contact hours for 10 credits. Independent studies can only be taken for course work that exceeds the sequence of course offerings and other elective courses within the discipline. Independent studies count toward elective credit only.

Teachers work with students on independent studies voluntarily as an extra part of their workload. The student and teacher must mutually agree upon the requirements and expectations for granting of credit. The student and teacher must create a contract that they both sign including the meeting times, learning expectations, and outcomes. This contract should be presented to and approved by the Assistant Principal for Curriculum and Instruction. Once this contract has been approved, the student should register for the independent study with the building registrar. No more than 10 credits may be earned through Independent Study.

TRANSFER CREDIT COURSES for Students Currently Enrolled

Description: Millard Public Schools high school students may earn transfer credit from other institutions as defined in Board of Education Rule 6320.4. Transfer credits are defined as any credit not earned at a Millard Public Schools high school. Millard Public Schools reserves the sole right to grant credit for work completed at or through other institutions. Courses must be pre-approved. Students must complete a *Millard Public Schools Transfer Credit Application* and submit to their high school registrar for consideration.

ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE (MCC)

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	Dual Enrollment Credit	ACT Core
ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE							
MCC01 A/B/C	3-D Animation and Games	15	11-12			M	
MCC02 A/B/C	Administrative Technology	15	11-12			M	
MCC06 A/B/C	Advanced Manufacturing - Year 1	10	11-12			M	
MCC43 A/B/C	Advanced Manufacturing - Year 2	10	12			M	
MCC04 A/B/C	Architecture Technology	15	12			M	
MCC18 A/B/C	Automotive Collision Technology - Year 1	10	11-12			M	
MCC35 A/B/C	Automotive Collision Technology - Year 2	10	12			M	
MCC19 A/B/C	Automotive Technology	10	11-12			M	
MCC45 A/B/C	Business - Year 1	15	11-12			M	
MCC46 A/B/C	Business - Year 2	15	12			M	
MCC28 A/B/C	Certified Nursing Assistant (CNA)	10	11-12			M	
MCC05 A/B/C	Civil Engineering Technology	15	12			M	
MCC14 A/B/C	Construction Technology - Year 1	15	11-12			M	
MCC15 A/B/C	Construction Technology - Year 2	15	12			M	
MCC22 A/B/C	Criminal Justice	15	12			M	
MCC39 A/B/C	Culinary Arts Foundations	10	11-12			M	
MCC47 A/B/C	Data Science	15	11-12			M	
MCC24 A/B/C	Diesel Technology - Year 1	10	11-12		†	M	
MCC36 A/B/C	Diesel Technology - Year 2	10	12			M	
MCC27 A/B/C	Digital Cinema and Filmmaking	10	11-12			M	
MCC07 A/B/C	Early Childhood Education	15	12			M	
MCC23 A/B/C	Electrical Technology - Year 1	15	11-12			M	
MCC37 A/B/C	Electrical Technology - Year 2	10	12			M	
MCC29 A/B/C	Emergency Medical Technician (EMT)	15	12			M	
MCC32 A/B/C	Fire Science Technology - Year 1	10	11-12			M	
MCC33 A/B/C	Fire Science Technology - Year 2	10	11-12			M	
MCC08 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 1	10	11-12			M	
MCC09 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 2	10	12			M	
MCC21 A/B/C	Horticulture, Land Systems and Management	10	11-12			M	
MCC38 A/B/C	Horticulture, Land Systems and Management	10	12			M	
MCC48 A/B/C	Human Services	15	11-12			M	
MCC11 A/B/C	IT Technician - Cyber Security - Year 1	15	11-12			M	
MCC44 A/B/C	IT Technician - Cyber Security - Year 2	15	11-12			M	
MCC49 A/B/C	Photography	10	11-12			M	
MCC50 A/B/C	Powersports and Outdoor Power Equipment Technician	15	11-12			M	
MCC31 A/B/C	Pre-Apprenticeship Plumbing	15	11-12			M	
MCC12 A/B/C	Prototype Design	15	11-12			M	
MCC16 A/B/C	Theatre Technology - Year 1	20	11-12			M	
MCC17 A/B/C	Theatre Technology - Year 2	20	12			M	
MCC40 A/B/C	Web and Mobile App Programming - Year 1	15	11-12			M	
MCC41 A/B/C	Web and Mobile App Programming - Year 2	15	12			M	
MCC25 A/B/C	Welding and Fabrication - Year 1	10	11-12			M	
MCC26 A/B/C	Welding and Fabrication - Year 2	10	12			M	

These academies are located at a Metropolitan Community College campus.

M = Metropolitan Community College

† See course descriptions for additional requirements

METROPOLITAN COMMUNITY COLLEGE (MCC) Academies

These academies are available to all Millard high school students and are located at a Metropolitan Community College campus.

Course descriptions can be found online at the Metropolitan Community College Career Academies website.
<https://www.mccneb.edu/Prospective-Students/Start-Here/Enrollment-FAQ/Secondary-Partnerships/Career-Academy>

MCC Academies for Dual Credit

Students may earn college credit by completing a Metropolitan Community College Academy. Students who meet the following conditions are eligible to participate in an academy:

- Be a high school junior or senior
- Be 16 years old
- Have transportation to and from classes and internship/apprenticeship site
- Complete an application and be selected to participate (See counselor for application)
- Pay MCC tuition -- current tuition is free for the 24-25 school year. Fees and equipment costs are the responsibility of students.

MCC01 3-D ANIMATION AND GAMES

11-12

15 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Elkhorn Valley Campus. Students create models, characters, and imaginative spaces that are the foundation of 3D in games, real-time simulations, and the film industry. These skills also apply to marketing, web design, architecture, and social media. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC02 ADMINISTRATIVE TECHNOLOGY

11-12

15 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center. This program is designed for students wanting to enter employment in a variety of office and administrative support professions. This certificate provides students the core knowledge and skills needed to successfully perform the job duties in today's rapidly changing business world. Students will take the Microsoft Office Specialist (MOS) certification exams for Word, Excel, and PowerPoint. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC06 ADVANCED MANUFACTURING – YEAR 1

11-12

10 Credits

MCC43 ADVANCED MANUFACTURING – YEAR 2

12

10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. In this program, students will learn the basics of working with motors, turbines, boilers, furnaces, advance controls, compressors and more. This program can lead students into a career field that spans many industries, including agriculture, nuclear power, power plants, food and beverage, and wastewater treatment facilities. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC04 ARCHITECTURE TECHNOLOGY

12

15 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. Students learn classical drafting techniques, the art and language of architecture, the design process, how methods and materials shape buildings, the relationship between structural types, space usage and how architecture reflects the culture for which it is built. Students have the opportunity to apply these fundamentals, along with the latest architectural software principles and techniques to hands-on lab projects. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC18 AUTOMOTIVE COLLISION TECHNOLOGY - YEAR 1

11-12

10 Credits

MCC35 AUTOMOTIVE COLLISION TECHNOLOGY - YEAR 2

12

10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Applied Technology Center and participate in a paid internship program. Auto collision focuses on many different areas of car repair, including basic and advanced metal finishing, frame repair and alignment, panel replacement, major body repair and autobody painting. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC19 AUTOMOTIVE TECHNOLOGY	11-12	10 Credits
Description: This two-year program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC South Omaha Campus. Auto technology focuses on the inner workings of a car. In this program, students will learn about engine repair, transmissions, minor car repairs and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for more information.		
MCC45 BUSINESS - YEAR 1	11-12	10 Credits
MCC46 BUSINESS - YEAR 2	12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center Campus (91 st & Giles). Business administration includes all aspects of leading people and managing resources. Within a business, administration spans all operational functions including accounting, finance, marketing, management, human resources, law, etc. Business administrations seeks to accomplish the organizational goals and objectives through the efficient and effective utilization of all resources. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: This program is provided through agreement with Metropolitan Community College. Approved application and interview. Contact your counselor for more information.		
MCC28 CERTIFIED NURSING ASSISTANT (CNA)	11-12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC South Omaha Campus. The Certified Nursing Assistant course (HLTH 1200) at MCC prepares students to become a vital part of the healthcare world as a CNA. CNA's assistant nurses and doctors with basic nursing tasks related to meeting physical needs and activities of daily living. In order to become state-certified, students must take a state-approved program and pass a state-administered competency evaluation. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for more information.		
MCC05 CIVIL ENGINEERING TECHNOLOGY	12	15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. Civil engineering technology is one of the broadest fields in engineering because it is involved with many facets of our infrastructure, including roads, bridges, utilities, buildings and water treatment facilities. This program offers training in high-tech subjects and equipment including Global Positioning System satellite surveying and Computer-Aided Design drafting. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for more information.		
MCC14 CONSTRUCTION TECHNOLOGY - YEAR 1	11-12	15 Credits
MCC15 CONSTRUCTION TECHNOLOGY - YEAR 2	12	15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Construction and Building Science (CNST) program offers students degree and certificate choices in the field of construction. Areas of focus include, concrete/masonry, general, residential, management, remodeling and finish/cabinetry. Students gain practical experience in a lab setting, applying their skills to real-world situations. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for more information.		
MCC22 CRIMINAL JUSTICE	12	15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center Campus. MCC's Criminal Justice Program offers an Associate of Applied Science degree in Criminal Justice with Corrections or Law Enforcement options. The degree prepares students to directly enter the workforce in a career field of their choice (law enforcement, courts, corrections). It also satisfies most of the requirements for transfer to four-year institutions offering a bachelor's degree in criminal justice. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for information.		

MCC39 CULINARY ARTS FOUNDATIONS	11-12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Culinary and Hospitality program at MCC consists of two programs: Culinary Arts & Management and Hospitality & Restaurant Leadership. For those on the Culinary Arts track, students will learn the foundational steps of becoming a professional chef or baker. Hands-on experience takes place in a state-of-the-art, amazing facility, the MCC Institute for the Culinary Arts. Students in the Hospitality and Restaurant Leadership program are prepared to become leaders and managers within the food service industry, or successfully begin their own hospitality business such as event planning. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for information.		
MCC47 DATA SCIENCE	11-12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Data Science Career Certificate is a level I certificate and is designed for the student who wishes to develop a working knowledge of gathering, managing, interpreting and storytelling with data in our modern world. As large collections of complex data become more commonly leveraged as a driving force in business decision-making, careers in data science, reporting and analytics are in demand! This certificate prepares students for entry level work in data analytics and reporting. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for information.		
MCC24 DIESEL TECHNOLOGY - YEAR 1	11-12	10 Credits
MCC36 DIESEL TECHNOLOGY - YEAR 2	12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Applied Technology Center and participate in a paid internship program. Diesel mechanics ensure that everything is working the way it should on diesel engines in trucks, trains, buses and more. In this program, students become experts at compression ignited internal combustion engines and their variations, shop safety, shop operations, brakes, drive trains, suspension, steering, electrical/electronic systems and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for more information.		
MCC27 DIGITAL CINEMA AND FILMMAKING	11-12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Elkhorn Valley Campus. The Video/Audio Communication Arts program (VACA) at MCC teaches the production process for television, films, commercials and other media productions. Students learn to use professional cameras in the field and the studio, as well as recording professional audio, script writing and editing visual and sound using industry standard professional tools and software. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for information.		
MCC07 EARLY CHILDHOOD EDUCATION	12	15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Learning Center. The MCC Early Childhood Education program prepares students to become teacher assistants, childcare workers, social workers and more. Students in this program learn how to support child academically and socially at a young age, best practices for working with children and families and being a positive role model for children. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for more information.		
MCC23 ELECTRICAL TECHNOLOGY - YEAR 1	11-12	15 Credits
MCC37 ELECTRICAL TECHNOLOGY - YEAR 2	12	10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Electrical Technology (ELTR) program provides education and training for students seeking a career in the electrical field. Students entering this program will study electrical systems in residential, commercial wiring and industrial motor controls. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.		
Prerequisites: Approved application and interview. Contact your counselor for information.		

MCC29 EMERGENCY MEDICAL TECHNICIAN (EMT) 12 15 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus. The Paramedicine program at MCC prepares students interested in helping those in need on the front lines. Emergency medical technicians and paramedics are the first responders to medical emergencies. Students in the program learn important criteria for becoming an EMT, including CPR, open water dive and rescue, prehospital trauma life support, critical care and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

MCC32 FIRE SCIENCE TECHNOLOGY - YEAR 1 11-12 10 Credits

MCC33 FIRE SCIENCE TECHNOLOGY - YEAR 2 12 10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Applied Technology Campus. Fire Science Technology students will receive hands-on education about fire safety, fire prevention, first aid, providing public education, utility emergencies and more. They must be physically fit and ready to interact with people in a crisis. Students will gain the knowledge to become an effective and skilled first responder. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

MCC08 HEATING, AIR CONDITIONING, & REFRIGERATION (HVAC) - YEAR 1 11-12 10 Credits

MCC09 HEATING, AIR CONDITIONING, & REFRIGERATION (HVAC) - YEAR 2 12 10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Heating, Air Conditioning and Refrigeration (HVAC) program covers all aspects of installing, troubleshooting and servicing heating, ventilating and air conditioning and refrigeration systems. This program combines class work with realistic hands-on lab experiences to prepare students for career opportunities as repair persons, business owners, wholesalers and in residential sales. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC21 HORTICULTURE, LAND SYSTEMS AND MANAGEMENT - YEAR 1 11-12 10 Credits

MCC38 HORTICULTURE, LAND SYSTEMS AND MANAGEMENT - YEAR 2 12 10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Horticulture, Land Systems and Management program at MCC enhances knowledge of proper plant care, structure and functions while meeting current industry needs and evaluation of environmental impact of choices made. Students will learn the knowledge and skills needed for caring for different plant species, landscaping techniques, greenhouse maintenance and other plant care knowledge for produce, trees and more. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC48 HUMAN SERVICES 11-12 15 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Sarpy Center Campus (91st & Giles). The Human Services program at MCC prepares students for entry-level positions in public and private community agencies and institutions involved with helping others in need. The program prepares students to work with homeless populations, in rehabilitation and treatment facilities, family and children organizations and mental health agencies. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

MCC11 IT TECHNICIAN - CYBER SECURITY - YEAR 1 11-12 15 Credits

MCC44 IT TECHNICIAN - CYBER SECURITY - YEAR 2 12 15 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The certificate's curriculum directly aligns to the following IT industry certifications: CompTIA IT Fundamentals+, CompTIA A+, Microsoft Desktop Associate (MDA), and Cisco Advanced Networking (CCNA). Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

- MCC49 PHOTOGRAPHY** **11-12** 15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Photography program (PHOT) at MCC teaches how to solve photographic problems through the skillful use of camera, lighting, laboratory and electronic techniques. Included are experiences in commercial, general and digital photography. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for information.
- MCC50 POWERSPORTS AND OUTDOOR POWER EQUIPMENT TECHNICIAN** **11-12** 15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC South Omaha Campus. Students will complete courses in basic engine principles, powersports fuel systems, powersports electrical systems, and outdoor power equipment. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for information.
- MCC31 PRE-APPRENTICESHIP PLUMBING** **11-12** 15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Plumbing Apprenticeship program prepares students to become licensed plumbers. All program instructors are licensed journeyman or master plumbers, and courses include lecture and hands-on lab instruction. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for information.
- MCC12 PROTOTYPE DESIGN** **11-12** 15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. The Prototype Design Degree Program is a multidisciplinary associates degree program that builds productivity, collaboration, and innovative technology skills that span across industries. Students receive hands-on, project-based learning with state-of-the-art fabrication technology and often work side-by-side with industry and MCC's Corporate Partners to receive and complete course assignments. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for more information.
- MCC16 THEATRE TECHNOLOGY - YEAR 1** **11-12** 20 Credits
MCC17 THEATRE TECHNOLOGY - YEAR 2 **12** 20 Credits
Description: This program is provided through a collaborative agreement with the Omaha Community Playhouse and Metropolitan Community College. The Theatre program (THEA) at MCC teaches a blend of visual arts, design, music, literature, research, physical expression, technology and business. Theatre studies strengthen interpersonal communication and public presentation skills, develop critical thinking and collaborative skills and offer a solid background in interdisciplinary arts, social awareness and appreciation of diverse cultures. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for more information.
- MCC40 WEB AND MOBILE APP PROGRAMMING – YEAR 1** **11-12** 15 Credits
MCC41 WEB AND MOBILE APP PROGRAMMING – YEAR 2 **12** 15 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the MCC Fort Omaha Campus. These certificates prepare students to successfully manage the World Wide Web environment. Students are provided with a strong technical foundation in developing content for the World Wide Web and any Internet-related support. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for information.
- MCC25 WELDING AND FABRICATION TECHNOLOGY - YEAR 1** **11-12** 10 Credits
MCC26 WELDING AND FABRICATION TECHNOLOGY - YEAR 2 **12** 10 Credits
Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Fort Omaha Campus. For students looking to earn an associate degree with the option of either entering the workforce, or continuing onto a four-year institution. Students will be responsible for transportation, instructional materials, tuition, and fees at MCC.
Prerequisites: Approved application and interview. Contact your counselor for information.

Planning Resources

POST-SECONDARY PLANNING

PERSONAL LEARNING PLANS

Personal Learning Plans (PLPs) help students understand themselves, develop and meet goals, and document their accomplishments. Students use the Personal Learning Plan (PLP) as a guide to prepare for graduation, post-secondary education, and a career. To be best prepared for college and/or careers, students should challenge themselves in the following ways:

1. Take more than the minimum graduation requirements.
2. Take as many core classes as possible. This is the best preparation for the ACT[®]/SAT[®] test and will also enhance your success in college classes.
3. Take a variety of courses from different subject areas. High school is the time to develop interests and try something new.
4. Take the most challenging classes. Colleges and universities look for students who continue to challenge themselves with higher level courses.
5. Take at least one Advanced Placement[®] course.
6. Enroll in dual enrollment credit courses.

To challenge yourself, take the ACT[®] core, Advanced Placement[®], and Dual Enrollment courses while also preparing for a career. Many courses enable students to accomplish all of the above. Details about each of these opportunities are identified below.

ACT[®] SCORES AND CORE CURRICULUM

ACT[®] scores are one of the best predictors of college success. To be well prepared for the ACT[®], take classes ACT[®] considers core curriculum. The ACT[®] core curriculum consists of the following:

English	4 years or more
Mathematics	3 years or more including Algebra I, Geometry, and Algebra II
Social Studies	3 years or more
Natural Sciences	3 years of science including Biology, Chemistry, and Physics

FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA)

To apply for federal student aid, such as federal grants, work-study funds, and loans, students need to complete the *Free Application for Federal Student Aid* (FAFSA[®]) form. Completing and submitting the FAFSA form is free, and it gives students access to the largest source of financial aid to help pay for college or career school.

In addition, many states and colleges use FAFSA information to determine eligibility for state and school aid, and some private financial aid providers may use FAFSA information to determine whether a student qualifies for their aid.

A Millard Public Schools graduation requirement is to submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA).

PERSONAL LEARNING PLAN RUBRIC

As part of the Millard Public Schools Graduation Requirements, each student must complete the following parts of his/her Personal Learning Plan (PLP). Student progress will be monitored by a school representative, such as an advisor, counselor, assistant principal, or principal.

The following table identifies tasks to be accomplished at each grade level.

PLP Tasks	Description	9th Grade	10th Grade	11th Grade	12th Grade
S.M.A.R.T. Goals	Specific, Measurable, Attainable, Results-Oriented, Timebound	X	X	X	X
Resumé	Record of accomplishments and activities, updated when changes occur	X	X	X	X
Four Year Course Plan	Tool to determine sequence of courses to assist in college and career preparation through rigorous high school courses	X	X	X	X
Service Learning Record Reflection	Students will complete their service learning requirements and document their experience	X	X	X	X
Career Interest Profiler	Inventory to identify personal career preferences	X			
Achieveworks Learning and Productivity	Inventory to identify personal learning style preferences	X			
Achieveworks Personality	Inventory to identify personality traits		X		
Pre-ACT™	Academic assessment to identify areas of academic need and serves as a predictor of performance on the ACT®		X		
Game Plan Survey	Students will use this tool to develop a game plan for achieving their goals after graduation				X
Counselor Interview	Individual interview to confirm post- secondary plans				X
Millard Senior Survey	Survey to understand the students' transition to high school including academics, support, and extracurricular activities				X
Graduation Survey	Survey with questions about students' high school experience				X
8 th - 9 th Transition	Survey updating future plans for college and career including college scholarship information	X			

- At least one month prior to graduation, the Senior PLP must be completed.
- Transfer students are expected to complete a Personal Learning Plan, with the understanding that the principal (or designee) may waive grade-level requirements that occurred before the student arrived in MPS.

MPS DIPLOMA PATHS OVERVIEW

CLASSES OF 2025 and 2026

A world-class school district facilitates student goal-setting. Each high school student in the Millard Public Schools will choose a diploma path to pursue during his or her high school years. In addition to the **Regular Diploma**, students may choose from two other diploma paths.

One diploma path, the **Liberal Arts** path, specifically addresses the needs of students who plan to earn a baccalaureate degree after graduation. The second diploma path, the **Specialty** path, focuses on the needs of students who plan to specialize in a particular career field. In the Specialty areas, students must complete an approved sequence of study in a career field. Both paths include incentive categories by which students can achieve a more rigorous diploma by taking more classes and achieving a higher GPA. These incentive categories are labeled "Commended" and "Distinguished". The minimum requirements for the diploma paths and categories are outlined below.

Criteria	Regular	Liberal Arts Commended	Liberal Arts Distinguished	Specialty Commended	Specialty Distinguished
English	35	40	40*	35	35
Mathematics	30	40	40*	30	30
Social Studies	30	30	30*	30	30
Science	30	35	35*	30	30
World Language		20	20*		
Additional Core Credits			40 from any asterisked areas		
Physical Education	15	15	15	15	15
Healthy Living	5	5	5	5	5
Arts	5	5	5	5	5
Human Resources	5	5	5	5	5
Oral Communications	5	5	5	5	5
Financial Literacy	5	5	5	5	5
Required Electives	65	35	5	45	35
Specialty Area				30	50
AP/IB DP Credits (included in total credits)		(20) from any area	(40) from any area		
Total Credits	230	240	250	240	250
GPA		3.0 Overall	3.5 Overall	3.0 in Specialty Area; 2.0 Overall	3.5 in Specialty Area; 2.5 Overall

The Specialty Diploma Path Career Field areas include: **Business, Marketing, and Management** (Business Management & Administration, Finance and Marketing); **Communication and Information Systems** (Business Technology, Computer Science, Digital Design, Journalism, Vocal Music, Instrumental Music, Drama, Oral Communications, Visual Arts); **Health Sciences** (Therapeutic Services and Diagnostic & Research Services); **Human Sciences and Education** (Human Sciences, Education & Training, and Law, Public Safety & Security); and **Skilled and Technical Sciences** (Construction; Business & Logistics; Engineering; Manufacturing; Electrical Technology; Diesel Technology; Automotive Technology; Fire Science Technology; Plumbing).

These diploma paths function as one tool to help students set goals challenging themselves to reach their full potential. It supports the philosophy that the path to graduation begins much earlier than senior year. Determining one's diploma path will begin through completion of the Personal Learning Plan.

To learn which diploma paths are offered at each high school, refer to each school's website.

Courses offered are subject to availability.

MPS DIPLOMA PATHS OVERVIEW

CLASS OF 2027

*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

A world-class school district facilitates student goal-setting. Each high school student in the Millard Public Schools will choose a diploma path to pursue during his or her high school years. In addition to the **Regular Diploma**, students may choose from two other diploma paths.

One diploma path, the **Liberal Arts** path, specifically addresses the needs of students who plan to earn a baccalaureate degree after graduation. The second diploma path, the **Specialty** path, focuses on the needs of students who plan to specialize in a particular career field. In the Specialty areas, students must complete an approved sequence of study in a career field. Both paths include incentive categories by which students can achieve a more rigorous diploma by taking more classes and achieving a higher GPA. These incentive categories are labeled "Commended" and "Distinguished". The minimum requirements for the diploma paths and categories are outlined below.

Criteria	Regular	Liberal Arts Commended	Liberal Arts Distinguished	Specialty Commended	Specialty Distinguished
English	35	40	40*	35	35
Mathematics	30	40	40*	30	30
Social Studies	30	30	30*	30	30
Science	30	35	35*	30	30
World Language		20	20*		
Additional Core Credits			40 from any asterisked areas		
Physical Education	15	15	15	15	15
Healthy Living	5	5	5	5	5
Arts	5	5	5	5	5
Human Resources	5	5	5	5	5
Oral Communications	5	5	5	5	5
Financial Literacy	5	5	5	5	5
Technology Education	5	5	5	5	5
Required Electives	60	35	5	45	35
Specialty Area				30	50
AP/IB DP Credits (included in total credits)		(20) from any area	(40) from any area		
Total Credits	230	240	250	240	250
GPA		3.0 Overall	3.5 Overall	3.0 in Specialty Area; 2.0 Overall	3.5 in Specialty Area; 2.5 Overall

The Specialty Diploma Path Career Field areas include: **Business, Marketing, and Management** (Business Management & Administration, Finance and Marketing); **Communication and Information Systems** (Business Technology, Computer Science, Digital Design, Journalism, Vocal Music, Instrumental Music, Drama, Oral Communications, Visual Arts); **Health Sciences** (Therapeutic Services and Diagnostic & Research Services); **Human Sciences and Education** (Human Sciences, Education & Training, and Law, Public Safety & Security); and **Skilled and Technical Sciences** (Construction; Business & Logistics; Engineering; Manufacturing; Electrical Technology; Diesel Technology; Automotive Technology; Fire Science Technology; Plumbing).

These diploma paths function as one tool to help students set goals challenging themselves to reach their full potential. It supports the philosophy that the path to graduation begins much earlier than senior year. Determining one's diploma path will begin through completion of the Personal Learning Plan.

To learn which diploma paths are offered at each high school, refer to each school's website.
Courses offered are subject to availability.

SPECIALTY DIPLOMA PATH

***MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027**

The Specialty Diploma Path is for students who plan to specialize in the following career fields:

Business, Marketing, and Management
Communication and Information Systems: Arts, AV Technology, and Communication
Health Sciences
Human Sciences and Education
Skilled and Technical Sciences

All students must meet the requirements for a regular diploma. The Specialty Diploma recognizes accomplishments over and above the minimum requirements for a regular diploma.

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the focus areas in the career field. A Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the focus areas in the career field. A Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Please refer to the curriculum handbook for course descriptions and an explanation of Metropolitan Community College academies.

Courses offered are subject to availability.

BUSINESS, MARKETING, AND MANAGEMENT SPECIALTY DIPLOMA

*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If Personal Finance is taken to fulfill the Financial Literacy graduation requirement, it may be part of the sequence of courses, but is not included in the 30 credits.

- Millard Public Schools Business and Entrepreneurship Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). Millard Public Schools Business and Entrepreneurship Career Academy fulfills the sequence requirement.

BUSINESS MANAGEMENT AND ADMINISTRATION PATHWAY	FINANCE PATHWAY	MARKETING PATHWAY
Introduction to Business (5) Entrepreneurship (5) Management and Leadership (5) Business Law and Ethics (5) IB Business Management SL/HL I (10) IB Business Management HL II (10) Millard Public Schools Business and Entrepreneurship Career Academy Business Management Work-Based Learning Experience (5/semester)	Accounting I (5) Accounting II (5) Accounting III (5) AP Macroeconomics (5) AP Microeconomics (5) Managerial Accounting (5) Finance Work-Based Learning Experience (5/semester)	Applied Marketing (10) Digital Marketing (5) Entertainment and Sports Marketing (5) Marketing (10) Marketing Work-Based Learning Experience (5/semester)

Courses offered are subject to availability.

COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

In order to graduate, all students must take a fine and performing arts course.
The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 30 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 50 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

ARTS, A/V TECHNOLOGY, AND COMMUNICATION

JOURNALISM

Intro to Journalism, Photojournalism, and Broadcast Journalism (5)
 Advanced Journalism (10) (repeatable)
 Yearbook (10) (repeatable)
 Broadcast Journalism (5) (repeatable)

**Courses taken must exceed the English Elective and Oral Communications graduation requirements.*

To complete the requirement for 30 or 50 credits students may take any of the courses above or the following:

Creative Writing (5)*
 Forensics: Competitive Speech (10)*
 Media Analysis (5)*

PERFORMING ARTS

Vocal Music	Instrumental Music	Drama
Concert Choir, Chorale, Singers - 4 semesters Distinguished Diploma: Introduction to Music Theory (5) AP Music Theory (5), Music Exploration (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits Or AP Music Theory (5) IB Music SL (10) and Music Exploration (5) Digital Music Production/Songwriting (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits	ANY Instrumental Ensemble – 6 semesters, (30) Distinguished Diploma: Introduction to Music Theory (5) AP Music Theory (5), Music Exploration (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits Or AP Music Theory (5) IB Music SL (10) Music Exploration (5) Digital Music Production/Songwriting (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits	Theatre and Performance I (5) Theatre and Performance: Advanced Studies (5) Theatre Technology (5) Or IB Film (10) Or MCC Theatre Technology Year I Academy To complete the requirement for 30 or 50 credits students may take any of the courses above or the following: Theatre Appreciation (5) Forensics: Competitive Speech (10) MCC Theatre Technology Year II Academy

Courses offered are subject to availability.

COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

**MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027*

In order to graduate, all students must take a fine and performing arts course.

The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 30 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 50 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

ARTS, A/V TECHNOLOGY, AND COMMUNICATION																	
ORAL COMMUNICATIONS																	
Speech (5) Forensics: Competitive Speech (repeatable) Debate (5) Competitive Debate (repeatable)																	
<i>*Courses taken must exceed the Oral Communications graduation requirement.</i>																	
VISUAL ART																	
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Intro to 2D Art (5) Drawing (5) Advanced 2D Art (5) </td> <td style="width: 5%; border: none; text-align: center;">Or</td> <td style="width: 45%; border: none;"> To complete the requirement for 30 or 50 credits students may take any of the courses above not already taken or any of the following: </td> </tr> <tr> <td style="border: none;"> Intro to 2D Art (5) Painting (5) Advanced 2D Art (5) </td> <td style="border: none; text-align: center;">Or</td> <td style="border: none;"> Intro to 2D Art (5) Intro to 3D Art (5) Drawing (5) Painting (5) </td> </tr> <tr> <td style="border: none;"> Intro to 2D Art (5) Digital and Graphic Arts (5) Advanced 2D Art (5) </td> <td style="border: none; text-align: center;">Or</td> <td style="border: none;"> Art History: Art Through the Ages (5) Digital and Graphic Arts (5) Advanced 2D Art (5) </td> </tr> <tr> <td style="border: none;"> Intro to 3D Art (5) Pottery and Sculpture (5) Advanced Pottery and Sculpture (5) </td> <td style="border: none; text-align: center;">Or</td> <td style="border: none;"> Pottery and Sculpture (5) Advanced Pottery and Sculpture (5) AP Drawing (10) </td> </tr> <tr> <td style="border: none;"> Intro to 2D Art (5) Introduction to IB Visual Arts (10) IB Visual Arts SL (10) </td> <td style="border: none; text-align: center;">Or</td> <td style="border: none;"> IB Visual Arts HL II (10) IB Visual Arts HL I (10) </td> </tr> </table>			Intro to 2D Art (5) Drawing (5) Advanced 2D Art (5)	Or	To complete the requirement for 30 or 50 credits students may take any of the courses above not already taken or any of the following:	Intro to 2D Art (5) Painting (5) Advanced 2D Art (5)	Or	Intro to 2D Art (5) Intro to 3D Art (5) Drawing (5) Painting (5)	Intro to 2D Art (5) Digital and Graphic Arts (5) Advanced 2D Art (5)	Or	Art History: Art Through the Ages (5) Digital and Graphic Arts (5) Advanced 2D Art (5)	Intro to 3D Art (5) Pottery and Sculpture (5) Advanced Pottery and Sculpture (5)	Or	Pottery and Sculpture (5) Advanced Pottery and Sculpture (5) AP Drawing (10)	Intro to 2D Art (5) Introduction to IB Visual Arts (10) IB Visual Arts SL (10)	Or	IB Visual Arts HL II (10) IB Visual Arts HL I (10)
Intro to 2D Art (5) Drawing (5) Advanced 2D Art (5)	Or	To complete the requirement for 30 or 50 credits students may take any of the courses above not already taken or any of the following:															
Intro to 2D Art (5) Painting (5) Advanced 2D Art (5)	Or	Intro to 2D Art (5) Intro to 3D Art (5) Drawing (5) Painting (5)															
Intro to 2D Art (5) Digital and Graphic Arts (5) Advanced 2D Art (5)	Or	Art History: Art Through the Ages (5) Digital and Graphic Arts (5) Advanced 2D Art (5)															
Intro to 3D Art (5) Pottery and Sculpture (5) Advanced Pottery and Sculpture (5)	Or	Pottery and Sculpture (5) Advanced Pottery and Sculpture (5) AP Drawing (10)															
Intro to 2D Art (5) Introduction to IB Visual Arts (10) IB Visual Arts SL (10)	Or	IB Visual Arts HL II (10) IB Visual Arts HL I (10)															
COMMUNICATION AND INFORMATION SYSTEMS																	
BUSINESS TECHNOLOGY	COMPUTER SCIENCE	DIGITAL DESIGN															
Business Technologies (5)* Emerging Technologies (5)* To complete the requirement for 30 or 50 credits students may take any of the courses in the Communication and Information Systems pathways.	Computer Science Programming (5)* AP Computer Science A (10) AP Computer Science Principles (10)* Cybersecurity (5) IB Computer Science HL I (10) IB Computer Science HL II (10)	Digital Media (5)* Advanced Digital Media (5) Digital Production (5)															
<i>*If course is taken to fulfill the Technology Education graduation requirement, it may be part of the sequence of courses, but is <u>not</u> included in the 30 credits.</i>																	

Courses offered are subject to availability.

HEALTH SCIENCES SPECIALTY DIPLOMA

*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

This diploma path is unique because it includes courses from multiple departments.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in the pathway. (See chart below). The Distinguished Diploma path is available for the Therapeutic Services Pathway.

- The Millard Public Schools Health Sciences Career Academy fulfills the sequence requirement.
- The UNMC High School Alliance fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete the Millard Public Schools Health Sciences Academy or University of Nebraska Medical Center (UNMC) High School Alliance.

- The Millard Public Schools Health Sciences Career Academy fulfills the sequence requirement.
- The UNMC High School Alliance fulfills the sequence requirement.

THERAPEUTIC SERVICES	DIAGNOSTIC & RESEARCH SERVICES
Human Physiology (10) Athletic Training & Sports Injury (5) Athletic Training & Sports Injury Internship (10) To complete the requirement for 30 credits, students may take any of the courses below if not already taken: Advanced Performance (5) Cross Training I (5) Cross Training II (5) Lifetime Fitness (5) Lifeguard Training (5)	Millard Public Schools Health Sciences Career Academy UNMC High School Alliance-Completion of 40 Credits

Courses offered are subject to availability.

HUMAN SCIENCES AND EDUCATION SPECIALTY DIPLOMA

*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

In order to graduate, all students must take a human resources course.
The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If either Child Development or Adult Life and Parenting (Adult Living) is taken to fulfill the human resources graduation requirement, it may not be included in the 30 credits.

- The Millard Public Schools Education Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). If either Child Development or Adult Life and Parenting (Adult Living) is taken to fulfill the human resources graduation requirement, it may not be included in the 50 credits.

- The Millard Public Schools Education Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Criminal Justice Academy fulfills the sequence requirement.

HUMAN SCIENCES		
Foods & Nutrition	Housing & Textile Design	Human Development & Family
Introduction to Food & Nutrition (5) Culinary Skills (5) Advanced Culinary Skills (5)	Interior Design (5) Textile & Clothing Design (5) Creative Design (5)	Child Development (5) Adult Life and Parenting (5)
To complete the requirement for 30 or 50 credits, students may take any of the courses above not previously completed.		
EDUCATION & TRAINING		LAW, PUBLIC SAFETY & SECURITY
Millard Public Schools Education Career Academy		MCC Criminal Justice Academy

The following courses may be completed to earn 30 or 50 credits if not taken for the human resources graduation requirement:

- Child Development (5)
- Adult Life and Parenting (Adult Living) (5)

To earn a distinguished diploma, the student will need to complete all courses listed above.

Courses offered are subject to availability.

SKILLED AND TECHNICAL SCIENCES SPECIALTY DIPLOMA

*MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the technology graduation requirement may not be included in the 30 credits.

- The Millard Public Schools Business and Logistics Management Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the technology graduation requirement may not be included in the 30 credits.

- The Millard Public Schools Business and Logistics Management Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Construction Technology Academy fulfills the sequence requirement.

CONSTRUCTION PATHWAY	ENGINEERING PATHWAY	
Introduction to Carpentry (5) Carpentry (5) Advanced Carpentry (5) STEM Design and Development (10) Or Home Maintenance (5) Construction Systems (5) Construction and Management (5) STEM Design & Development (10)	Introduction to Engineering (5)* Engineering and Design A (5) Engineering and Design B (5) STEM Design and Development (10)	Introduction to Engineering (5)* Civil Engineering and Architecture A (5) Civil Engineering & Architecture B (5) STEM Design and Development (10)
	Introduction to Engineering (5)* Robotics A (5) Robotics B (5) STEM Design and Development (10)	
BUSINESS & LOGISTICS MANAGEMENT	MANUFACTURING PATHWAY	
Millard Public Schools Business and Logistics Management Career Academy	Introduction to Metalworking (5) Welding I (5) Welding II (5) STEM Design and Development (10) Or MCC Welding & Fabrication Academy	Introduction to Metalworking (5) Precision Machining A (5) Precision Machining B (5) Computer Integrated Machining (5) Or Advanced Precision Machining (5) STEM Design and Development (10)
*If course is taken to fulfill the Technology Education graduation requirement, it may be part of the sequence of courses, but is <u>not</u> included in the 30 credits.		

Courses offered are subject to availability.

**SKILLED AND TECHNICAL SCIENCES
SPECIALTY DIPLOMA**

***MPS DIPLOMA PATHS WILL END WITH THE CLASS OF 2027**

These Metropolitan Community College (MCC) Academies fulfill the sequence requirement for the Distinguished Diploma Paths:

Automotive Technology	Diesel Technology
MCC Automotive Technology Academy MCC Automotive Collision Technology Academy	MCC Diesel Technology Academy
Electrical Technology	Fire Science Technology
MCC Electrical Technology Academy	MCC Fire Science Technology Academy
Plumbing	
MCC Pre-Apprenticeship Plumbing Academy	

Courses offered are subject to availability.

DUAL ENROLLMENT OPPORTUNITIES

University of Nebraska at Omaha

Students have the option to enroll for college credit while taking high school courses. The number of college credits is determined by the corresponding college course. The grade earned appears on both the high school and UNO transcripts. This credit may be transferable to other colleges and universities. Students are urged to check with the college they plan to attend regarding their transfer policies. Selected Advanced Placement® courses, Academy courses, and Athletic Training & Sports Injury Internship are available for dual credit. Please contact an administrator at the building for more information.

Students are required to take the Advanced Placement® exam if earning dual enrollment in an Advanced Placement® course. Tuition costs are determined by the institution. This rate is subject to change by University of Nebraska at Omaha.

Metropolitan Community College

Students have the option to earn dual enrollment credit while taking specific high school or Metropolitan Community College (MCC) courses. The number of credits is determined by the corresponding college course. The grade earned appears on both the high school and MCC transcripts. This credit may transfer to other colleges and universities. Students are urged to check with the college they plan to attend regarding transfer policies.

Tuition costs are determined by the institution.

COLLEGE ATHLETICS ELIGIBILITY

Students who wish to compete as freshmen on college athletic teams after completion of high school must meet established eligibility guidelines from the National Collegiate Athletic Association (NCAA), the National Association of Intercollegiate Athletics (NAIA), or the National Junior College Athletic Association (NJCAA). Information concerning eligibility for each of these organizations can be found on the following websites:

NCAA: <http://eligibilitycenter.org>
NAIA: www.naia.org
NJCAA: www.njcaa.org

NCAA

Student athletes who wish to participate in NCAA Division I or Division II sports **MUST BE CERTIFIED** by the NCAA Eligibility Center which will analyze individual academic information to determine if a student meets NCAA eligibility requirements. **DON'T DELAY THIS PROCESS** – if a student is uncertain about participation in Division I or II it is best to complete this process anyway. This process does **NOT** bind a student to participate; however, it is a necessary procedure should a student elect to participate. Failure to be certified may affect visitations to colleges regarding athletics, and college coaches may be reluctant to make commitments to athletes who have not completed the NCAA initial-eligibility certification.

Students are encouraged to visit with a counselor to review the policies which will affect them. Athletes or their parents are encouraged to obtain additional references pertaining to student athletes. The best single reference is *2022-2023 NCAA Guide for the College Bound Student Athlete* published by the NCAA Eligibility Center, PO Box 7136, Indianapolis, Indiana, 46207-7136. The toll-free phone number is (877) 262-1492; Monday through Friday from 8 a.m. to 6 p.m. Eastern time. This document is also available on-line at www.ncaa.org.

NCAA Freshman-Eligibility Standards Quick Reference Information

The list of Millard courses approved by NCAA can be found on the NCAA website and should be utilized when completing your 4-year plan.

Core Courses

- NCAA Division I requires **16 core courses**. NCAA Division I requires 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, mathematics or natural or physical science that meet the distribution requirement). These 10 courses become “locked in” at the seventh semester and cannot be retaken for grade improvement. See the chart on the next page for the breakdown of the complete 16 core-course requirement.
- Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.
- NCAA Division II requires **16 core courses** for students enrolling on or after August 1, 2013.
- Beginning August 1, 2016, it will be possible for a Division II college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.

Test Scores

- In January 2023, NCAA Divisions I and II adopted legislation to remove standardized test scores from initial-eligibility requirements for **all** student-athletes who initially enroll full time on or after August 1, 2023. Check with the NCAA school you plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements.

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the Eligibility Center's web site to make certain that courses being taken have been approved as core courses. The website is www.eligibilitycenter.org.
- **Division I** grade-point-average requirements are based on an index that matches the combined SAT[®] or ACT[®] sum score to the core grade point average. The index scale is available through the Counseling or Activities Office or the NCAA website. Division I GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.3 (corresponding test-score requirements are listed on the index scale).
- The **Division II** core grade-point-average requirement is a minimum of 2.2.

Division I 16 Core Courses	
4	years of English
3	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered by high school)
1	year of additional English, mathematics, or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language, or comparative religion/philosophy)
<i>Note: Courses with similar content may be deemed duplicative by the NCAA Eligibility Center.</i>	

Division II 16 Core Courses	
3	years of English
2	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered by high school)
3	years of additional English, mathematics, or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language, or comparative religion/philosophy)

Amateurism Certification

Students who enroll at an NCAA Division I or II institution for the first time need to also complete the amateurism questionnaire through the Eligibility Center website. Students need to request final amateurism certification prior to enrollment.

Division III

Student athletes who wish to participate in NCAA Division III are not currently certified by the NCAA Initial-Eligibility Clearinghouse. Those wanting to participate in Division III athletics should contact the Division III institutions of interest regarding their policies on admission, financial aid, athletic eligibility, practice, and competition. In Division III, certification of an individual's amateurism status is completed by each college or university, not the Eligibility Center.

NAIA

The National Association of Intercollegiate Athletics requires a participant in athletics during the first year in school to meet two of three basic education requirements.

- Achieve a minimum of 18 on the ACT[®] or 970 on the SAT[®]. The ACT[®]/SAT[®] test must be taken on a national testing date.
- Achieve a minimum overall high school grade point average of 2.000 on a 4.000 scale.
- Graduate in the top half of his/her high school graduating class.

NJCAA

For updated information on National Junior College Athletic Association requirements visit njcaa.org.

QUICK REFERENCE TABLE OF ALL MILLARD COURSES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
ART										
0701	Art History: Art Through the Ages	5		F				*	*	*
0703	Intro to 3D Art	5		F			*	*	*	*
0707	Intro to 2D Art	5		F			*	*	*	*
0709	Digital and Graphic Arts	5			0707			*	*	*
0710	Pottery and Sculpture	5			0703 or 0705		*	*	*	*
0711	Advanced Pottery and Sculpture	5			0710		*	*	*	*
0720	Drawing	5			0705 or 0707		*	*	*	*
0722	Painting	5			0707 or 0720			*	*	*
0723	Advanced 2D Art	5			0709, 0720, or 0722		*	*	*	*
0724 A/B	AP Drawing	10	11-12		0723			*	*	*
0727 A/B	IB Visual Arts SL	10	11-12		0720, 0722, 0709			*	*	*
0728 A/B	IB Visual Arts HL I	10	11		0720, 0722, 0709			*	*	*
0729 A/B	IB Visual Arts HL II	10	12		0728			*	*	*
BUSINESS, MARKETING, AND MANAGEMENT										
Business Management and Administration Pathway										
0505	Introduction to Business	5						*	*	*
0510	Business Law and Ethics	5						*	*	*
0515	Management and Leadership	5	11-12					*	*	*
0538	Entrepreneurship	5					*	*	*	*
0554 A/B	IB Business Management SL/HL I	10	11					*	*	*
0555 A/B	IB Business Management HL II	10	12		0554			*	*	*
Finance Pathway										
0500	Personal Finance	5	10-12	FL			*	*	*	*
0502	Accounting I	5						*	*	*
0503	Accounting II	5			0502			*	*	*
0540	AP Macroeconomics	5			+			*	*	*
0541	AP Microeconomics	5			+			*	*	*
0542	Accounting III	5			0503			*	*	*
0543	Managerial Accounting	5			0542			*	*	*
Marketing Pathway										
0551	Entertainment and Sports Marketing	5					*	*	*	*
0552 A/B	Marketing	10	10-12					*	*	*
0553 A/B	Applied Marketing	10	11-12		0552 or A1D20 or			*	*	*
V0553 A/B	Applied Marketing	10	11-12		0552 or A1D20 or			*	*	*
0556	Digital Marketing	5			0552 or A1D20 or			*	*	*
Work-Based Learning Experiences										
0557	Business Management Work-Based Learning Experience	5	11-12		+			*	*	*
0558	Finance Work-Based Learning Experience	5	11-12		+			*	*	*
0559	Marketing Work-Based Learning Experience	5	11-12		+			*	*	*
COMMUNICATION AND INFORMATION SYSTEMS										
Business Technology Pathway										
0566	Business Technologies	5		T			*	*	*	*
0567	Emerging Technologies	5		T				*	*	*
Computer Science Pathway										
0266 A/B	IB Computer Science HL I	10	11		0569†			*	*	*
0267 A/B	IB Computer Science HL II	10	12		0266			*	*	*
0569	Computer Science Programming	5		T				*	*	*
0565 A/B	AP Computer Science Principles	10		T				*	*	*
0257 A/B	AP Computer Science A	10			0565, or 0569			*	*	*
0573	Cybersecurity	5			0565, or 0569			*	*	*
Digital Design Pathway										
0570	Digital Media	5		T				*	*	*
0568	Digital Production	5			0566, 0567, or			*	*	*
0574	Advanced Digital Media	5			0570			*	*	*

F = Fulfills Fine and Performing Arts Graduation Requirement
 FL = Fulfills Financial Literacy Graduation Requirement

T = Fulfills Technology Education Graduation Requirement
 † = See course descriptions for additional requirements

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
ENGLISH LANGUAGE ARTS										
0001 A/B	English 9	10				*	*	*	*	*
0059 A/B	English 9 Literacy Enrichment	10/10			†	*	*	*	*	*
0003 A/B	Honors English 9	10				*	*	*	*	*
0002 A/B	English 10	10			0001 or 0059	*	*	*	*	*
0060 A/B	English 10 Literacy Enrichment	10/10			†	*	*	*	*	*
0004 A/B	Honors English 10	10			0003	*	*	*	*	*
0007 A/B	English 11	10			0002 or 0060	*	*	*	*	*
0061 A/B	Literacy Enrichment 11	10			†	*	*	*	*	*
0047 A/B	AP English Language and Composition	10			0004 or 0007	*	*	*	*	*
0048 A/B	AP English Literature and Composition	10			0004 or 0007	*	*	*	*	*
0016 A/B	IB English: Literature HL I	10	11		0004	*	*	*	*	*
0017 A/B	IB English: Literature HL II	10	12		0016	*	*	*	*	*
English Electives										
0033	Creative Writing	5			0004 or 0007	*	*	*	*	*
0035	College Writing	5			0004 or 0007	*	*	*	*	*
V0035	College Writing	5			0004 or 0007	*	*	*	*	*
0062	Literacy for Life	5			0007 or 0061	*	*	*	*	*
0065	Literature and Film	5			0004 or 0007	*	*	*	*	*
0067	Global Perspectives Through Literature	5			0004, 0007, or 0061	*	*	*	*	*
0068	Contemporary Literature	5			0004, 0007, or 0061	*	*	*	*	*
0069	Media Analysis	5			0004 or 0007	*	*	*	*	*
0076	Popular Genres in Literature	5			0004, 0007, or 0061	*	*	*	*	*
Oral Communications										
0020	Speech	5		OC		*	*	*	*	*
0021 A/B	Forensics: Competitive Speech	10		OC		*	*	*	*	*
0022	Debate	5		OC		*	*	*	*	*
0023 A/B	Competitive Debate	10		OC		*	*	*	*	*
Drama										
0024	Theatre and Performance I	5		F		*	*	*	*	*
0025	Theatre and Performance: Advanced Studies	5			0024	*	*	*	*	*
0026	Theatre Technology	5			0024 or 0039	*	*	*	*	*
0039	Theatre Appreciation	5		F		*	*	*	*	*
Journalism										
0064	Introduction to Journalism, Photojournalism, and Broadcast	5				*	*	*	*	*
0066 A/B	Advanced Journalism	10			0064+	*	*	*	*	*
0013 A/B	Yearbook	10			0064+	*	*	*	*	*
0077	Broadcast Journalism	5			0064	*	*	*	*	*
0073 A/B	IB Film SL	10	11-12			*	*	*	*	*
0074 A/B	IB Film HL I	10	11			*	*	*	*	*
0075 A/B	IB Film HL II	10	12		0074	*	*	*	*	*
ENGLISH LEARNER										
Beginning English Learner										
EL01 A/B	EL Beginning Reading	10			†				*	*
EL02 A/B	EL Beginning Writing	10			†				*	*
EL03 A/B	EL Beginning Communication	10			†				*	*
Emerging English Learner										
EL04 A/B	EL Emerging Reading	10			†				*	*
EL05 A/B	EL Emerging Writing	10			†				*	*
EL06 A/B	EL Emerging Communication	10			†				*	*
Progressing English Learner										
EL07 A/B	EL Progressing Literacy	10			†				*	*
EL08 A/B	EL Progressing Communication	10			†				*	*
Advanced English Learner										
EL09 A/B	EL Advanced Literacy and Communication I	10			†				*	*
EL10 A/B	EL Advanced Literacy and Communication II	10			†				*	*
Other English Language Development Courses										
EL11	ELD Computer Literacy	5		T					*	*
EL12	ELD Health	5		H					*	*
EL14	ELD Mathematics	5							*	*
EL15	ELD Financial Literacy	5		FL					*	*
EL16	ELD Adult Living	5		HR					*	*

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H = Fulfills Health Education Graduation Requirement
OC = Fulfills Oral Communications Graduation Requirement
† = See course descriptions for additional requirements

FL = Fulfills Financial Literacy Graduation Requirement
HR = Fulfills Human Resources Graduation Requirement
T = Fulfills Technology Educ. Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
FAMILY AND CONSUMER SCIENCES										
Food and Nutrition Pathway										
0534	Introduction to Food and Nutrition	5						*	*	*
0525	Culinary Skills	5			0534			*	*	*
0535	Advanced Culinary Skills	5			0525			*	*	*
Housing and Textile Design Pathway										
0520	Interior Design	5						*	*	*
0536	Textiles and Clothing Design	5						*	*	*
0537	Creative Design	5			0520 or 0536			*	*	*
Human Development and Family Pathway										
0527	Child Development	5		HR			*	*	*	*
0528	Adult Life and Parenting	5		HR			*	*	*	*
Stand-Alone Course										
0526	Healthy Living	5	9-11	H			*	*	*	*
MATHEMATICS										
MA02	Algebra 1 Enrichment	5			†			*	*	*
MA04	Algebra 2 Enrichment	5			†			*	*	*
MA06	Algebra 3 Enrichment	5			†			*	*	*
MA08	Foundations Algebra 1	5			†	*	*	*	*	*
MA10	Algebra 1	5				*	*	*	*	*
MA12	Foundations Geometry 1	5			†	*	*	*	*	*
MA14	Geometry 1	5			211	*	*	*	*	*
MA16	Foundations Algebra 2	5			MA08†	*	*	*	*	*
MA18	Algebra 2	5			MA08 or MA10	*	*	*	*	*
MA20	Honors Algebra 2	5			MA10	*	*	*	*	*
MA22	Foundations Geometry 2	5			MA12†	*	*	*	*	*
MA24	Geometry 2	5			0211, MA12, or	*	*	*	*	*
MA26	Honors Geometry 2	5			0211 or MA14	*	*	*	*	*
MA28	Foundations Algebra 3	5			MA16†	*	*	*	*	*
MA30	Algebra 3	5			MA16, MA18, or	*	*	*	*	*
MA32	Honors Algebra 3	5			0220, 0221,	*	*	*	*	*
MA34	Foundations Algebra 4: Probability & Statistics	5			MA16†	*	*	*	*	*
MA36	Algebra 4: Probability & Statistics	5			0220, 0221,	*	*	*	*	*
MA38	Trigonometry	5			0231 or 0233†			*	*	*
MA40	Discrete Math	5			OR			*	*	*
MA42	Sports Math & Game Theory	5			MA28 and MA 34			*	*	*
MA44	Math in the Arts	5			OR			*	*	*
MA46	Math for Life	5			MA30 or MA32†			*	*	*
MA48	Skilled and Technical Math	5			and MA36			*	*	*
MA50 A/B	Modular Mathematics	10	12		†			*	*	*
MA52 A/B	College Algebra	10			0231 or 0233† MA30 or MA32†	*	*	*	*	*
VMA53 A/B	College Algebra	10			0231 or 0233†	*	*	*	*	*
MA54 A/B	AP Precalculus	10			0231 or 0233†	*	*	*	*	*
MA56 A/B	AP Statistics	10			0231 or 0233†	*	*	*	*	*
MA58 A/B	AP Calculus AB	10			0238, 0239†, or	*	*	*	*	*
MA60 A/B	AP Calculus BC	10			0239† or MA54	*	*	*	*	*
MA62 A/B	Calculus II and Advanced Topics	10			0252 or MA58	*	*	*	*	*
MA64 A/B	Calculus III/Differential Equations*	10			0253 or MA60	*	*	*	*	*
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0238, 0239†, or			*	*	*
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268 or MA66			*	*	*
MA70 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0238, 0239†, or			*	*	*
MA72 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270 or MA70			*	*	*
MA74 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231, 0233†, 0238,			*	*	*

C = Fulfills Chemistry Graduation Requirement

PE = Fulfills Physical Education Graduation Requirement

† = See course descriptions for additional requirements

P = Fulfills Physics Graduation Requirement

T = Fulfills Technology Educ. Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
MUSIC										
0731	Marching Band Exhibition/Fall Ensembles	5		F	+			*	*	*
0732	Marching Band Competitive/Fall Ensembles	5		F	+			*	*	*
0733	Concert Band	5		F	+			*	*	*
0734	Symphonic Band	5		F	+			*	*	*
0735	Wind Ensemble	5		F	+			*	*	*
0736 A/B	Philharmonic Orchestra	10		F	+			*	*	*
0737 A/B	Symphony Orchestra	10			0736+			*	*	*
0739 A/B	Chamber Orchestra	10			0736+			*	*	*
0746	Digital Music Production/Songwriting	5		F				*	*	*
0747	Music Exploration	5		F				*	*	*
0756 A/B	Concert Choir	10		F				*	*	*
0757 A/B	Chorale	10		F	+			*	*	*
0758 A/B	Singers	10		F	+			*	*	*
0767 A/B	IB Music SL - Band	10	11-12	F	+			*	*	*
0769 A/B	IB Music SL - Orchestra	10	11-12	F	+			*	*	*
0798	Introduction to Music Theory	5		F				*	*	*
0799	AP Music Theory	5			0798			*	*	*
PHYSICAL EDUCATION										
0800	Sport Skills and Fitness	5		PE				*	*	*
0801	Cross Training I	5		PE				*	*	*
0802	Cross Training II	5		PE	0801			*	*	*
0803	Lifetime Fitness	5	11-12	PE				*	*	*
0805	Weight Training and Conditioning I	5	10-12	PE				*	*	*
0806	Weight Training and Conditioning II	5	10-12	PE	0805			*	*	*
0808	Introduction to Aquatics	5		PE	+			*	*	*
0809	Lifeguard Training	5	10-12	PE	+			*	*	*
0810	Aquatics	5		PE	+			*	*	*
0814	Athletic Training and Sports Injury	5						*	*	*
0815 A/B	Athletic Training and Sports Injuries Internship	10	11-12		+			*	*	*
0816	Advanced Performance	5		PE	+			*	*	*
0817	Sport Officiating	5		PE	0800 or 0803			*	*	*
SCIENCE										
0321 A/B	Introduction to IB Chemistry and IB Physics	10	10	C, P	MA10, 0327	*		*	*	*
0327 A/B	Biology	10	9			*	*	*	*	*
0328	Physical Science: Chemistry	5	10-11	C	0327	*	*	*	*	*
0329	Physical Science: Physics	5	10-11	P	0327	*	*	*	*	*
0333	Zoology	5			0327	*	*	*	*	*
0334 A/B	Chemistry	10		C	0211 or MA10,	*	*	*	*	*
0335	Astronomy	5				*	*	*	*	*
0346	Environmental Science	5			0327	*	*	*	*	*
0347 A/B	AP Environmental Science	10			0327+	*	*	*	*	*
0352 A/B	Physics	10	10-11	P	0231, 0233+,	*	*	*	*	*
0362 A/B	Human Anatomy and Physiology	10			0327	*	*	*	*	*
0370 A/B	AP Chemistry	10			0231, 0233T,	*	*	*	*	*
0371 A/B	IB Chemistry HL I	10	11		0321+ or 0334,	*	*	*	*	*
0372 A/B	IB Chemistry HL II	10	12		0371	*	*	*	*	*
0375 A/B	IB Biology SL	10	11-12		0334, 0352	*	*	*	*	*
0376 A/B	IB Biology HL I	10	11		0334 and 0352	*	*	*	*	*
0377 A/B	AP Biology	10			0327, 0334	*	*	*	*	*
0378 A/B	IB Biology HL II	10	12		0376	*	*	*	*	*
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0327, 0231,	*	*	*	*	*
0384 A/B	AP Physics 2: Algebra-Based	10			0352 or 0383T and	*	*	*	*	*
0380 A/B	IB Physics SL	10	11-12		0334 and 0352, or	*	*	*	*	*
0381 A/B	IB Physics HL I	10	11		0334 and 0352, or	*	*	*	*	*
0382 A/B	IB Physics HL II	10	12		0381	*	*	*	*	*

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H = Fulfills Health Education Graduation Requirement
 HR = Fulfills Human Resources Graduation Requirement
 P = Fulfills Physics Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
SKILLED AND TECHNICAL SCIENCES										
Construction Pathway										
0654	Introduction to Carpentry	5						*	*	*
0657	Carpentry	5			0654			*	*	*
0658	Advanced Carpentry	5			0657			*	*	*
0613	Home Maintenance	5						*	*	*
0696	Construction Systems	5			0613			*	*	*
0659	Construction and Management	5			0696			*	*	*
Engineering Pathway										
0662	Introduction to Engineering	5		T				*	*	*
0663	Engineering and Design A	5			0662			*	*	*
0664	Engineering and Design B	5			0663			*	*	*
0675	Civil Engineering and Architecture A	5			0662			*	*	*
0676	Civil Engineering and Architecture B	5			0675			*	*	*
0692	Robotics A	5			0662			*	*	*
0693	Robotics B	5			0692			*	*	*
Manufacturing Pathway										
0681	Introduction to Metalworking	5						*	*	*
0682	Precision Machining A	5			0681			*	*	*
0683	Precision Machining B	5			0682			*	*	*
0684	Computer Integrated Machining	5			0683			*	*	*
0694	Advanced Precision Machining	5			0684			*	*	*
0695	Small Engines	5			0681			*	*	*
0685	Welding I	5			0681			*	*	*
0686	Welding II	5			0685			*	*	*
Advanced Topics										
0698 A/B	STEM Design and Development	10			***			*	*	*
*** Students must complete one Program of Study (series of 3 related courses) in Construction, Manufacturing, or Engineering Pathways to be eligible for this course.										
SOCIAL STUDIES										
0408	World Geography	5	9					*	*	*
0414	United States Government and Economics	5	11-12					*	*	*
V0414	United States Government and Economics	5	11-12					*	*	*
0415	AP United States Government and Politics	5	11-12					*	*	*
0420 A/B	World History	10	10-12					*	*	*
0424 A/B	AP World History	10	10-12					*	*	*
0422	World Religions	5		HR	0408 or 0456			*	*	*
0425	Human Diversity	5		HR				*	*	*
0426	International Relations	5		HR				*	*	*
0430	Introduction to Behavioral Sciences	5		HR				*	*	*
0431	Sociology	5	11-12	HR				*	*	*
0432	Psychology	5	10-12	HR				*	*	*
V0432	Psychology	5	11-12	HR				*	*	*
0433 A/B	IB Psychology SL	10	11-12	HR				*	*	*
0442	Law Studies	5	11-12	HR				*	*	*
0449 A/B	United States History	10	11-12					*	*	*
0450 A/B	AP United States History	10	11-12					*	*	*
0451 A/B	AP European History	10			0408 or 0456			*	*	*
0453 A/B	AP Psychology	10	11-12	HR				*	*	*
0455 A/B	IB History of the Americas HL II	10	12		0458			*	*	*
0456 A/B	AP Human Geography	10						*	*	*
0458 A/B	IB Early Modern World History SL/HL I	10	11-12					*	*	*
0850	IB Theory of Knowledge I	5	11	HR				*	*	*

F=fulfills Fine and Performing Arts Graduation Requirement

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HR = Fulfills Human Resources Graduation Requirement

*Pending instructor availability – may need to arrange schedule to attend available instructor's assigned high school.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Honors High	North High	South High	West High
SPECIAL EDUCATION										
0900 A/B	Fundamental English	10			†			*	*	*
0903 A/B	Essentials of English 11	10	11		†			*	*	*
0908 A/B	Fundamental Reading	10			†			*	*	*
0920 A/B	Fundamental Mathematics	10			†			*	*	*
0927	Foundational Mathematics	5			†			*	*	*
0930 A/B	Fundamental Science	10			†			*	*	*
0932 A/B	Essentials of Biology	10	9		†			*	*	*
0933	Essentials of Human Anatomy and Physiology I	5	11-12		†			*	*	*
0934	Essentials of Human Anatomy and Physiology II	5	11-12		†			*	*	*
0935	Essentials of Environmental Science	5	10-12		†			*	*	*
0936	Essentials of Physical Science: Chemistry	5	10-11	C	†			*	*	*
0937	Essentials of Physical Science: Physics	5	10-11	P	†			*	*	*
0940 A/B	Fundamental Social Studies	10			†			*	*	*
0944	Essentials of United States Government & Economics	5	11-12		†			*	*	*
0946	Essentials of World Geography	5	9		†			*	*	*
0947	Essentials of Human Diversity	5		HR	†			*	*	*
0948 A/B	Essentials of World History	10	10		†			*	*	*
0949 A/B	Essentials of United States History	10	11-12		†			*	*	*
0950	Fundamental Daily Living	5	10-12	H	†			*	*	*
0951	Fundamental Independent Living	5			†			*	*	*
0952	Career Readiness Skills and Exploration	5			†			*	*	*
0953	College Readiness Skills and Exploration	5			†			*	*	*
0957	Transition to Adult Living	5			†			*	*	*
0960	Fundamental Personal Finance	5		FL	†			*	*	*
0970 A/B	Fundamental Technology	10			†			*	*	*
0971 A/B	Fundamental Prevocational Skills	10			†			*	*	*
0972	Fundamentals of Speech	5		OC	†			*	*	*
0973	Work Introduction Network I	5		HR	†			*	*	*
0974	Work Introduction Network II	5			†			*	*	*
WORLD LANGUAGE										
0132 A/B	French I	10						*	*	*
0130 A/B	Honors French I	10						*	*	*
0133 A/B	French II	10			0130 or 0132			*	*	*
0134 A/B	Honors French II	10			0130 or 0132			*	*	*
0135 A/B	French III	10			0133 or 0134			*	*	*
0136 A/B	Honors French III	10			0133 or 0134			*	*	*
0137 A/B	French IV	10			0135 or 0136			*	*	*
0139 A/B	AP French Language and Culture	10			0135, 0136 or 0136			*	*	*
0140 A/B	IB French B SL	10	12		0136			*	*	*
0112 A/B	German I	10						*	*	*
0110 A/B	Honors German I	10						*	*	*
0113 A/B	German II	10			0110 or 0112			*	*	*
0114 A/B	Honors German II	10			0110 or 0112			*	*	*
0115 A/B	German III	10			0113 or 0114			*	*	*
0116 A/B	Honors German III	10			0113 or 0114			*	*	*
0117 A/B	German IV	10			0115 or 0116			*	*	*
0119 A/B	AP German Language and Culture	10			0115, 0116 or 0117			*	*	*
0120 A/B	IB German B SL	10	12		0116			*	*	*
0162 A/B	Honors Latin I	10						*	*	*
0163 A/B	Honors Latin II	10			0162			*	*	*
0164 A/B	Honors Latin III	10			0163			*	*	*
0172 A/B	AP Latin	10			0164			*	*	*
0161 A/B	IB Latin SL	10	12		0164			*	*	*
0152 A/B	Spanish I	10						*	*	*
0147 A/B	Honors Spanish I	10						*	*	*
0153 A/B	Spanish II	10			0147 or 0152+			*	*	*
0154 A/B	Honors Spanish II	10			0147 or 0152+			*	*	*
0155 A/B	Spanish III	10			0153 or 0154+			*	*	*
0156 A/B	Honors Spanish III	10			0153 or 0154+			*	*	*
0157 A/B	Spanish IV	10			0156 or 0157			*	*	*
0158 A/B	Honors Spanish IV/Spanish V	10			0155, 0156, or 0157			*	*	*
0159 A/B	AP Spanish Language and Culture	10			0155, 0156, 0157, or 0158			*	*	*
0160 A/B	IB Spanish B SL	10	12		0156			*	*	*
0171 A/B	IB Spanish A2 HL A	10	12		0158			*	*	*

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*Pending instructor availability – may need to arrange schedule to attend available instructor's assigned high school.

	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
ACADEMIES IN MILLARD HIGH SCHOOLS								
Business and Entrepreneurship Academy								
0007 A/B	English 11	10	11	E	Application	•	M	This academy is located at Millard South High School.
AEN01 A/B	College Accounting I	10	11				M	
AEN05	Financial Literacy	5	11	FL			M	
AEN10	Introduction to Business	5	11				M	
AEN20	Introduction to Entrepreneurship	5	11				M	
AEN60	Business Law	5	11				M	
AEN30	Entrepreneurship Feasibility Study	5	12				M	
AEN15	College Accounting II	5	12				M	
AEN45 A/B	Entrepreneurship Work-Based Learning Experience	10	12					
0540	AP Macroeconomics	5	12		+		M	
0541	AP Microeconomics	5	12		†		M	
AEN55	Principles of Management	5	12				M	
AEN65	Principles of Marketing	5	12				M	
Business and Logistics Management Academy								
0007 A/B	English 11	10	11	E	Application	•	M	This academy is located at Millard North High School.
ATD10	Introduction to Business	5	11				M	
ATD01	Intro. Transportation, Distribution & Logistics	5	11				M	
ATD05	Industrial Safety and Health	5	11				M	
ATD15	Introduction to Distribution	5	11				M	
ATD20	Principles of Marketing	5	11				M	
ATD25	Principles of Management	5	11				M	
ATD30	Mechanical Print Reading	5	12				M	
ATD35	Business Logistics	5	12				M	
ATD40	Purchasing and Material Management	5	12				M	
ATD45	Problem Solving	5	12				M	
ATD50	Production & Operations Management	5	12				M	
ATD55 A/B	Business and Logistics Management Work-Based Learning Experience	10	12					
ATD60	College Composition and Research	5	12	EE	0004 or 0007	•	M	
Education Academy								
0007 A/B	English 11	10	11	E	Application	•	M	This academy is located at Millard North and Millard West High Schools.
0527	Child Development	5	11	HR				
AED02	Preschool Child Development	5	11				M	
AED35	Professional Speaking	5	11	OC		•	M	
AED10	Introduction to Professional Education	5	11				O	
AED15	Education Seminar I	5	11				M	
0422	World Religions	5	11	HR+	0408 or 0456		O	
0414	US Government and Economics	5	11				M	
0453 A/B	AP Psychology	10	12	HR		•	O	
AED30	Best Practices in Education	5	12					
AED05	College Composition and Research	5	12	EE	0004 or 0007	•	M	
AED40	Education Seminar II	5	12					
AED45	Education Seminar III	5	12					
AED50	Education Practicum	5	12					
AED 55	Introduction to Special Education	5	12				O	

E = Fulfills English Graduation Requirement

EE = English Elective

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

SE = Science Elective

† = See course descriptions for additional requirements

M = Metropolitan Community College

O = University of Nebraska at Omaha

	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
ACADEMIES IN MILLARD HIGH SCHOOLS								
	Health Sciences Academy				Application			
AHS01 A/B	Human Anatomy and Physiology	10	11	SE		•	M	This academy is located at Keith Lutz Horizon High School.
AHS05	Medical Terminology I	5	11				M	
AHS10	Medical Terminology II	5	11				M	
AHS15	Health Sciences Orientation Seminar	5	11				M	
AHS20	Introduction to Medical Law and Ethics	5	11				M	
AHS25	Nutrition in the Life Cycle	5	11				M	
AHS30	Disease Processes	5	11	SE		•	M	
0453 A/B	AP Psychology	10	12	HR		•	M	
AHS35 A/B	Long Term Care/Certified Nursing Assistant	10	12				M	
AHS65 A/B	Emergency Medical Responder (EMR)	10	12				M	
AHS50 A/B	Health Sciences Work-Based Learning Experience	10	12					Application is open to all Millard students.
AHS60	Fundamentals of Pharmacology	5	12				M	
V0035	College Writing	5	12	EE	0004 or 0007			
	STEM Academy				Application			
AST01	Engineering Design and Systems Thinking	5	11					This academy is located at Millard West High School.
AST02	Information Technology I	5	11	T			M	
AST03	Engineering Problem Solving	5	11					
AST04	Information Technology II	5	11				M	
0720	Drawing	5	11	F			M	
0383 A/B	AP Physics 1: Algebra-Based	10	11	P	0327, 0231, 0233+, MA10	•	O	Application is open to all Millard students.
YBC03	Human Relations	5	11				M	
AST05	3D Design	5	12				M	
AST06 A/B	STEM Capstone	10	12					
MA56 A/B	AP Statistics	10	12	Ma	0231, MA30 or MA32†	•	M	
AST08	Public Speaking	5	12	OC			M	
AST09 A/B	STEM Work-Based Learning Experience	10	12					

E = Fulfills English Graduation Requirement

EE = English Elective

HR = Fulfills Human Resources Graduation Requirement

OC = Fulfills Oral Communications Graduation Requirement

SE = Science Elective

† = See course descriptions for additional requirements

M = Metropolitan Community College

O = University of Nebraska at Omaha

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
ADVANCED PLACEMENT®										
0047 A/B	AP English Language and Composition	10			0004 or 0007	*		*	*	*
0048 A/B	AP English Literature and Composition	10			0004 or 0007	*		*	*	*
0119 A/B	AP German Language and Culture	10			0117			*	*	*
0139 A/B	AP French Language and Culture	10			0137			*	*	*
0159 A/B	AP Spanish Language and Culture	10			0158			*	*	*
0172 A/B	AP Latin	10			0164			*		
MA54 A/B	AP Precalculus	10			0231 or 0233† MA30 or MA32† and MA36	*	*	*	*	*
MA56 A/B	AP Statistics	10			0231 or 0233† MA18 or MA20	*		*	*	*
MA58 A/B	AP Calculus AB	10			0238, 0239†, or	*		*	*	*
MA60 A/B	AP Calculus BC	10			0239† or MA54	*		*	*	*
0257A/B	AP Computer Science A	10	10-12		0563, 0565, or 0569			*	*	*
0565 A/B	AP Computer Science Principles	10		T				*	*	*
0347 A/B	AP Environmental Science	10			0327+	*		*	*	*
0370 A/B	AP Chemistry	10			0231+	*		*	*	*
0377 A/B	AP Biology	10			0327, 0334	*		*	*	*
0383 A/B	AP Physics 1: Algebra-Based	10	10-12	P	0231 or 0233†, 0327	*		*	*	*
0384 A/B	AP Physics 2: Algebra-Based	10			0352, 0383+	*		*	*	*
0415	AP United States Government and Politics	5	11-12			*		*	*	*
0424 A/B	AP World History	10	10-12			*		*	*	*
0450 A/B	AP United States History	10	11-12			*		*	*	*
0451 A/B	AP European History	10			0408 or 0456	*		*	*	*
0453 A/B	AP Psychology	10				*		*	*	*
0456 A/B	AP Human Geography	10			0412+	*		*	*	*
0540	AP Macroeconomics	5			+			*	*	*
0541	AP Microeconomics	5			+			*	*	*
0799	AP Music Theory	5			0798			*	*	*
AP01 A/B	AP Seminar	10	11							*
AP02 A/B	AP Research	10	12							*
0724 A/B	AP Drawing	10	11-12		0723			*	*	*

HR = Fulfills Human Resources Graduation Requirement
T = Fulfills Technology Education Graduation Requirement

P = Fulfills Physics Graduation Requirement
† = See course descriptions for additional requirements

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	
AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)							
Cadet Year 1							
AS100	Milestones in Aviation History	5				The AFJROTC is located at Millard South High School. Within District transfer is required to participate.	
LE100	Traditions, Wellness, and Foundations of Citizenship	5		PE			
AS220	Cultural Studies: An Intro to Global Awareness	5		WG			
Cadet Year 2							
AS200	The Science of Flight: A Gateway to New Horizons	5		SE			
LE200	Communication, Awareness, and Leadership	5					
Cadet Year 3							
AS300	Exploring Space: The High Frontier	5					
LE300	Life Skills and Career Opportunities	5		FL			
Cadet Year 4							
AS400	Management of the Cadet Corps	5	11-12				
LE400	Fundamentals of Management	5					
AS410	Survival	5					

FL = Fulfills Financial Literacy Graduation Requirement
PE = Fulfills Physical Education Graduation Requirement
SE = Science Elective
WG = Fulfills World Geography Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core
AP CAPSTONE™						
PD80	Academic Seminar	5	9-12			This program is located at Millard West High School. Application is open to all Millard students. Within District transfer is required to participate.
AP01 A/B	AP Seminar	10	11			
AP02 A/B	AP Research	10	12			

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High	North High	South High	West High
OTHER OPPORTUNITIES										
PD80	Academic Seminar	5	9-12				*	*	*	*
PD85	Academic Seminar Leadership	5	10-12		†		*	*	*	*
---	ACT® Prep Workshop	0	9-12				*	*	*	*
---	ELO Reteaching Courses	5					*	*	*	*
---	Independent Study Courses	5 or 10					*	*	*	*
YBC02 A/B	Intern Omaha Experience	10	12		†		*	*	*	*
UNMC1-15	UNMC High School Alliance	40	11-12				*	*	*	*
---	Zoo Academy	45	11-12		†		*	*	*	*

C = Fulfills Chemistry Graduation Requirement
 FL = Fulfills Financial Literacy Graduation Requirement
 P = Fulfills Physics Graduation Requirement
 † = See course descriptions for additional requirements

OC = Fulfills Oral Communications Graduation Requirement
 T = Fulfills Technology Education Graduation Requirement

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core
INTERNATIONAL BACCALAUREATE® DIPLOMA PROGRAMME						
0016 A/B	IB English: Literature HL I	10	11		0003, 0004	*
0017 A/B	IB English: Literature HL II	10	12		0016+	*
0140 A/B	IB French B SL	10	12		0138	
0120 A/B	IB German B SL	10	12		0118	
0161 A/B	IB Latin SL	10	12		0164	
0160 A/B	IB Spanish B SL	10	12		0158	
0171 A/B	IB Spanish A2 HL A	10	12		0158	
0554 A/B	IB Business Management SL/HL I	10	11			
0555 A/B	IB Business Management HL II	10	12		0554	
0266 A/B	IB Computer Science HL I	10	11		0569+	
0267 A/B	IB Computer Science HL II	10	12		0266	
MA66 A/B	IB Mathematics Analysis & Approaches HL I	10	11		0238, 0239 or MA54	
MA68 A/B	IB Mathematics Analysis & Approaches HL II	10	12		0268 or MA66	
MA70 A/B	IB Mathematics Applications & Interpretation HL I	10	11		0238, 0239 or MA54	
MA72 A/B	IB Mathematics Applications & Interpretation HL II	10	12		0270 or MA70	
MA74 A/B	IB Mathematics Applications & Interpretation SL	10	11		0231, 0238, 0239, 0243 or MA30	
0371 A/B	IB Chemistry HL I	10	11		0321	*
0372 A/B	IB Chemistry HL II	10	12		0371	*
0375 A/B	IB Biology SL	10	11-12			*
0376 A/B	IB Biology HL I	10	11		0334	*
0378 A/B	IB Biology HL II	10	12		0376	*
0380 A/B	IB Physics SL	10	11-12		0321+	*
0381 A/B	IB Physics HL I	10	11		0321+	*
0382 A/B	IB Physics HL II	10	12		0381	*
0458 A/B	IB Early Modern World History SL/HL I	10	11-12			*
0433 A/B	IB Psychology SL	10	11-12			*
0455 A/B	IB History of the Americas HL II	10	12		0458	*
0727 A/B	IB Visual Arts SL	10	11-12		0720, 0722, 0709	
0728 A/B	IB Visual Arts HL I	10	11	F	0720, 0722, 0709	
0729 A/B	IB Visual Arts HL II	10	12		0728	
0767 A/B	IB Music SL Band	10	11-12	F		
0769 A/B	IB Music SL Orchestra	10	11-12	F		
0850	IB Theory of Knowledge I	5	11	HR		
0851	IB Theory of Knowledge II	5	12		0850	
0073 A/B	IB Film SL	10	11-12			
0074 A/B	IB Film HL I	10	11			
0075 A/B	IB Film HL II	10	12		0074	

F = Fulfills Fine and Performing Arts Graduation Requirement

HR = Fulfills Human Resources Graduation Requirement

† = See course descriptions for additional requirements

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	Dual Enrollment Credit	ACT Core
ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE							
MCC01 A/B/C	3-D Animation and Games	15	11-12			M	
MCC02 A/B/C	Administrative Technology	15	11-12			M	
MCC06 A/B/C	Advanced Manufacturing - Year 1	10	11-12			M	
MCC43 A/B/C	Advanced Manufacturing - Year 2	10	12			M	
MCC04 A/B/C	Architecture Technology	15	12			M	
MCC18 A/B/C	Automotive Collision Technology - Year 1	10	11-12			M	
MCC35 A/B/C	Automotive Collision Technology - Year 2	10	12			M	
MCC19 A/B/C	Automotive Technology	10	11-12			M	
MCC45 A/B/C	Business - Year 1	15	11-12			M	
MCC46 A/B/C	Business - Year 2	15	12			M	
MCC28 A/B/C	Certified Nursing Assistant (CNA)	10	11-12			M	
MCC05 A/B/C	Civil Engineering Technology	15	12			M	
MCC14 A/B/C	Construction Technology - Year 1	15	11-12			M	
MCC15 A/B/C	Construction Technology - Year 2	15	12			M	
MCC22 A/B/C	Criminal Justice	15	12			M	
MCC39 A/B/C	Culinary Arts Foundations	10	11-12			M	
MCC47 A/B/C	Data Science	15	11-12			M	
MCC24 A/B/C	Diesel Technology - Year 1	10	11-12		†	M	
MCC36 A/B/C	Diesel Technology - Year 2	10	12			M	
MCC27 A/B/C	Digital Cinema and Filmmaking	10	11-12			M	
MCC07 A/B/C	Early Childhood Education	15	12			M	
MCC23 A/B/C	Electrical Technology - Year 1	15	11-12			M	
MCC37 A/B/C	Electrical Technology - Year 2	10	12			M	
MCC29 A/B/C	Emergency Medical Technician (EMT)	15	12			M	
MCC32 A/B/C	Fire Science Technology - Year 1	10	11-12			M	
MCC33 A/B/C	Fire Science Technology - Year 2	10	11-12			M	
MCC08 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 1	10	11-12			M	
MCC09 A/B/C	Heating, Air Conditioning & Refrigeration (HVAC) - Yr 2	10	12			M	
MCC21 A/B/C	Horticulture, Land Systems and Management	10	11-12			M	
MCC38 A/B/C	Horticulture, Land Systems and Management	10	12			M	
MCC48 A/B/C	Human Services	15	11-12			M	
MCC11 A/B/C	IT Technician - Cyber Security - Year 1	15	11-12			M	
MCC44 A/B/C	IT Technician - Cyber Security - Year 2	15	11-12			M	
MCC49 A/B/C	Photography	10	11-12			M	
MCC50 A/B/C	Powersports and Outdoor Power Equipment Technician	15	11-12			M	
MCC31 A/B/C	Pre-Apprenticeship Plumbing	15	11-12			M	
MCC12 A/B/C	Prototype Design	15	11-12			M	
MCC16 A/B/C	Theatre Technology - Year 1	20	11-12			M	
MCC17 A/B/C	Theatre Technology - Year 2	20	12			M	
MCC40 A/B/C	Web and Mobile App Programming - Year 1	15	11-12			M	
MCC41 A/B/C	Web and Mobile App Programming - Year 2	15	12			M	
MCC25 A/B/C	Welding and Fabrication - Year 1	10	11-12			M	
MCC26 A/B/C	Welding and Fabrication - Year 2	10	12			M	

These academies are located at a Metropolitan Community College campus.

† = See course descriptions for additional requirements

M=Metropolitan Community College

Millard High School Credit Count

Classes of 2025 and 2026

To graduate students must earn 230 credits, meet District Assessment criteria, successfully complete a Personal Learning Plan (PLP), and complete the FAFSA.

Total Earned Credits	9th grade:	10th grade:	11th grade:	12th grade:	Total: (Need 230)		
Required Assessments	Reading Met		Writing Met		Mathematics Met		
Personal Learning Plan	Requirement Completed		FAFSA		Requirement Completed		
English Language Arts	40 CR	9-A and 9-B	10-A and 10-B	11-A and 11-B	Additional English	Oral Communications: Competitive Speech Professional Speaking Speech Debate Competitive Debate Forensics	
Mathematics* <small>*See Mathematics requirements</small>	30 CR						
Science	30 CR	Biology A and B					
Social Studies	30 CR	World Geography	World History A	World History B	US History A	US History B	US Government & Economics
		IB Students only: IB History of the Americas HL II					
Human Resources	5 CR	Adult Life & Parenting AP Psychology (10 credits) Child Development Human Diversity IB Psychology IB TOK (IB only)			International Relations Intro to Behavioral Sciences Law Studies (Completed in 22-23 or after) Psychology World Religions (Completed in 22-23 or after)		
Health	5 CR	ELD Health Healthy Living			Electives: 65 Credits		
Physical Education	15 CR						
Financial Literacy	5 CR	ELD Financial Literacy Financial Literacy Personal Finance Life Skills & Career Opportunities					
Fine & Performing Arts	5 CR	Any Art or Music Course Theatre & Performance I Theatre Appreciation					

- Students are responsible for determining courses that will satisfy specific University/College admissions requirements.
- Students may need 20 credits of the same World Language to gain entrance into a University/College.

Millard High School Credit Count

Classes of 2027 and Beyond

To graduate students must earn 230 credits, meet District Assessment criteria, successfully complete a Personal Learning Plan (PLP), and complete the FAFSA.

Total Earned Credits	9th grade:	10th grade:	11th grade:	12th grade:	Total: (Need 230)				
Required Assessments	Reading Met		Writing Met		Mathematics Met				
Personal Learning Plan	Requirements Completed		FAFSA		Requirement Completed				
English Language Arts	40 CR	9-A and 9-B	10-A and 10-B	11-A and 11-B	Additional English	Oral Communications Speech Debate Forensics		Competitive Speech Professional Speaking Competitive Debate	
Mathematics* *See Mathematics requirements	30 CR								
Science	30 CR	Biology A and B							
Social Studies	30 CR	World Geography	World History A	World History B	US History A	US History B	US Government & Economics		
						IB Students only: IB History of the Americas HL II			
Human Resources	5 CR	Adult Life & Parenting AP Psychology (10 credits) Child Development Human Diversity IB Psychology IB TOK (IB only)			International Relations Intro to Behavioral Sciences Law Studies Psychology World Religions				
Health	5 CR	ELD Health Healthy Living			Electives: 60 Credits				
Physical Education	15 CR								
Financial Literacy	5 CR	ELD Financial Literacy Financial Literacy Personal Finance Life Skills & Career Opportunities							
Fine & Performing Arts	5 CR	Any Art or Music Course Theatre & Performance I Theatre Appreciation							
Technology Education	5 CR	AP Computer Science Principles Business Technologies Computer Science Programming Digital Media							
		ELD Computer Literacy Emerging Technologies Info. Tech. I (STEM Academy) Introduction to Engineering							

- Students are responsible for determining courses that will satisfy specific University/College admissions requirements.
- Students may need 20 credits of the same World Language to gain entrance into a University/College.



AGENDA SUMMARY SHEET

Agenda Item: Appointment of Educational Service Unit #3 Representative

Meeting Date: November 6, 2023

Background/

Description: The Board of Education will appoint John Schwartz as the official representative to Educational Service Unit #3.

Action Desired: Approval

Policy /

Strategic Plan

Reference:

Responsible Person(s): Superintendent, Dr. John Schwartz

Superintendent's Signature:

A handwritten signature in black ink that reads "John Schwartz". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

AGENDA SUMMARY SHEET

Agenda Item: Appointment of ESSA Authorized Representative

Meeting Date: November 6, 2023

Background/

Description:

The Nebraska Department of Education requires the Board of Education to authorize one person to be the representative for the ESSA application. The Board of Education will authorize John Schwartz as the representative for the ESSA Grant.

Action Desired: Approval

Policy /

Strategic Plan

Reference:

Responsible Person(s): Superintendent, Dr. John Schwartz

Superintendent's Signature:

A handwritten signature in black ink that reads "John Schwartz". The signature is written in a cursive style with a large initial "J" and "S".

AGENDA SUMMARY SHEET

Agenda Item: Approval of Construction Manager at Risk’s Guaranteed Maximum Price for Cody Elementary School Renovation

Meeting Date: November 6, 2023

**Background/
Description:**

The progressive steps for construction projects are generally as follows:

1. Schematic Design (SD) * *Board Meeting Presentation*
 - “50 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Approval of Construction Manager at Risk’s Guaranteed Maximum Price * *Board Meeting Presentation*
4. Contract Administration (CA)
 - Supervision and documentation of the construction project.

Cody Elementary School is one of the renovation projects budgeted in the 2020 bond.

The budget construction cost during the 2019 bond preparation process was \$5,701,228. The Schematic Design Estimate presented to the Board of Education on May 1, 2023 was \$9,569,386. The Guaranteed Maximum Price proposed by the Construction Manager at Risk (Weitz) is \$8,894,009.

Under our more traditional approach, the architect would be coming to the Board to present a Bid Summary document showing the various lump sum bids of several contractors. Under the Construction Manager at Risk approach for Cody Elementary School, we already have our contractor identified (The Weitz Company). The attached documents break out the costs that Weitz has developed. These costs have been reviewed by the architect (Holland Basham Architects). The proposed guaranteed maximum price from Weitz is a “not-to-exceed number” for the agreed scope. If there are future savings identified or if internal contingency is not used, any unused funds would be credited back to the District at the end of the project.

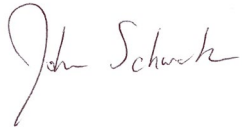
Copies of the architect’s letter and supporting documents are attached. A representative from Holland Basham Architects and a representative from the Weitz Company will be present to answer any questions.

Action Desired: It is recommended that the Construction Manager at Risk’s Guaranteed Maximum Price for the Cody Elementary School Renovation of \$8,894,009 be approved and that the Chief Financial Officer be authorized to execute any and all documents related to such project.

**Policy /
Strategic Plan
Reference:** n/a

Responsible Person(s): Chad Meisgeier, Chief Financial Officer

Superintendent's Signature:

A handwritten signature in cursive script that reads "John Schwach". The signature is written in black ink and is positioned below the "Superintendent's Signature:" label.

October 26, 2023

Mr. Chad Meisgeier
Millard Public Schools
Don Stroh Administration Center
5606 South 147th Street
Omaha, NE 68137

RE: MPS Cody Elementary Renovation & Additions

Dear Mr. Meisgeier;

Evaluation of the approved Cody Elementary Bond Scope of Work and existing building has been in progress with the MPS Staff and Holland Basham Architects since our approval as your Construction Manager on July 11, 2022. During this collaborative design session, we identified similarities to the recently completed Norris Elementary and budgeted the project to reflect the current market and additional scope items that were not part of the original bond referendum. These were estimated as possible scope change items for enhancements to the school and provided for review. The increases in scope include;

- Small Additions of Office Space
- Building Fire Sprinkler due to overage in Code Allowable Size
- New Classroom Casework, in lieu of soffit, to cover mechanical lines
- Replacement of Storefront, originally shown to stay to update building efficiency
- New restrooms at the gym to meet ADA requirements
- Painting of ceiling at the original building structure
- Carpet in lieu of VCT in Corridors

The determination was made to proceed with the bidding of these items after the Schematic Budget of \$9,569,387 was approved by the BOE. After bidding in a more competitive current market, the GMP came in below the schematic budget at a total of \$8,894,009.

The Weitz Company recommends approval to proceed with the project as scheduled to start spring break of 2024. This recommendation is based on similar scope and cost to Norris Elementary, time frame to procure equipment for phase 1 completion to meet the 2024 school year and escalations in cost year over year.

Please respond back with any questions or concerns. We will provide supplementary information as requested. Upon your approval, the project will proceed forward immediately.

Sincerely,



Hilary Thien
Project Manager

cc: Brian Mahlendorf, General Manager
e-copy: Owner Communication



/// BUILD A BETTER WAY.™

MPS - Cody Elementary School Addition and Renovation

GMP

October 27, 2023

	GMP October 27, 2023
1 - General Conditions - (Overhead, Profit, Phasing)	\$ 1,416,101
2 - Existing Conditions	\$ 277,558
3 - Concrete	\$ 275,177
4 - Masonry	\$ 216,063
5 - Metals	\$ 204,563
6 - Wood Plastics & Composites	\$ 272,485
7 - Thermal / Moisture Protection	\$ 152,936
8 - Doors & Windows	\$ 437,545
9 - Finishes	\$ 972,039
10 - Specialties	\$ 48,558
11 - Equipment	\$ -
12 - Furnishings	\$ 14,596
13 - Special Construction	\$ -
14 - Conveying Systems	\$ -
21 - Fire Suppression	\$ 239,700
22 - Plumbing	\$ -
23 - Heating Ventilating & Air Conditioning	\$ 3,200,242
26 - Electrical	\$ 998,278
27 - Special Systems	\$ -
31 - Earthwork	\$ 44,997
32 - Exterior Improvements	\$ 123,173
Total	\$ 8,894,009

November 6, 2023

Chad Meisgeier
Millard Public Schools
Don Stroh Administration Center
5606 South 147th Street
Omaha, NE 68137

Subject: MPS Cody Elementary School Renovation
HBA Project Number: 20106

Dear Mr. Meisgeier,

The School Board approved the Weitz Company to act as the Construction Manager at Risk (CMR) for the Cody Elementary School Renovation on December 7, 2020. During the design process, and on-going collaboration with Weitz, and the District, several design challenges were discovered that could add considerable value to the project. These possible scope change items include:

- 6 office addition
- Principals' office expansion
- Demolition and New Restrooms at the Gym to accommodate ADA requirements
- Building fire sprinkler due to overage in Code Allowable Size
- Replacement of Storefront, shown to stay, to increase efficiency of the building
- New classroom casework, in lieu of soffit, to cover mechanical lines
- Carpet in lieu of VCT in Corridors
- Painting of exposed ceiling throughout

It was determined upon District review and approval that these additions, as listed in Weitz's closure document, would be included in the project. Based on the original budget of \$5,701,228 in 2020, Weitz has submitted a Guaranteed Maximum Price (GMP) of \$8,894,009 which would be needed to incorporate these value additions into the project.

The Guaranteed Maximum Price (GMP) process for Cody Elementary School has been very collaborative and HBA has been directly involved in reviewing the details of the Weitz proposal.

After careful review of the GMP, HBA recommends approval to proceed with the project as scheduled to start this summer.

Upon your approval, we can proceed with moving the project forward. Please let me know if you should have any questions or concerns.

Sincerely,



Megan K. Jarosz, HBA Associate Partner
mjarosz@hollandbasham.com



FINISH LEGEND

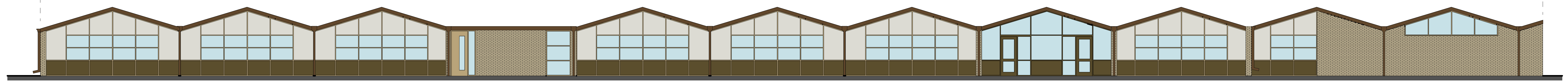
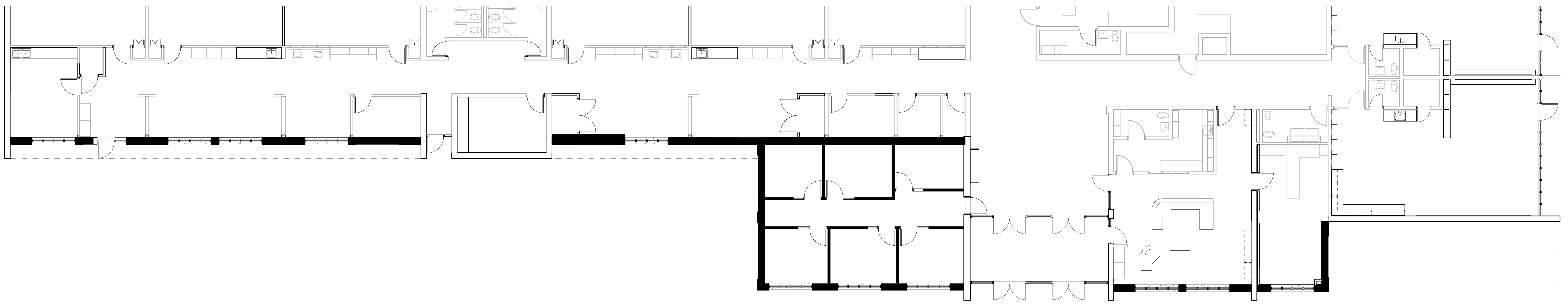
-  EXISTING TERRAZZO
-  SEALED CONCRETE
-  NEW 12"X24" PORCELAIN TILE
-  NEW 12"X12" VCT
-  NEW 24"X24" CARPET TILE
-  WALK-OFF MAT
-  SHEET VINYL
-  NEW CASEWORK
-  NEW SOLID SURFACE COUNTERTOP/SINK
-  NEW WOOD DOOR/PAINT EXISTING FRAME
-  NEW HOLLOW METAL DOOR/PAINT EXISTING FRAME
-  NEW WOOD DOOR AND HOLLOW METAL FRAME
-  NEW ALUMINUM DOOR
-  NEW WINDOWS
-  NEW INTERIOR/EXTERIOR WALL
-  EXISTING DOOR
-  NEW ALUMINUM STOREFRONT
-  EXISTING WALL



VA ITEM: NEW VCT IN THE GYM AND STORAGE ROOM 8A

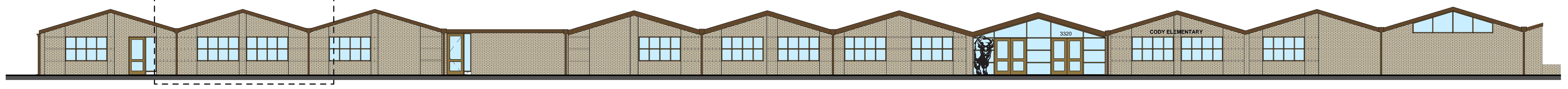


NEW OFFICE ADDITION NEW SECURE ENTRY PRINCIPALS OFFICE EXPANSION

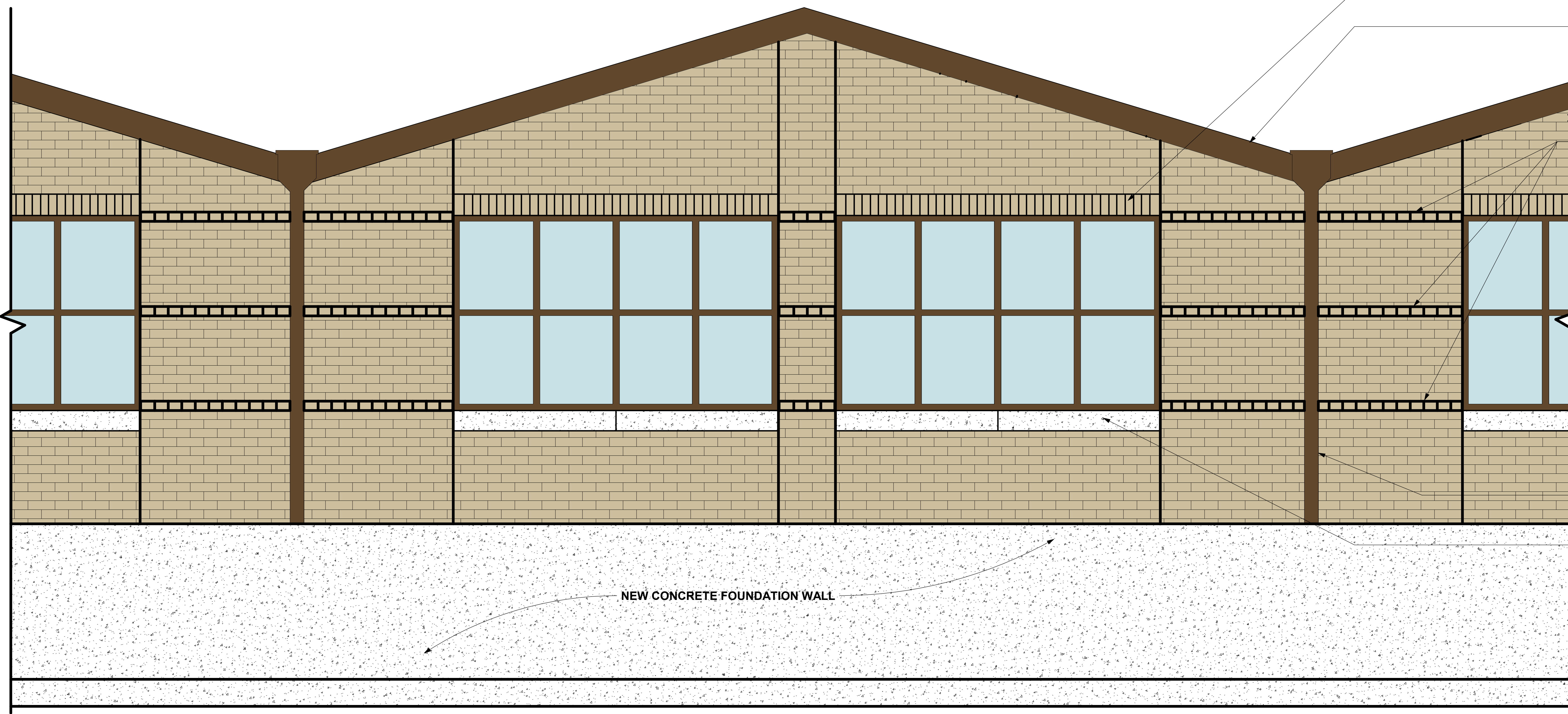
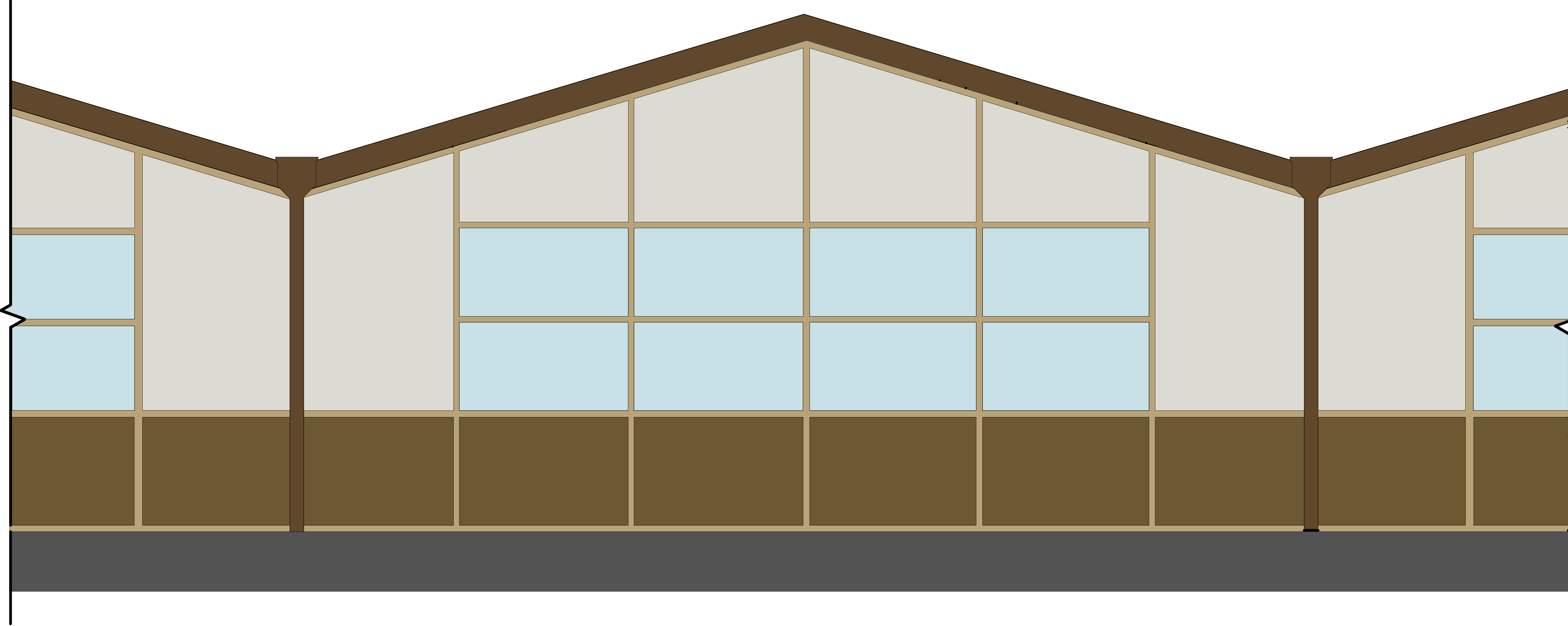


EXISTING EAST ELEVATION

SEE FOLLOWING SHEET FOR ENLARGED ELEVATION AND WALL SECTION



NEW EAST ELEVATION



SOLIDER COURSE ABOVE ALUMINUM STOREFRONT
 EXISTING COPING TO REMAIN
 (3) BRICK REVEALS
 DOWNSPOUT
 PRECAST SILL

NEW CONCRETE FOUNDATION WALL







AGENDA SUMMARY SHEET

Agenda Item: Approval of Contract for the Millard West High School Black Box Lighting Replacement

Meeting Date: November 6, 2023

Background/Description: This is a summer project funded with the proceeds from the 2020 bond issue.

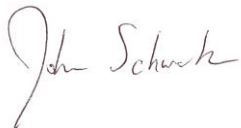
A representative from Morrissey Engineering will be present to answer any questions.

Action Desired: It is recommended that the contract for the Millard West High School Black Box Lighting Replacement be awarded to Downs Electric in the amount of \$477,700 and that the Chief Financial Officer be authorized to execute any and all documents related to such project.

Policy / Strategic Plan Reference: n/a

Responsible Person(s): Chad Meisgeier, Chief Financial Officer

Superintendent's Signature:



October 25, 2023

Millard Public Schools
5606 South 147th Street
Omaha, NE 68137

Attn: Jeremy Madson

Project #23429: Millard West Theater Lighting Upgrade
RE: Bid Proposals dated October 25, 2023

Mr. Madson:

Bids were received for the Millard West High School Theater Lighting Upgrade at MPS Support Services Center on January 11th, 2023 at 9:00 a.m. Per the attached bid tab, one bid was received from Downs Electric in the Amount of \$477,700.

The total bid amount of \$477,700 is within the project estimate of \$500,000.

Downs electric has successfully completed many projects for Millard Public Schools, including the Millard West Auditorium Theater Lighting project last summer that is a shared Theatrical Lighting Control System.

Downs Electric indicated on their Bid Proposal they would finish by August 2nd, 2023 per the specifications.

Please advise if you require any additional information.

Sincerely,



Andrew Lang, PE

Enclosure

PROJECT: MPS Millard West Theater Lighting Upgrade

BID DATE: 10/25/2023

BID TIME: 2:00 PM

MEI PROJECT NO.: 23429



BID TABULATION

BIDDERS	Base Bid			Bid Bond	Comments
Downs Electric	\$477,700			Y	

Bids to replace the existing Theater Lighting at Millard West High School as described in construction documents dated 10/06/23

AGENDA SUMMARY SHEET

Agenda Item: Human Resources

Meeting Date: November 6, 2023

Background

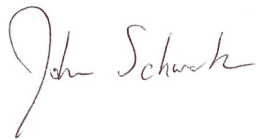
Description: Personnel Items: (1) Hiring Agenda, (2) Resignation Agenda, (3) Voluntary Separation Program (VSP), (4) Leave of Absence

Action Desired: Approval

**Policy /
Strategic Plan Reference:** N/A

Responsible Person(s): Dr Kevin Chick
Associate Superintendent of Human Resources

Superintendent's Signature



November 6, 2023

TEACHER RECOMMENDED FOR HIRE

Recommend: The following teachers be hired for the 2023-2024 school year:

1. Joree E. Wood – BA – University of Nebraska, Lincoln. Elementary teacher starting January 3, 2024.
2. Elizabeth A. Walsh – MA – Creighton University. Elementary teacher starting January 3, 2024.
3. Jackson L. Coleman – BA – University of Nebraska, Omaha. Elementary teacher starting January 3, 2024.
4. RaeAnn M. Latko – MA – Western Illinois University. Spanish teacher at Millard South High School starting January 3, 2024. Previous Experience: Rock Island-Milan School District, IL (2022-2023), Rockridge, IL Public Schools (2013-2022), Moline, IL Public Schools (2009-2010), Chicago, IL Public Schools (2003-2008)

Recommend: The following teachers be hired for the 2024-2025 school year:

1. Jessica L. Day – MA+36 – University of Nebraska, Kearney. Social Studies teacher at Millard South High School for the 2024-2025 school year. Previous Experience: Kearney Public Schools (2006-present), Millard Public Schools (2003-2006 and 2000-2001)

November 6, 2023

RESIGNATIONS

Recommend: The following resignation(s) be accepted:

1. Morgan P. Prochnow – Speech Language Pathologist at Neihardt Elementary School. Resigned effective immediately because of family relocation.
2. Sharon A. Brisson-Schnitker – School Nurse at Millard South High School. Retiring at the end of the 2023-2024 school year.
3. Cynthia Barr-McNair – Special Education teacher at Cottonwood Elementary School. Retiring at the end of the 2023-2024 school year.
4. Jody E. Carhart – Grade 4 teacher at Ackerman Elementary School. Retiring at the end of the 2023-2024 school year.
5. Paul A. Gabel – Counselor at Millard North High School. Retiring at the end of the 2023-2024 school year.
6. Daryl D. Jahn – Science teacher at Millard North High School. Retiring at the end of the 2023-2024 school year.
7. Barbara T. Mertz – Art teacher at Central Middle School. Retiring at the end of the 2023-2024 school year.
8. Jodi J. Messerole – Resource teacher at Norris Elementary School. Retiring at the end of the 2023-2024 school year.
9. Diane E. Reiners – MEP for Millard Public Schools. Retiring at the end of the 2023-2024 school year.
10. Kristi L. Richling – Speech Language Pathologist at Black Elk Elementary School. Retiring at the end of the 2023-2024 school year.
11. Gwen E. Fox – Math teacher at Millard West High School. Retiring at the end of the 2023-2024 school year.
12. Marilyn B. Kerkhove – Reading teacher at Millard West High School. Retiring at the end of the 2023-2024 school year.
13. Lula K. McCaskill – Social Studies teacher at Millard South High School. Retiring at the end of the 2023-2024 school year.
14. Jacquie M. Welch – Science teacher at Millard South High School. Retiring at the end of the 2023-2024 school year.
15. Amanda J. Hartz – Principal at Hitchcock Elementary School. Retiring at the end of the 2023-2024 school year.
16. Matthew J. Gurnett – Grade 5 teacher at Holling Heights Elementary School. Retiring at the end of the 2023-2024 school year.
17. Kristen L. Lichty – Family and Consumer Science teacher at Millard South High School. Resigning at the end of the 2023-2024 school year for a teaching position with Bennington Public Schools.

18. Ashton B. Simon – Special Education ACP teacher at Wheeler Elementary School. Resigning at the end of the 2023-2024 school year to take a teaching position with Papillion La Vista Community Schools.
19. Patricia A. McGregor – Grade 5 teacher at Wheeler Elementary School. Retiring at the end of the 2023-2024 school year.

November 6, 2023

Voluntary Separation Program (VSP)

Recommend: The following qualified candidates be approved to participate in the District's Voluntary Separation Program.

1. Daryl D. Jahn – Science teacher at Millard North High School
~ 30 years of service
2. Marilyn B. Kerkhove – Reading teacher at Millard West High School
~ 24 years of service
3. Kristi L. Richling – Speech Language Pathologist for Millard Public Schools
~ 29.2 years of service
4. Jody E. Carhart – Grade 4 teacher at Ackerman Elementary School
~ 34 years of service
5. Barbara T. Mertz – Art teacher at Central Middle School
~ 30 years of service
6. Diane E. Reiners – MEP Facilitator for Millard Public Schools
~ 21 years of service
7. Mark C. Chavez – Physical Education teacher at Millard North High School
~ 29.3 years of service

November 6, 2023

LEAVE OF ABSENCE

Recommend: The following Leave of Absence be accepted:


1. Hailee J. Heatherington – Science teacher at Russell Middle School. Requesting a Leave of Absence for personal reasons for the 2023-2024 school year.

AGENDA SUMMARY SHEET

Agenda Item: Summer School Report

Meeting Date: November 6, 2023

**Background/
Description:**

<p>2393 Students attended MPS Summer School in 2023. 2475 attended in 2022.</p>	<p>248 Middle School mathematics and reading courses were taken in the new 5-week format</p>
<p>35% Of all summer school students qualified for free or reduced priced meals.</p>	<p>#BeKind MILLARD PUBLIC SCHOOLS</p>
<p>23 Students Graduated</p>	<p>Courses taken in 2023: 3840 3855 courses taken in 2022</p>
	<p>215 English Learners took summer courses in 2022</p>

Action Desired: Information Only

Policy/Strategic Plan Reference:

We will always operate safe, caring, and supportive environments to ensure student learning.

Responsible Persons: Heather Phipps, Andy DeFreece, Tony Weers, Kara Hutton

Superintendent's Signature:



2023 Summer School Data

	Elementary SLAM ³			STEM Academy			Middle School			High School		
	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021 ⁴	2022	2023
Courses Held	23	22	22	19	19	18	25	28	26	36	39	36
Sections Held	81	103	118	28	28	28	27	63	60	59	57	53
Students Enrolled	770	643	688	666	651	587	429	494	428	870	687	690
Course Enrollments	1407	1170	1262	666	651	587	591	1007	940	1126	1027	1051
In-District Tuition	\$0	\$0	\$0	\$155	\$155	\$155	\$155	\$175 ¹	\$175¹	\$175	\$175 ¹	\$175¹
Out-of-District Tuition \$	\$0	\$0	\$0	\$205	\$205	\$205	\$205	\$230 ²	\$230²	\$230 ²	\$230 ²	\$230²
Out-of-District Students	0	0	0	6	17	22	6	10	11	11	9	12
Free/Reduced Students	269	290	338	125	138	116	98	153	177	228	196	196
Graduates										16	19	23
MS	1 In-district tuition rate of \$175 for 5 week classes. In-district tuition rate of \$134 for 1 week class. 2 Out-of-district tuition rate for 5 week class was \$230. Out-of-district tuition rate for 1 week class was \$160.											
HS	1 In-district tuition rate of \$175 for 5 week classes. In-district tuition rate of \$140 for 1 week class. 2 Out-of-district tuition rate for 5 week class was \$230. Out-of-district tuition rate for 1 week class was \$165. 4 Does not include Credit Recovery Academy. See report for details											
SLAM	3 Full-day, 5-week program. There were two locations, Bryan and Neihardt.											

Summer School Tuition						
	2021		2022		2023	
	Resident	Non-Resident	Resident	Non-Resident	Resident	Non-Resident
Elementary SLAM	NA	NA	\$0	NA	\$0	NA
Elementary STEM	\$155	NA	\$155	\$205	\$155	\$205
Middle School	\$155	NA	\$155	\$205	\$175	\$230*
Middle School 1 Week Course	\$134	NA	\$134	\$160	\$134	\$134
High School	\$175	NA	\$175	\$230	\$175	\$230
High School 3 Week Course	\$155	NA	\$155	\$205	\$155	\$205
High School 1 Week Course	\$140	NA	\$140	\$165	\$140	\$165

*Middle school is now a 5 week format.

- In 2023 there were 838 course enrollments in Elementary STEAM, middle school and high school for students who qualified for free or reduced price lunches. This was 32.5% of all course enrollments for the three programs. In addition, 688 students participated in the Elementary SLAM program and 338, or 49%, were eligible for free or reduced price lunch.

ELEMENTARY SUMMER LITERACY AND MATHEMATICS (SLAM)-Neihardt Elementary

Summary Information

Location:	Neihardt Elementary
Dates:	June 12 - July 13, M-Th
Time:	8:00-3:30
Administrators:	John Deeney, Monica Vavak
Counselor	1
Behavior Support	1
Total Number of Students:	400
AM only	84
Full-Day	316
Summer Foundations(ACP)	16

The following Reading and Math courses (sections) were held during the 5-week summer session:

Reading and Math Skills Kg (5)	Reading and Math Skills 4 (4)
Reading and Math Skills 1 (8)	EL Reading and Math Skills (2)
Reading and Math Skills 2 (8)	
Reading and Math Skills 3 (5)	

Afternoon Enrichment courses included:

Engineering-Bubbles	Art and Culture	Engineering-Windmills
Rubik's Cube and Puzzles	Spanish	Music and Movement
Drawing and Drama	Drama	Engineering-Play Dough
Claymation	Earth Habitats	Computer Coding
	Puzzles and Logic	

Points of Special Note:

- Students were invited to participate in the SLAM program based on student data in reading and mathematics. Leveled Literacy Intervention was the curriculum used for reading intervention with foundational skills support from the University of Florida Literacy Institute (UFLI). Zearn Math was used for mathematics.
- Average class size was 12.
- 688 students participated in the elementary SLAM. This is 28.7% of the students invited to attend.
- 161 students, or 40%, were eligible for free or reduced priced meals.
- 65 English Learners (16%) participated in SLAM at Neihardt.
- 159, or 40%, of students attending were students with a disability. This is an increase from 24% in 2022.
- The counselor provided student and family support along with lessons and activities to support social and emotional learning.
- All students in enrichment had one period of engineering and one other course related to fine arts, technology, or Spanish.

- Students from the following schools attended SLAM at Neihardt: Abbott, Aldrich, Ackerman, Black Elk, Disney, Hitchcock, Reagan, Reeder, Rockwell, Rowher, Sandoz, Upchurch, Wheeler, Willowdale, and Neihardt.
- The average daily attendance was 84.47%.

ELEMENTARY SUMMER LITERACY AND MATHEMATICS (SLAM)-Bryan Elementary

Summary Information

Location:	Bryan Elementary
Dates:	June 12 - July 13, M-Th
Time:	8:00-3:30
Administrators:	Megan Geerts, Mib Schinzel
Counselors	1
Behavior Support	1
Total Number of Students	298
AM only	50
Full-Day	248
Summer Foundations (Behavior)	10

The following Reading and Math courses (sections) were held during the 5-week summer session:

Reading and Math Skills Kg (4)	Reading and Math Skills 3 (4)
Reading and Math Skills 1 (6)	Reading and Math Skills 4 (5)
Reading and Math Skills 2 (7)	Montessori (2)

Afternoon Enrichment courses included:

Engineering-Bubbles	Spanish	What's Your Canvas
Designing Windmills	Drama and Readers	Music and Movement
Puzzles	Theater	Computer Coding
Drawing and Drama	Earth Habitats	
Claymation	Puzzles and Logic	

Points of Special Note:

- Students were invited to participate in the SLAM program based on student data in reading and mathematics. Leveled Literacy Intervention was the curriculum used for reading intervention with foundational skills support from the University of Florida Literacy Institute (UFLI). Zearn Math was used for mathematics.
- Average class size was 9.
- 177 students, or 59%, were eligible for free or reduced priced meals.
- 52 (17%) English Learners participated in SLAM at Bryan.
- 36% of students attending were students with a disability.
- The counselor provided student and family support along with lessons and activities to support social and emotional learning.
- All students in enrichment had one period of engineering and one other course related to fine arts, technology, or Spanish.

- Students from the following schools attended SLAM at Bryan: Cather, Cody, Cottonwood, Ezra, Harvey Oaks, Holling Heights, Montclair, Morton, Norris, and Bryan.
- The average daily attendance was 86.71% .

Elementary STEAM Academy

Summary Information

Location: Black Elk Elementary
 Dates: June 12-June 29, Monday-Thursday
 Time: 8:30-11:50
 Administrator: Vicki Pribil, Lindsey Holes
 Number of Students: 587

The following 15 courses (sections) were held during the 3-week summer session

Bubble Bonanza (2)	Science of Magic
Science of the Senses	Digital Programming and Storytelling (2)
Intro to Computer Coding and Robotics (2)	Animation Station
Lego Technics and Math Applications (3)	The Sky's the Limit
Earth Habitats (2)	Google Expedition
Computer Coding and Robotics (2)	Invent-an-App
Computer Coding and Robotics L2	Roving Reporter/Learning with Green Screen
Learning with Minecraft (3)	Innovation in 3D
Rockets and Rovers	Problem Solving in a Makerspace
Claymation Movie Making	

Points of Special Note:

- On average, 93.25% of enrolled students were in attendance.
- Average class size was 21 students.
- 116, or 20%, of students who attended were eligible for free or reduced priced meals. In 2022, 21% were eligible for free or reduced-priced meals.
- 13 English Language Learners attended the STEAM Academy.
- The STEAM Academy Technology Facilitator offered frequent sessions so that students and teachers could see new apps or activities in action. Topics covered included:

○ Keep Omaha Beautiful	○ Build Bots
○ Biology (Owl Pellets)	○ Omaha Public Library
○ Rubik's Cube	○ Science of Weather
○ Osmos	○ Pitch and Music
○ OPPD lessons	

MIDDLE SCHOOL SUMMER SCHOOL

Summary Information

Location:	Millard North Middle School
Dates:	June 12 - July 13, Monday-Thursday
Time:	7:45-11:30, 11:35-3:15
Administrator:	Chelsy Cary, Shannon Janicek
Counselor:	1
Number of Sections:	60
Number of Students:	428
Number of Course Enrollments:	940

The following courses (sections) were held during the 5 week summer session

6 Grade Reading and Writing (5)	Computer Coding and Robotics (2)
7 Grade Reading and Writing (3)	App Inventor (2)
8 Grade Reading and Writing (2)	Virtual Explorations (2)
English Learners (1)	Cool Chemistry (4)
6 Grade Math Skills and Applications (5)	Entrepreneurship
7 Grade Math Skills and Applications (4)	Exploring Engineering (2)
8 Grade Math Skills and Applications (2)	Forensic Science (3)
6 Grade Prep for IM III	Minecraft for Middle School (4)
6 Grade Prep for IM II	Wildlife Safari
Archery and Orienteering (2)	English Language Learners
Art Expressions (3)	Babysitting Basics (3)
Be Cool in Middle School (2)	Sports for All (2)
Drama (2)	

Points of Special Note:

- The middle school program expanded to 5 weeks in 2022. Students participating in the Reading and Math Skills and Applications courses were invited based on student MAP data. These students were not charged tuition.
- Three classes were canceled due to low enrollment; Foods and Textiles for Teens, Intro to Photojournalism and Computer Coding Level 2. Unplugged (guitar) was canceled due to the inability to find an instructor.
- Students took 248 five-week remedial reading and mathematics courses. This is 24.2% of the students invited to participate.
- Students participating in STEM courses took one course the first 2 1/2 half weeks and a second course the final 2 1/2 weeks in order to equal 5 weeks. Tuition of \$175 was for 5 weeks or the two courses. If not taking a reading or math course, students could take 2 or 4 STEM courses.

- The number of courses taken which qualified for tuition waivers due to students qualifying for free or reduced price lunch was 352. This is 37.4% of all middle school courses taken in 2023, compared to 31% in 2022.
- 209 incoming sixth grade students accounted for 463 course enrollments or 49% of all middle school course enrollments.
- The English Learner course is for Level 1, or beginning English Learners. Sixteen middle level students participated in 2023.
- Average class size was 16 students.
- The average daily attendance rate was 97.26%.

HIGH SCHOOL SUMMER SCHOOL

The high school program offers students the opportunity to repeat courses they have not yet passed, to take courses that may be difficult to schedule during the regular school year, to take courses out of interest, or to work towards completion of graduation requirements.

Summary Information:

Location:	Millard North High School
Dates:	June 12-July 14, Monday-Friday
Time:	7:45-10:50, 11:25-2:30
Administrator:	Aaron Willems, Scott Gibson
Number of Students:	690
Number of Course Enrollments:	1051
Students with 1 Course:	333
Students with 2 Courses:	354
Students with 3 or more in Credit Recovery	3

The following courses were held during the 5 week summer session: (number of sections)

English 9, 1 st and 2 nd semester (1 ea)	US History, 1 st and 2 nd semester (1 ea)
English 10, 1 st and 2 nd semester (1 ea)	World History, 1 st and 2 nd semester (1 ea)
Speech (2)	Personal Finance (2)
Creative Writing (2)	Intro to Foods and Nutrition (1)
Algebra I, 1 st and 2 nd semester (2 ea)	Healthy Living (4)
Geometry, 1 st and 2 nd semester (2 ea)	Art Foundations (1)
Algebra II, 1 st and 2 nd semester (1 ea)	Color and Design (1)
Biology, 1 st and 2 nd semester (1 ea)	Sport Skills and Fitness (3)
Physical Science: Physics (1)	Cross Training (2)
Physical Science: Chemistry (1)	Lifetime Fitness (3)
Environmental Science (1)	English Learners (1)
US Government & Economics (34)	ACT Prep (one week)
Human Diversity (1)	
World Geography (1)	

The courses below were offered in the spring, but canceled due to low enrollment:

Algebra Skills and Applications
Step Up to High School

The following courses had low enrollment but were offered via Odysseyware.

Alg I: Foundations I 1st and 2nd Semester
Alg I/Geo Foundations 2 1st and 2nd Semester

Points of Special Note:

- The number of courses taken which qualified for tuition waivers due to students qualifying for the free or reduced-price lunch program was 370. This is 35% of all high school courses taken, compared to 30 % in 2022. .
- 167 courses were taken for credit recovery which is 16% of all courses taken.
- In 2023 there were 19 beginning EL high school students who took the English Learner course.
- There were 23 students who completed their graduation requirements during the summer and received their diploma on July 14, 2023.
- 245 students participated in 8 sections of physical education. PE enrollments accounted for 23% of all high school course enrollments.
- Other popular courses include Speech, Personal Finance and Healthy Living, with student enrollments of 44, 53 and 94 respectively.
- Students received a grade of 2 or above on 74% of the courses taken for credit in 2023.

2023 HS Summer School Grade Distribution						
1	2	3	4	5	Inc.	Not Graded*
623	155	130	94	34	0	15

*ACT Prep course

- The number of courses failed in Summer School 2021 was 34. These failures are 3.3% of all courses taken for credit.
- Student participation by school

School	Number of students
Millard North High School	376
Millard South High School	174
Millard West High School	115
Horizon High School	13

- The average daily attendance rate was 96.32%.

AGENDA SUMMARY SHEET

Agenda Item: Enrollment Report (as of October 2, 2023)

Meeting Date: November 6, 2023

Background/

Description: Enrollment data will be pulled four times over the course of the school year reported to the Millard Board of Education for public record. Enrollment data is stored in our student information system, Synergy.

Action Desired: Information / Discussion

Policy /

Strategic Plan

Reference:

Responsible Person(s): Dr. Darin Kelberlau and Missy Manchester

Superintendent's Signature:

A handwritten signature in black ink that reads "John Schwartz". The signature is written in a cursive style with a large initial "J".

**October 2, 2023
Millard Public Schools
Total Enrollment**

Elementary	K	1	2	3	4	5	Option In	SpEd		Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment
								SBS Prgm	Cluster Prgm				
Abbott (4 unit)	64	67	71	91	80	77	156			450	0	-	434
Ackerman (4 unit)	72	71	69	84	73	97	31		13	479	-2	-	469
Aldrich (4 unit)	63	67	72	69	76	87	115			434	-1	-	437
Black Elk (4 unit)	95	92	100	92	95	94	21			568	-1	-	595
Bryan (3 unit)	58	49	60	50	64	58	24			339	-4	-	338
Cather (3 unit)	41	45	52	58	43	55	86			294	2	-	321
Cody (2 unit)	35	34	38	29	29	35	40		16	216	1	-	214
Cottonwood (3 unit)	41	54	51	52	55	69	36		21	322	-7	-	346
Disney (2 unit)	52	58	70	54	59	50	38		16	359	-6	-	365
Ezra Millard (4 unit)	61	88	86	84	73	71	248			463	3	-	483
Harvey Oaks (2 unit)	45	47	46	42	61	48	18		1	290	1	-	290
Hitchcock (2 unit)	34	31	33	50	37	41	50			226	-2	-	244
Holling Heights (3 unit)	49	49	51	57	55	55	11		13	316	2	-	310
Montclair (4 unit)	83	93	86	84	99	79	88			524	-5	-	506
Morton (3 unit)	55	59	73	60	67	49	31		14	377	1	-	372
Neihardt (4 unit)	59	70	74	67	77	74	20			421	5	-	471
Norris (3 unit)	64	73	66	71	67	61	38			402	1	-	376
Reagan (4 unit)	59	72	87	72	67	88	14			445	3	-	491
Reeder (4 unit)	84	70	78	83	71	90	19			476	1	-	479
Rockwell (2 unit)	40	29	37	38	37	37	9		16	234	1	-	236
Rohwer (4 unit)	56	62	73	74	80	91	20		13	449	-3	-	453
Sandoz (3 unit)	39	50	48	52	38	58	22			285	-4	-	299
Upchurch (3 unit)	67	57	65	61	90	53	21			393	0	-	388
Wheeler (4 unit)	87	83	101	111	124	100	25		15	621	-1	-	641
Willowdale (4 unit)	52	65	94	82	93	78	10			464	0	-	492
Totals	1455	1535	1681	1667	1710	1695	1191		104	9,847	-15	-	10,050

Middle	6	7	8	SpEd Prgm*	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment
Andersen MS	310	300	296	51	906	1	-	908
Beadle MS	337	314	353	22	1004	0	-	1012
Central MS	254	279	243	79	776	-4	-	822
Kiewit MS	331	311	314	276	956	-7	-	954
North MS	270	266	271	182	807	-10	-	789
Russell MS	219	278	239	49	736	2	-	780
Totals	1721	1748	1716	659	5,185	-18	-	5,265

High	Grads YTD	9	10	11	12	SpEd Prgm*	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	
North HS		620	641	613	580	582	23	2454	-28	-	2492
South HS		641	639	605	560	255	27	2445	-40	-	2501
West HS		569	583	537	553	162	26	2242	-9	-	2244
Horizon HS		0	5	21	101	14	0	127	16	-	125
Totals		1830	1868	1776	1794	1013	76	7,268	-61	-	7,362

***SpEd Program Included in MS/HS Grade Level totals**

Contracted SpEd	77	6	-	64
Rule 18 Interim	14	3	-	13
Young Adult & Project Search	64	-3	-	71
Ombudsman (Primary)	24	10	-	14
Total District K-12	22,479	-78	-	22,839
Total District PreK-12**	23,315	-9	-	23,673

Itinerant, Contracted, & Home Visit Pre-K in Oct 1, 2022 Enrollment: **135

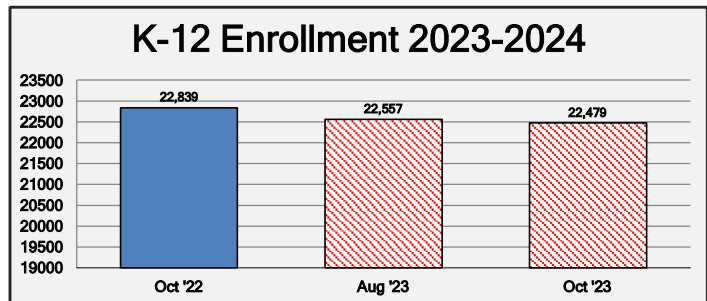
Itinerant, Contracted, & Home Visit Pre-K in Current Enrollment: **128

Preschool	SpEd	Not SpEd	Total	Oct 01, 2022
Bryan	9	24	33	32
Cody	32	38	70	77
Disney	13	10	23	16
Harvey Oaks	26	18	44	44
Holling Heights	5	12	17	13
Montclair Montessori	5	80	85	78
Neihardt	24	31	55	57
Norris Montessori	1	23	24	39
Reagan	25	19	44	45
Reeder	28	19	47	41
Rockwell	40	49	89	67
Sandoz	20	21	41	38
Homebased Infants	136	0	136	152
TOTAL			708	699

Career Academies	NHS	SHS	WHS	HHS	TOTAL
Education	10	20	15		45
Entrepreneurship	7	8	31		46
Health Sciences	29	17	69		115
Dist/Log Mgmt	13	4	8		25
STEM	6	4	22		32
MCC	12	26	23		61
Ombudsman (Primary and Secondary Assignment)					24

10/2/2023	
Elementary	9,847
Middle School	5,185
High School	7,268
Contracted & Rule 18	91
Young Adult	64
Ombudsman (Primary)	24
TOTAL	22,479

10/1/2022	
Elementary	10,050
Middle School	5,265
High School	7,362
Contracted & Rule 18	77
Young Adult	71
Ombudsman (Primary)	14
TOTAL	22,839



Elementary		Classroom Enrollment						Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd/SBS					
	K	1	2	3	4	5											
Abbott	22	22	24	24	21	26											
	23	22	24	24	20	25											
	19	23	23	23	20	26											
				20	19												
Total Students	64	67	71	91	80	77	450	0	-	434	450						
Total Teachers	3	3	3	4	4	3	20				20						
Classroom Avg	21.3	22.3	23.7	22.3	20.3	25.7	22.5				22.5						
	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment						
Ackerman	24	22	23	23	18	24	8										
	24	24	24	20	17	24	5										
	24	25	22	22	19	24											
				19	19	25											
Total Students	72	71	69	84	73	97	13	479	-2	-	469						
Total Teachers	3	3	3	4	4	4	2	23			21						
Classroom Avg	24.0	23.7	23.0	21.0	18.3	24.3	6.5	20.8			22.2						
	K	1	2	3	4	5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment							
Aldrich	21	23	24	23	26	22											
	21	22	24	23	25	22											
	21	22	24	23	25	22											
						21											
Total Students	63	67	72	69	76	87	434	-1	-	437							
Total Teachers	3	3	3	3	3	4	19										
Classroom Avg	21.0	22.3	24.0	23.0	25.3	21.8	22.8										
	K	1	2	3	4	5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment							
Black Elk	25	23	25	23	23	23											
	24	24	25	23	23	24											
	23	23	25	23	25	23											
	23	22	25	23	24	24											
Total Students	95	92	100	92	95	94	568	-1	-	595							
Total Teachers	4	4	4	4	4	4	24			24							
Classroom Avg	23.8	23.0	25.0	23.0	23.8	23.5	23.7			23.7							
	K	1	2	3	4	5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment							
Bryan	20	15	20	17	22	20											
	18	18	19	16	20	20											
	20	16	21	17	22	18											
Total Students	58	49	60	50	64	58	339	-4	-	338							
Total Teachers	3	3	3	3	3	3	18			18							
Classroom Avg	19.3	16.3	20.0	16.7	21.3	19.3	18.8			18.8							
	K	1	2	3	4	5	C-K	C-1	C-2	C-3	C-4	C-5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	
Cather							14	16	15	21	15	18					
							14	15	18	19	15	18					
							13	14	19	18	13	19					
Total Students							41	45	52	58	43	55	294	2	-	321	
Total Teachers							3	3	3	3	3	3	18			18	
Classroom Avg							13.7	15.0	17.3	19.3	14.3	18.3	16.3			16.3	
	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment						
Cody	18	17	20	14	14	18	8										
	17	17	18	15	15	17	8										
Total Students	35	34	38	29	29	35	16	216	1	-	214						
Total Teachers	2	2	2	2	2	2	2	14			12						
Classroom Avg	17.5	17.0	19.0	14.5	14.5	17.5	8.0	15.4			16.7						
	K	1	2	3	4	5	SBS Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment						
Cottonwood	19	15	21	18	26	20	7										
	19	17	24	15	25	23	7										
		18		17		24	7										
Total Students	38	50	45	50	51	67	21	322	-7	-	346						
Total Teachers	2	3	2	3	2	3	3	18			15						
Classroom Avg	19.0	16.7	22.5	16.7	25.5	22.3	7.0	17.9			20.1						
	K	1	2	3	4	5	C-K	C-1	C-2	C-3	C-4	C-5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment
Disney	19	19	24	19	20	16	15	20	22	18	16	18	9				
	18	19	24	17	23	16							7				
Total Students	37	38	48	36	43	32	15	20	22	18	16	18	16	359	-6	-	365
Total Teachers	2	2	2	2	2	2	1	1	1	1	1	1	2	20			18
Classroom Avg	18.5	19.0	24.0	18.0	21.5	16.0	15.0	20.0	22.0	18.0	16.0	18.0	8.0	18.0			19.1

Elementary Classroom Enrollment							Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
	K	1	2	3	4	5					
Ezra Millard	19	23	22	21	25	24					
	21	22	20	21	23	23					
	21	21	22	21	25	24					
		22	22	21							
Total Students	61	88	86	84	73	71	463	3	-	483	463
Total Teachers	3	4	4	4	3	3	21				21
Classroom Avg	20.3	22.0	21.5	21.0	24.3	23.7	22.0				22.0

	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Harvey Oaks	22	23	23	21	19	25	1					
	23	24	23	21	21	23						
					21							
Total Students	45	47	46	42	61	48	1	290	1	-	290	289
Total Teachers	2	2	2	2	3	2	1	14				13
Classroom Avg	22.5	23.5	23.0	21.0	20.3	24.0	1.0	20.7				22.2

	K	1	2	3	4	5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Hitchcock	17	15	16	25	18	21					
	17	16	17	25	19	20					
Total Students	34	31	33	50	37	41	226	-2	-	244	226
Total Teachers	2	2	2	2	2	2	12				12
Classroom Avg	17.0	15.5	16.5	25.0	18.5	20.5	18.8				18.8

	K	1	2	3	4	5	SBS Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Holling Heights	14	17	16	17	18	17	7					
	17	14	17	16	15	19	13					
	16	16	15	19	16	17						
Total Students	47	47	48	52	49	53	20	316	2	-	310	296
Total Teachers	3	3	3	3	3	3	2	20				18
Classroom Avg	15.7	15.7	16.0	17.3	16.3	17.7		15.8				16.4

	K	1	2	3	4	5	M-K	M1-3	M4-5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Montclair	18	22	20	19	19	18	16	24	20					
	18	24	18	19	19	19	16	23	22					
					19		15	24	21					
								23	21					
								24						
								23						
Total Students	36	46	38	38	57	37	47	141	84	524	-5	-	506	524
Total Teachers	2	2	2	2	3	2	3	6	4	26				26
Classroom Avg	18.0	23.0	19.0	19.0	19.0	18.5	15.7	23.5	21.0	20.2				20.2

	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Morton	17	19	19	20	21	24	7					
	19	19	17	20	23	25	7					
	19	21	19	20	23							
			18									
Total Students	55	59	73	60	67	49	14	377	1	-	372	363
Total Teachers	3	3	4	3	3	2	2	20				18
Classroom Avg	18.3	19.7	18.3	20.0	22.3	24.5	7.0	18.9				20.2

	K	1	2	3	4	5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Neihardt	16	16	18	18	20	18					
	14	18	18	16	18	19					
	14	19	19	17	20	19					
	15	17	19	16	19	18					
Total Students	59	70	74	67	77	74	421	5	-	471	421
Total Teachers	4	4	4	4	4	4	24				24
Classroom Avg	14.8	17.5	18.5	16.8	19.3	18.5	17.5				17.5

	K	1	2	3	4	5	M-K	M1-3	M4-5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Norris	20	19	21	24	23	21	12	21	22					
	21	19	23	25	21	20	11	19	21					
		18						21						
Total Students	41	56	44	49	44	41	23	61	43	402	1	-	376	402
Total Teachers	2	3	2	2	2	2	2	3	2	20				20
Classroom Avg	20.5	18.7	22.0	24.5	22.0	20.5	11.5	20.3	21.5	20.1				20.1

	K	1	2	3	4	5	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd
Reagan	20	18	21	19	23	22					
	18	18	22	18	22	22					
	21	18	22	18	22	22					
		18	22	17		22					
Total Students	59	72	87	72	67	88	445	3	-	491	445
Total Teachers	3	4	4	4	3	4	22				22
Classroom Avg	19.7	18.0	21.8	18.0	22.3	22.0	20.2				20.2

Elementary Classroom Enrollment										Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	Class Size w/out SpEd		
Reeder	K	1	2	3	4	5										
	21	23	20	21	24	23										
	22	23	18	21	24	22										
	21	24	20	21	23	22										
	20	20	20	20	23											
Total Students	84	70	78	83	71	90				476	1	-	479	476		
Total Teachers	4	3	4	4	3	4				22				22		
Classroom Avg	21.0	23.3	19.5	20.8	23.7	22.5				21.6				21.6		
Rockwell	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment					
	20	15	18	19	19	18	8									
	20	14	19	19	18	19	8									
Total Students	40	29	37	38	37	37	16	234	1	-	236		218			
Total Teachers	2	2	2	2	2	2	2	14					12			
Classroom Avg	20.0	14.5	18.5	19.0	18.5	18.5	8.0	16.7					18.2			
Rohwer	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment					
	18	22	25	25	20	24	8									
	18	20	24	25	19	21	5									
	20	20	24	24	21	24										
Total Students	56	62	73	74	80	91	13	449	-3	-	453		436			
Total Teachers	3	3	3	3	4	4	2	22					20			
Classroom Avg	18.7	20.7	24.3	24.7	20.0	22.8	6.5	20.4					21.8			
Sandoz	K	1	2	3	4	5										
	14	17	16	18	13	20										
	14	17	16	18	12	19										
	11	16	16	16	13	19										
Total Students	39	50	48	52	38	58		285	-4	-	299		285			
Total Teachers	3	3	3	3	3	3		18					18			
Classroom Avg	13.0	16.7	16.0	17.3	12.7	19.3		15.8					15.8			
Upchurch	K	1	2	3	4	5										
	22	19	22	21	22	18										
	22	19	21	20	23	17										
	23	19	22	20	22	18										
Total Students	67	57	65	61	90	53		393	0	-	388		393			
Total Teachers	3	3	3	3	4	3		19					19			
Classroom Avg	22.3	19.0	21.7	20.3	22.5	17.7		20.7					20.7			
Wheeler	K	1	2	3	4	5	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment					
	23	22	21	22	25	24	8									
	21	20	21	21	25	26	7									
	22	20	19	23	24	25										
	21	21	20	23	25	25										
Total Students	87	83	101	111	124	100	15	621	-1	-	641		606			
Total Teachers	4	4	5	5	5	4	2	29					27			
Classroom Avg	21.8	20.8	20.2	22.2	24.8	25.0	7.5	21.4					22.4			
Willowdale	K	1	2	3	4	5										
	17	22	23	23	23	26										
	18	22	24	22	23	26										
	17	21	23	22	23	26										
Total Students	52	65	94	82	93	78		464	0	-	492		464			
Total Teachers	3	3	4	4	4	3		21					21			
Classroom Avg	17.3	21.7	23.5	20.5	23.3	26.0		22.1					22.1			
Elementary Totals										SBS Cluster	SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment	
Grade	K	1	2	3	4	5	M-K	M1-3	M4-5							
Students	1380	1465	1602	1592	1635	1629	70	202	127	41	104	9847	-15	-	10050	9702
Teachers	72	75	77	79	75	76	5	9	6	5	15	494				478
Classroom Avg	19.2	19.5	20.8	20.2	21.8	21.4	14.0	22.4	21.2	8.2	6.9	19.9				20.3
Andersen MS	6	7	8				SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment					
	310	300	296				0	906	1	-	908					
	337	314	353				19	1004	0	-	1012					
	254	279	243				16	776	-4	-	822					
	331	311	314				1	956	-7	-	954					
	270	266	271				20	807	-10	-	789					
	219	278	239				0	736	2	-	780					
Totals	1721	1748	1716				56	5185	-18	-	5265					
North HS	9	10	11	12			SpEd Cluster	Current Total	Current Change	Change since Oct 1	Oct 01, 2022 Enrollment					
		620	641	613	580		23	2454	-28	-	2492					
		641	639	605	560		27	2445	-40	-	2501					
		569	583	537	553		26	2242	-9	-	2244					
			5	21	101			127	16	-	125					
Totals		1830	1868	1776	1794		76	7268	-61	-	7362					
								Contracted SpEd	77	-	-	64				
								Rule 18 Interim	14	-	-	13				
								Young Adult & Project Search	64	-	-	71				
								Ombudsman (Primary Enrollment)	24	-	-	14				
								Total District Enrollment	22479	-94	-	22839				

AGENDA SUMMARY SHEET

Agenda Item: Graduating Class of 2023 ACT Report

Meeting Date: November 6, 2023

**Background/
Description:**

Graduating Class of 2023 (12th grade)

Millard students continue to outperform both the state and nation on national assessments. Millard graduating seniors' average composite score was 21.2. The state was 19.2 and the nation 19.5. Nebraska is one of a small number of states that give the ACT to almost every student. Nebraska (19.2) had the highest state composite score of those states that give ACT to 96% or more of their students.

For students taking the ACT multiple times, this report includes the "most recent" ACT score which is not necessarily their "highest score."

MPS District Average Composite Score

	Junior Class as of.... (11th grade)*	Graduating Class of.... (12 grade)**
2018-19	21.7	22.3
2019-20	21.4 [^]	22.1
2020-21	21.0	21.7
2021-22	20.8	21.5
2022-23	20.9	21.2

*April test score

**MOST RECENT test score

[^] Due to the pandemic this testing event occurred in the Fall of 2019 (senior year)

Action Desired: Information / Discussion

Strategic Plan

Reference: District Strategic Objective: The percentage of students participating in and performing at high levels on measures of national and/or international educational excellence will increase annually.

Responsible

Person(s): Dr. Darin Kelberlau

Superintendent's Signature:



Average ACT Scores for All Graduates

When reviewing national, state, and MPS comparison data, it is important to note that while more than 99% of Millard Public Schools and 96% of Nebraska students participate on the ACT, only 37% of students nationally are included in the results. Nebraska has the highest composite score average of any state with more than 95% of students taking the ACT.

Millard Public Schools

99% of students

	Number	English	Mathematics	Reading	Science	Composite
2018-19	1,842	22.2	21.5	22.7	22.3	22.3
2019-20	1,851	22.0	21.5	22.5	22.0	22.1
2020-21	1,640	20.8	21.0	22.5	21.9	21.7
2021-22	1,818	20.9	20.8	22.1	21.6	21.5
2022-23	1,751	20.8	20.5	21.6	21.3	21.2

Nebraska

96% of students

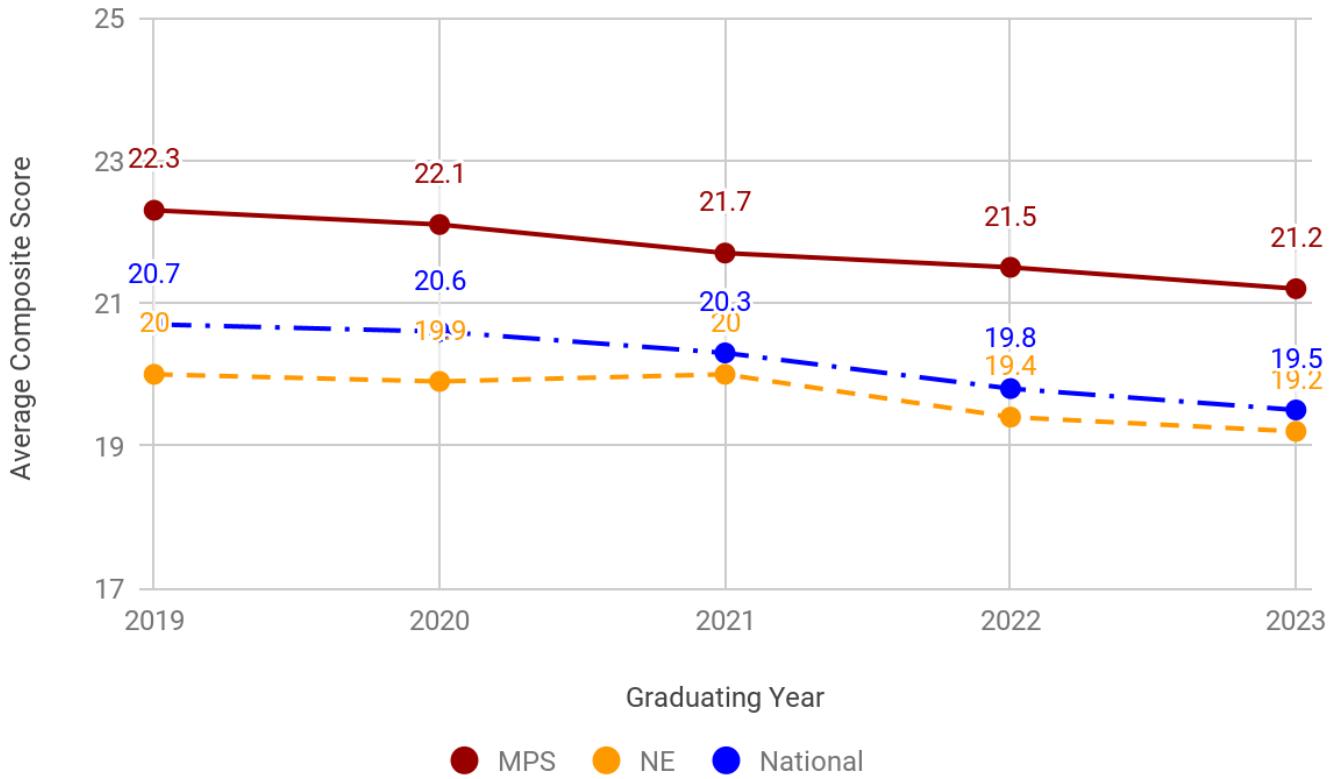
	Number	English	Mathematics	Reading	Science	Composite
2018-19	24,744	19.4	19.7	20.3	20.2	20.0
2019-20	24,973	19.2	19.7	20.2	20.0	19.9
2020-21	21,627	19.1	19.6	20.7	20.2	20.0
2021-22	24,370	18.6	19.1	19.8	19.6	19.4
2022-23	24,565	18.3	18.9	19.5	19.4	19.2

National

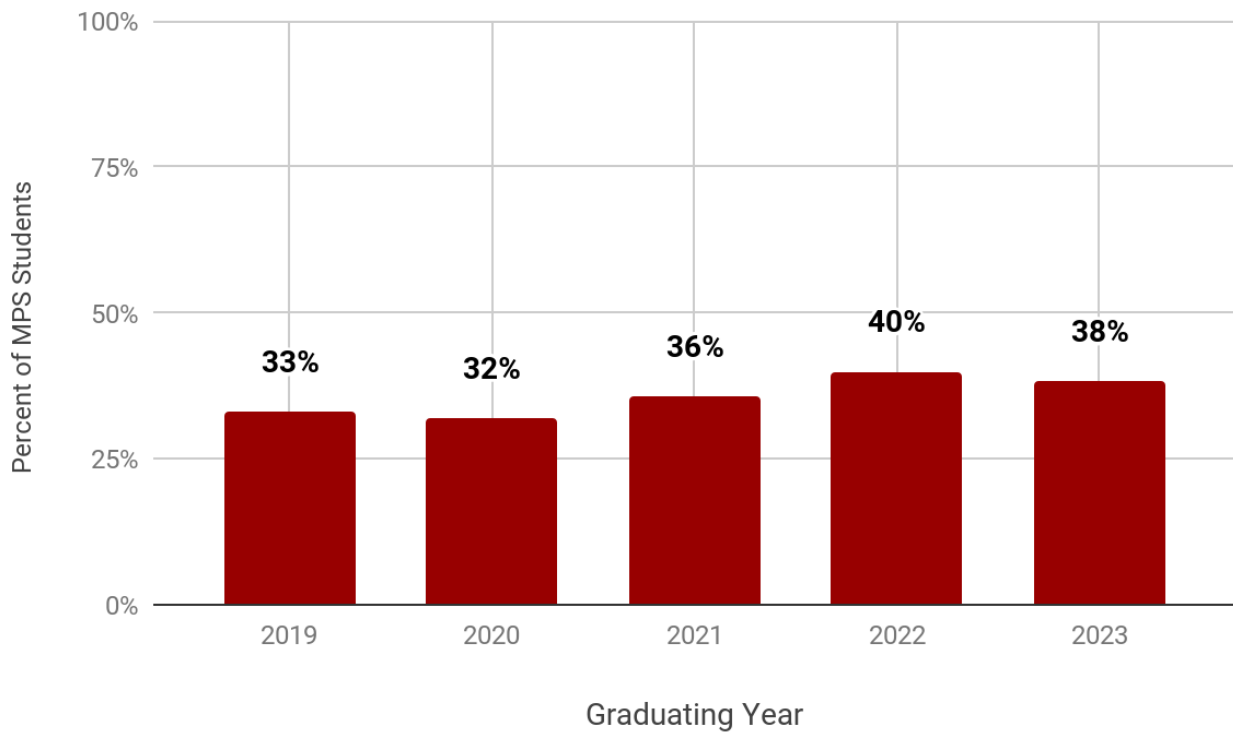
37% of students

	Number	English	Mathematics	Reading	Science	Composite
2018-19	1,782,820	20.1	20.4	21.2	20.6	20.7
2019-20	1,670,497	19.9	20.2	21.2	20.6	20.6
2020-21	1,295,349	19.6	19.9	20.9	20.4	20.3
2021-22	1,349,644	19.0	19.3	20.4	19.9	19.8
2022-23	1,386,335	18.6	19.0	20.1	19.6	19.5

ACT COMPOSITE SCORES MPS. vs. NE vs. NATIONAL

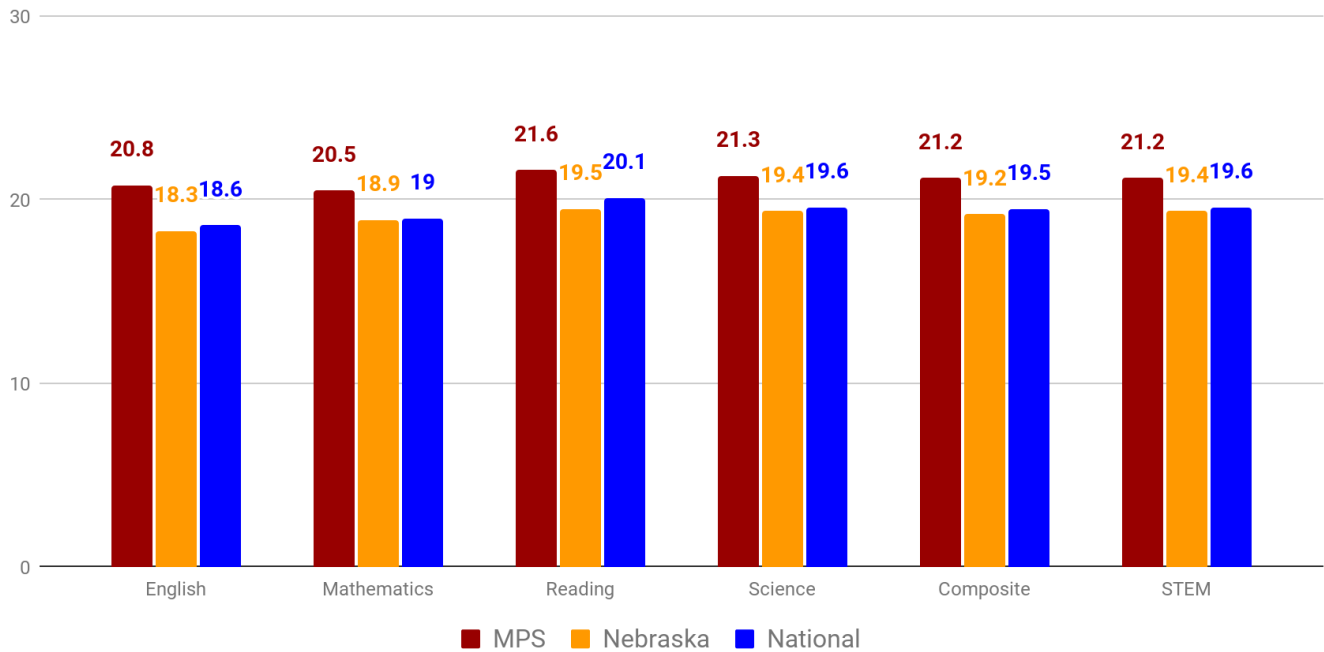


PERCENT OF MPS STUDENTS SCORING IN TOP QUARTILE NATIONALLY



COMPARISON OF ACT AVERAGE SCORES

MPS vs. NE vs. National

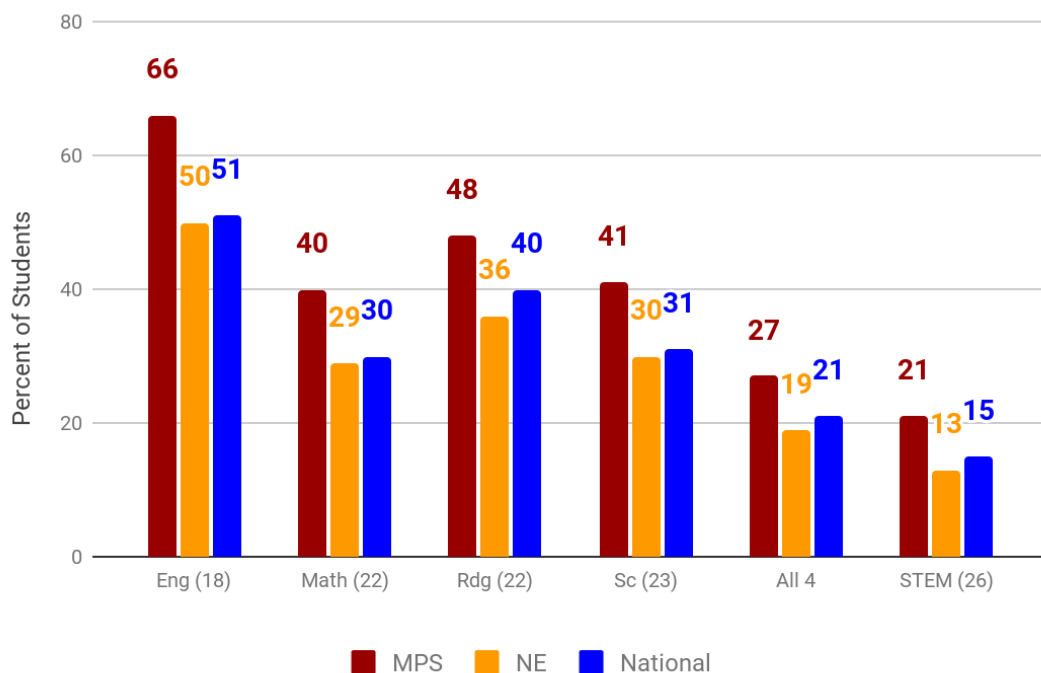


PERCENT OF STUDENTS MEETING ACT COLLEGE READINESS BENCHMARK SCORES

ACT College Readiness Benchmark score is the minimum score needed on an ACT subject-area test to indicate: 50% chance of obtaining a B or higher or 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

ACT Benchmark Scores

English - 18; Mathematics - 22; Reading - 22; Science - 23; All Four = (E+M+R+S); STEM (M+S) - 26



AVERAGE ACT SCORES BY RACE / ETHNICITY BY BUILDING

	2019			2020			2021			2022			2023		
	NHS	SHS	WHS	NHS	SHS	WHS	NHS	SHS	WHS	NHS	SHS	WHS	NHS	SHS	WHS
All Students	23.5	20.7	22.6	23.1	20.5	22.8	22.2	20.6	22.6	22.4	20.0	22.6	22.0	20.0	21.9
Black / African American	18.3	16.9	18.3	20.5	16.6	--	19.6	17.3	--	20.7	17.8	--	19.1	14.9	--
American Indian/ Alaska Native	--	--		--	--	--	--	--			--	--	--	--	--
White	23.7	21.5	22.6	23.3	21.4	22.9	22.4	21.3	24.2	22.8	20.7	22.6	21.8	21.2	22.3
Hispanic/ Latino	20.1	19.4	21.3	19.0	18.0	19.5	20.0	17.5	22.7	20.0	18.5	20.0	19.3	17.8	18.9
Asian	29.7	16.3	25.3	29.5	23.8	26.1	26.7	20.8	--	29.3	20.1	28.4	27.7	20.3	23.0
Native Hawaiian/ Pacific Islander	--	--	--	--	--	--	--	--			--		--	--	--
Two or More Races	19.9	21.2	25.7	21.1	19.4	23.5	19.8	21.5	23.4	22.6	21.6	24.0	20.8	18.6	22.2
Prefer Not to Respond/ No Response	23.0	18.1	22.8	21.8	18.7	21.5	21.0	17.5	21.4	17.7	16.5	20.1	22.4	16.3	17.9

-- Masked due to 10 or fewer students

Empty cell: no students in that category

AGENDA SUMMARY SHEET

Agenda Item: Personnel Report 2023-2024

Meeting Date: November 6, 2023

Department: Human Resources

Title and Brief

Description: Human Resource Personnel Report 2023-2024

Action Desired: Report Only

Background: The annual Personnel Report contains information regarding the District's staffing levels, classroom enrollment averages, teacher preparation, experience, and student teacher placements. Report highlights include:

- We attended 18 university teacher-recruiting events in Nebraska, Kansas, Missouri and South Dakota.
- MPS hosted 79 student teachers from 15 universities.
- Certificated staff members have worked for Millard for an average of 11.8 years and an average of 15.2 total years in education.
- Provided is a historical look at personnel distribution and ratios between staff positions along with graphs to illustrate trends since 1985.
- 1,341 MPS employees have a Master's degree and 51 have doctorates.
- The information provided is a "snapshot" of information that can change from day-to-day and year-to-year. As a result, staff changes reflect the difference in the "snapshot" from October 2022 to October 2023.

Recommendations: Report Only

Responsible

Persons: Dr. Kevin Chick,
Mr. Mitch Mollring,
Mr. Jake Curtiss,
Mrs. Jeanine Beaudin

Superintendent's Signature:





Personnel Report

2023-2024

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Recruiting Report



**Millard Public Schools
Recruiting Report
2022-23**

Our Human Resources staff attended numerous recruiting events throughout the year. Many of our teaching positions were filled by candidates we met at these events.

September 2022	UNK Teacher Fair
September 2022	MPS Student Teacher Interviews
September 2022	UNO Student Teacher Symposium
October 2022	UNL Fall Teacher Fair for Educators
October 2022	University of Kansas Education Fair
October 2022	Wayne State Student Teacher Fair
October 2022	University of Kansas Teacher Fair
October 2022	Kansas State Interviews
December 2022	Wayne State Education Interview Day
January 2023	UNK Teacher Fair
January 2023	Midland University Interview Day
February 2023	MPS Student Teacher Interviews
February 2023	Northwest Missouri State University Interview Day
February 2023	UNO Education Fair
February 2023	UNL Education Fair
February 2023	Washburn University Educator Fair
February 2023	South Dakota Teacher Fair
March 2023	Wayne State Interview Fair
March 2023	University of Northern Colorado

**Elementary Student Teaching Placements
2022-23**

	Pre -K	K	1st- 3rd	4th - 5th	SPECIALIST	TOTAL PER SCHOOL
ABBOTT			2		1	3
ALDRICH			1	1	1	3
ACKERMAN						0
BLACK ELK			1		1	2
BRYAN						0
CATHER						0
CODY		1				1
COTTONWOOD			1		2	3
DISNEY		1		2		3
HARVEY OAKS						0
HITCHCOCK			2	1		3
HOLLING HEIGHTS						0
EZRA MILLARD			3	1		4
MONTCLAIR			1			1
MORTON				1		1
NEIHARDT		1		1		2
NORRIS			1	1	3	5
REAGAN	1		2			3
REEDER			1	2	2	5
ROCKWELL			1	1	2	4
ROHWER		1	1	1		3
SANDOZ			2	1	1	4
UPCHURCH					1	1
WHEELER		3	1			4
WILLOWDALE		1			2	3
TOTAL	1	8	20	13	16	58

**Middle School Student Teacher Placement
2022-23**

Teaching Area	AMS	CMS	KMS	NMS	RMS	BMS	TOTAL
6th Grade							0
Art							0
Business							0
English/Language Arts	1	1					2
World Language		1		1			2
ELL							0
Health		1		1			2
Family/Consumer Science							0
Industrial Technology							0
Math				1			1
Media							0
Music	1			1			2
Physical Education	1	1					2
Science							0
Social Studies	1	1		1			3
Special Education		1					1
Counseling							0
Speech Pathologist							0
TOTAL PER SCHOOL	4	6	0	5	0	0	15

**High School Student Teacher Placement
2022-23**

Teaching Area	South	North	West	Horizon	TOTAL
Art			1		1
Business	1		1		2
English/Language Arts	2	1	1		4
World Language	1		1		2
ELL					0
Health					0
Family/Consumer Science					0
Industrial Technology					0
Math		1			1
Media					0
Music	1		2		3
Physical Education					0
Science	2	1			3
Social Studies			1		1
Special Education					0
Counseling					0
Speech Pathologist					0
					0
TOTAL PER SCHOOL	7	3	7	0	17

**Student Teacher Placement
by University 22-23**

University/College	# of Student Teachers
University of Nebraska-Omaha	46
University of Nebraska-Lincoln	13
College of St. Mary	4
Northwest Missouri State University	2
Creighton University	2
University of Nebraska-Kearney	2
South Dakota State University	2
Wayne State College	1
Concordia University/Wisconsin	1
Peru State College	1
Nebraska Wesleyan University	1
Bellevue University	1
Hastings College	1
American College of Education	1
Southern Illinois University	1
TOTAL	79

Health/Benefits Report



Millard Public Schools Self-Funded Summary through Calendar Year 2022

Section 1: Claims Review

Contract Year	Total Average Enrollment	Medical Claims Paid	Rx Claims Paid	Gross Medical/Rx Claims	Reinsurance Reimbursement After Deductibles	Net Paid Medical/Rx Claims
2019	2,195	\$24,727,825	\$6,384,698	\$31,112,523	(\$1,077,178)	\$30,035,346
2020	2,189	\$20,331,266	\$5,976,934	\$26,308,200	(\$726,073)	\$25,582,127
2021	2,165	\$21,280,477	\$6,578,114	\$27,858,590	\$0	\$27,858,590
2022	2,115	\$23,811,846	\$7,331,920	\$31,143,766	(\$461,957)	\$30,681,809

Section 2(a): Plan Income - Traditional PPO Plan

Contract Year	Average Number of Employees with Single Coverage	Single Monthly Premium	Average Number of Employees with Employee + Spouse Coverage	Employee + Spouse Monthly Premium	Average Number of Employees with Employee + Child(ren) Coverage	Employee + Child(ren) Monthly Premium	Average Number of Employees with Family Coverage	Family Monthly Premium	Percentage Increase in Premiums	Plan Income (Annual Enrollment x Premium)
2019	193	\$592.83	84	\$1,244.96	39	\$1,096.76	179	\$1,671.67	2.7%	\$6,731,945
2020	133	\$661.00	66	\$1,388.00	24	\$1,222.83	142	\$1,863.67	11.5%	\$5,682,121
2021	112	\$717.25	58	\$1,506.00	27	\$1,326.83	124	\$2,022.08	8.5%	\$5,450,908
2022	100	\$760.29	58	\$1,596.36	26	\$1,406.44	106	\$2,143.41	6.0%	\$5,188,641

Section 2(b): Plan Income - High Deductible Health Plan

Contract Year	Average Number of Employees with Single Coverage	Single Monthly Premium	Average Number of Employees with Employee + Spouse Coverage	Employee + Spouse Monthly Premium	Average Number of Employees with Employee + Child(ren) Coverage	Employee + Child(ren) Monthly Premium	Average Number of Employees with Family Coverage	Family Monthly Premium	Percentage Increase in Premiums	Plan Income (Annual Enrollment x Premium)
2019	343	\$495.70	183	\$1,040.99	107	\$916.41	810	\$1,397.02	1.7%	\$19,082,516
2020	269	\$542.75	136	\$1,139.75	80	\$1,003.33	629	\$1,529.58	9.5%	\$16,120,536
2021	265	\$588.92	135	\$1,236.67	81	\$1,088.67	621	\$1,659.67	8.5%	\$17,302,219
2022	258	\$624.25	134	\$1,310.87	85	\$1,153.99	619	\$1,759.25	6.0%	\$18,285,336

Section 2(c): Plan Income - High Deductible Health Plan - CHI

Contract Year	Average Number of Employees with Single Coverage	Single Monthly Premium	Average Number of Employees with Employee + Spouse Coverage	Employee + Spouse Monthly Premium	Average Number of Employees with Employee + Child(ren) Coverage	Employee + Child(ren) Monthly Premium	Average Number of Employees with Family Coverage	Family Monthly Premium	Percentage Increase in Premiums	Plan Income (Annual Enrollment x Premium)
2019	80	\$451.74	39	\$945.75	24	\$832.21	112	\$1,269.45	1.5%	\$2,822,099
2020	114	\$476.50	44	\$997.67	36	\$877.92	150	\$1,339.17	5.5%	\$3,968,389
2021	118	\$517.08	48	\$1,082.50	36	\$952.58	141	\$1,453.00	8.5%	\$4,225,696
2022	123	\$548.11	49	\$1,147.45	31	\$1,009.74	132	\$1,540.18	6.0%	\$4,298,979

Section 2(d): Plan Income - High Deductible Health Plan - NHN (As of January 1, 2020)

Contract Year	Average Number of Employees with Single Coverage	Single Monthly Premium	Average Number of Employees with Employee + Spouse Coverage	Employee + Spouse Monthly Premium	Average Number of Employees with Employee + Child(ren) Coverage	Employee + Child(ren) Monthly Premium	Average Number of Employees with Family Coverage	Family Monthly Premium	Percentage Increase in Premiums	Plan Income (Annual Enrollment x Premium)
2020	100	\$485.50	47	\$1,016.50	27	\$894.50	183	\$1,364.50	Not Applicable	\$4,442,166
2021	115	\$526.83	50	\$1,102.92	25	\$970.58	204	\$1,480.50	8.5%	\$5,304,215
2022	121	\$558.44	55	\$1,169.09	27	\$1,028.82	192	\$1,569.33	6.0%	\$5,531,528

Section 3: Income Versus Expenses

Contract Year	Total Annual Income	Annual Administrative Cost	Annual Reinsurance Cost	Net Paid Medical/Rx Claims	Employer Contributions to Health Savings Accounts**	Total Annual Expenses	Adjustments (e.g. ERRP, flu shots, wellness, Rx Rebates)	Taxes & Penalties	Deficit or Surplus	Ending Employee Benefits Fund Balance *
2019	\$28,668,985	\$85,881	\$1,144,910	\$30,035,346	\$3,160,309	\$31,266,137	(\$157,324)	\$10,860	(\$2,765,336)	-\$515,336
2020	\$30,321,327	\$1,315,726	\$1,301,545	\$25,582,127	\$3,342,592	\$28,199,398	\$993,723	\$27,677	\$3,087,975	\$2,572,638
2021	\$32,343,583	\$1,301,297	\$1,441,557	\$27,858,590	\$3,300,974	\$30,601,445	\$1,861,036	\$32,347	\$3,570,827	\$6,143,466
2022	\$33,296,493	\$1,271,438	\$1,535,369	\$30,681,809	\$2,719,568**	\$33,488,616	\$2,330,375	\$32,224	\$2,106,028	\$8,249,494

Section 4: Large Claims Summary

YEAR	Number of Individual Claims Above \$75,000	Total Paid for Individuals over \$75,000	Number of Individual Claims Above \$150,000	Total Paid for Individuals over \$150,000	Number of Individual Claims Above \$500,000	Total Paid for Individuals over \$500,000
2019	44	\$5,052,089	9	\$2,894,575	2	\$1,415,440
2020	47	\$7,853,107	27	\$5,329,151	2	\$1,050,753
2021	55	\$6,978,319	15	\$2,914,977	0	\$0
2022	67	\$9,568,628	18	\$4,321,967	1	\$522,972

Section 5: Health Insurance Administrator / Reinsurance Terms

Contract Year	Provider	Reinsurance Specific Deductible	Reinsurance Aggregating Specific Deductible
2019	Aetna	\$225,000	\$350,000
2020	Aetna	\$225,000	\$350,000
2021	Aetna	\$225,000	\$350,000
2022	Aetna	\$225,000	\$350,000

Footnotes: The District updated all health-plan related contracts to run for January 1 - December 31 to align with the health plan year. Reporting for prior years is included in the personnel report for those years. All reporting currently included in this summary for contract year 2019 moving forward is reporting solely activity that occurred during that calendar year.

* The Employee Benefits Fund balance will vary from the Business Office numbers based primarily of timing and accounting of plan expenses / income. These variances have been reviewed by Human Resources and the Business Office and variances are within normal parameters. Unlike the Business Office numbers, the numbers above do not include the money loaned to the health fund from the general fund or the later paid back of the loans to the general fund. For contract year 2019, the Business Office shows a balance of (\$467,288). For contract year 2020, the Business Office shows a balance of \$2,508,065. For contract year 2021, the Business Office shows a balance of \$6,184,265. For contract year 2022, the Business Office shows a balance of \$7,796,885

** - The Health Savings Account contributions made by the District are made out of the general fund and not the health insurance fund. They are included on this sheet for information purposes and are not included in the total expenses or in the income/loss calculator to the health insurance fund.

Ancillary Benefits Rates

District Single Dental Rates - Monthly

2019	2020	2021	2022
\$26.64	\$28.96	\$31.02	\$32.57

District LTD Rates

2019	2020	2021	2022
\$0.181	\$0.181	\$0.160	\$0.160

District Life Insurance Rates - Monthly

2019	2020	2021	2022
\$3.75	\$3.75	\$3.25	\$3.25

District NPERS Rates

2019	2020	2021	2022
9.8788%	9.8788%	9.8788%	9.8788%

District Employee Assistance Program Rates

2019	2020	2021	2022
\$15.10	\$15.10	\$15.10	\$19.10*

* 2022-23 School Year – EAP Covered Sessions Expanded from 5 to 10

Millard Public Schools

August 01, 2022 - July 31, 2023 on New and Open Cases

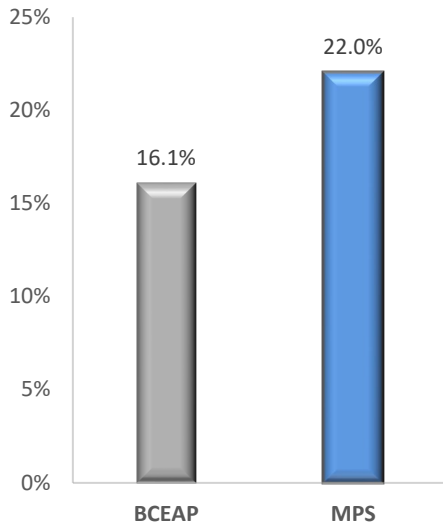
PROGRAM ENGAGEMENT		
	TOTAL ENGAGEMENT (# of People Served)	CLINICAL ENGAGEMENT
Self-Referral Cases	278	234
Employer Referral Cases	8	8
Additional Requests for Information or Clinical Support	22	22
Organizational Services/Training/CIRS	158	28
Web Site Log Ins	166	0
Total	632	292

ENGAGEMENT RATE SUMMARY	
	Weighted Population Of: 2867
Total Engagement Rate - Current	22.04%
Total Engagement Rate - Annualized	22.04%
Clinical Engagement Rate - Current	10.18%
Clinical Engagement Rate - Annualized	10.18%

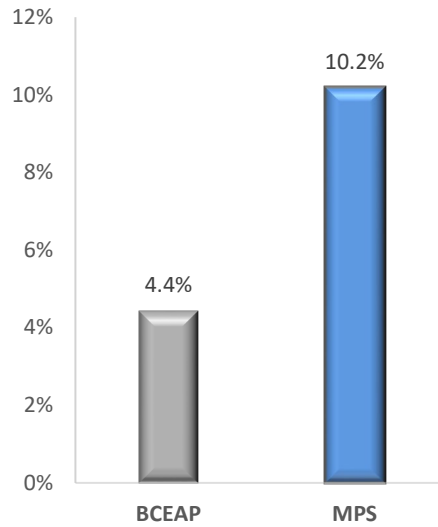
CLINICAL CASE SUMMARY			
New/Ongoing		Closed/Referrals	
Total New Cases	174	Total Cases Closed	186
Total Open Cases At 8/1/2022	68		
Total Open Cases At 7/31/2023	56		



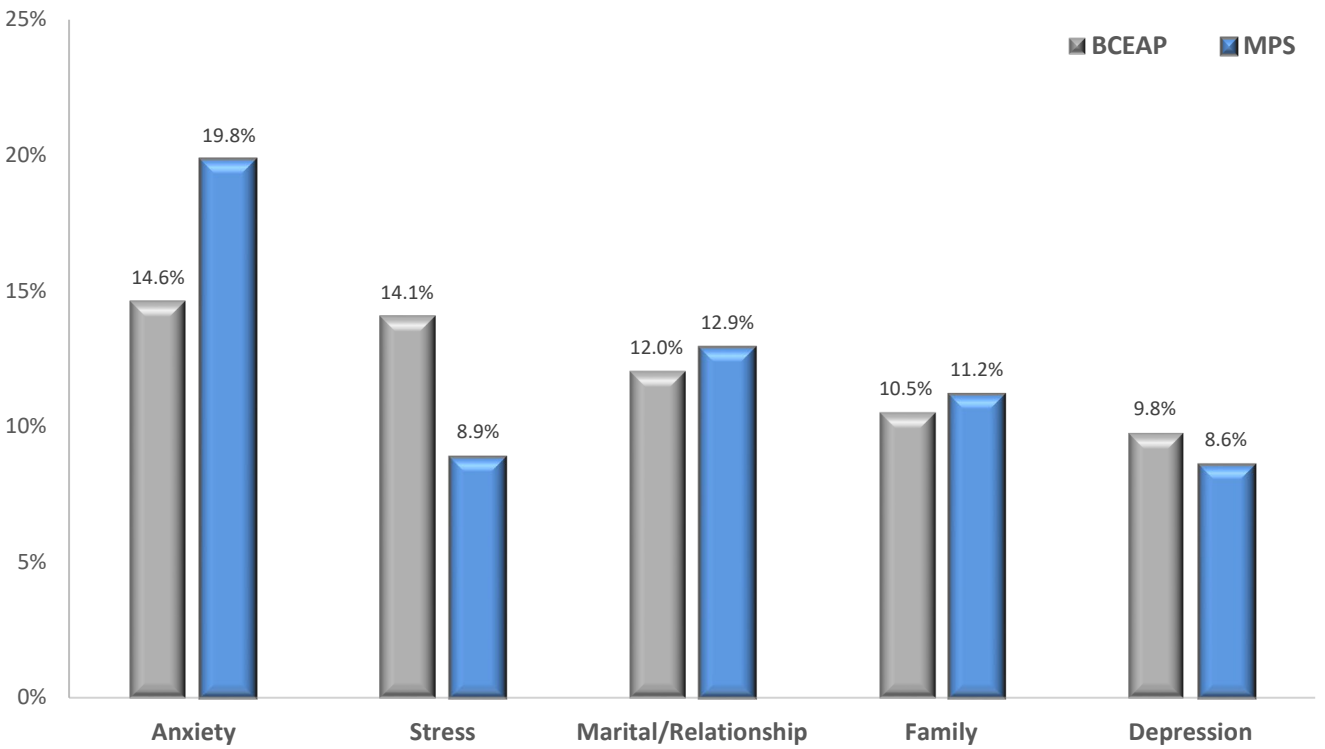
Total Engagement Rate:



Clinical Engagement Rate:



Assessed Problem Types Comparison:



Days Absent by Reason by Employee Group 2022-23

Reason	Admin	Teachers	Nurses	ProfTechS	ProfTechH	EdPara	CustMaint	Food Serv
Personal Illness	59.5	6,702.9	22.0	304.0	915.0	1,685.5	843.8	510.3
Family Illness	31.5	3,831.3	30.5	122.5	235.2	372.5	163.3	60.2
Business/Emergency	14.5	1,172.2	8.0	53.0	186.9	374.5	164.9	184.7
Personal	-	775.5	3.0	-	-	-	-	-
Bereavement	15.0	420.0	6.0	18.5	74.8	65.3	87.5	21.1
Family Medical Leave	193.0	4,122.1	51.0	34.0	359.7	332.0	881.7	311.8
Total Days	314	17,024	121	532	1,772	2,830	2,141	1,088
Mean Avg Days/Employee	3.65	9.97	10.95	6.84	10.49	9.01	12.49	8.14
% of Scheduled Work	1.5%	5.2%	5.7%	2.9%	4.7%	4.7%	4.8%	4.2%
2021-22	0.6%	5.7%	8.8%	2.9%	5.2%	4.5%	4.5%	3.8%
2020-21	1.3%	5.1%	2.4%	2.9%	3.8%	5.8%	4.5%	5.0%
2019-20	0.9%	3.6%	2.3%	2.1%	3.3%	3.2%	4.0%	4.4%
2018-19	0.9%	4.9%	6.5%	3.9%	3.8%	4.4%	4.2%	3.2%
2017-18	1.0%	5.0%	4.6%	3.8%	4.4%	4.6%	5.0%	4.9%
2016-17	1.5%	4.7%	3.7%	3.7%	4.4%	4.1%	4.8%	3.9%
2015-16	2.3%	4.7%	3.2%	3.7%	4.1%	4.1%	4.6%	4.9%
2014-15	1.5%	4.8%	3.2%	3.5%	3.5%	4.2%	4.9%	4.4%
2013-14	1.6%	4.7%	3.5%	3.2%	3.4%	4.3%	5.0%	4.0%
2012-13	2.5%	4.7%	3.9%	4.9%	3.7%	4.2%	5.3%	4.8%

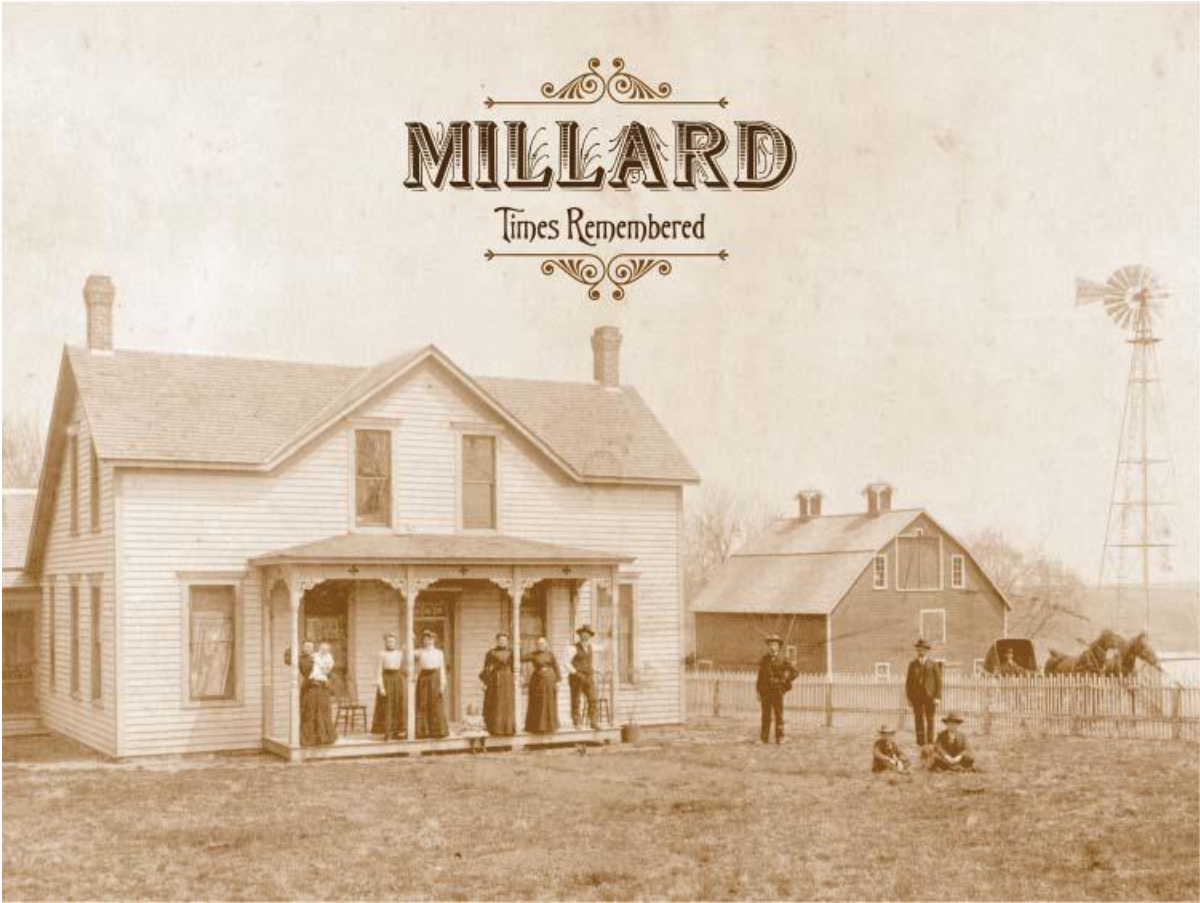
Scheduled Absences

Vacation	825.0	-	-	670.0	1,107.6	-	1,973.6	80.9
Military	-	162.5	-	-	-	-	-	-
Union	-	23.5	-	-	-	2.5	-	-
Jury/Election	7.0	47.0	-	2.0	1.0	0.9	-	0.6
Professional	61.0	2,914.5	-	23.5	-	1.1	-	-
Retirement Seminar	1.0	17.0	-	1.0	3.4	2.3	-	1.5
Misc/Administrative	13.5	520.5	-	3.0	0.6	0.9	49.8	13.0
Total Scheduled Days	907.5	3,685.0	-	699.5	1,112.6	7.7	2,023.4	96.0

Teacher Professional Leave Days

		Avg
2022-23	2,915	1.7
2021-22	2,543	1.5
2020-21	809	0.5
2019-20	3,508	2.1
2018-19	4,880	2.9
2017-18	4,494	2.7
2016-17	4,474	2.6
2015-16	5,523	3.2
2014-15	7,045	4.1
2013-14	6,814	4.0

Current Staffing Levels



Personnel Distribution

Full-time Equivalency

Employee Class	F.T.E. Change 22-23 to 23-24	Staff F.T.E. 23-24	Staff F.T.E. 22-23	Staff F.T.E. 21-22	Staff F.T.E. 20-21
Administrators	1.0	87	86.0	86.0	86
Teachers	13.8	1721.2	1707.4	1701.4	1703.1
School Nurses	1.0	12	11.0	10.0	10
Professional Technical Salaried	3.9	81.7	77.8	66.2	63.3
Professional Technical Hourly	5.7	174.55	168.9	186.4	186.8
Educational Paraprofessionals	16.9	330.8	313.9	313.1	322.5
Custodial/Maintenance	1.0	172.5	171.5	183.5	180.5
Food Service	-9.1	124.5	133.6	138.0	144.8
Totals	34.2	2704.3	2670.1	2684.6	2697.0

Employee Count

Employee Class	Count Change 22-23 to 23-24	Staff Count 23-24	Staff Count 22-23	Staff Count 21-22	Staff Count 20-21
Administrators	1	87	86	86	86
Teachers	10	1738	1728	1724	1721
School Nurses	1	12	11	10	10
Professional Technical Salaried	4	84	80	68	65
Professional Technical Hourly	1	177	176	198	194
Educational Paraprofessionals	9	432	423	418	425
Custodial/Maintenance	6	174	168	186	181
Food Service	-5	155	160	164	173
Totals	27	2859	2832	2854	2855

Staffing Admin Positions

Class	Current Job Class Title	FTE
A010	SUPERINTENDENT	1.00
A021	CHIEF FINANCIAL OFFICER	1.00
A030	ASSOC SUPT EDUC SERV	1.00
A060	ASSOC SUPT HR	1.00
A075	ASST SUPT LDR PLAN EVAL	1.00
A120	EXEC DIR TECHNOLOGY	1.00
A200	DIR EMPLOYEE RELATIONS	1.00
A205	EXEC DIR ASSMN-TRESR-EVAL	1.00
A210	DIR PERSONNEL	1.00
A230	DIR COMMUNICATIONS	1.00
A240	DIR STUDENT SERVICES	1.00
A250	DIR STAFF DEVELOPMENT	1.00
A255	DIR STRAT PROJ-EX AFFAIR	1.00
A260	DIR ELEM & EARLY CHILD ED	1.00
A270	DIR SECONDARY ED	1.00
A280	DIR SPED	1.00
A301	EXEC DIRECTOR-ACTIVITIES	1.00
A305	DIR OF DIGITAL LEARNING	1.00
A310	COORD OF CAREER & TECH ED	1.00
A330	COORD SPECIAL PROJECTS	1.00
A340	COORD K-5 SPED PROG	1.00
A350	COORD 6-12 SPED PROG	1.00
A354	COORD SPED RELSRV&YNGADLT	1.00
A360	COORD PRE-SCHOOL SPED	1.00
A401	ELEM PRINCIPAL	25.00
A402	MDL SCH PRINCIPAL	6.00
A403	HS PRINCIPAL	3.00
A422	MDL SCH ASST PRINCIPAL	12.00
A423	HS ASST PRINCIPAL	12.00
A443	HS ACTIVITY DIRECTOR	3.00
A463	HORIZON HS PRINCIPAL	1.00
A473	HORIZON ASST PRINCIPAL	1.00
Overall - Total		87.00

Staffing Teacher Positions

Class	Current Job Class Title	FTE
C011	MONTESSORI PRESCHOOL TCHR	3.00
C081	MONTESSORI PRE/KDG TCHR	3.00
C091	KINDERGARTEN TEACHER	69.00
C101	MONTESSORI 1-3 TEACHER	9.00
C111	GRADE 1 TEACHER	71.00
C121	GRADE 2 TEACHER	73.00
C131	GRADE 3 TEACHER	75.00
C141	GRADE 4 TEACHER	74.00
C151	GRADE 5 TEACHER	73.00
C162	GRADE 6 TEACHER	64.00
C223	CERTIFIED NURSING ASST	1.00
C301	CORE TEACHER ELEM	23.00
C311	MONTESSORI 4/5 TEACHER	6.00
C312	MONTESSORI TEACHER	3.00
C321	ART TEACHER ELEM	1.00
C322	ART TEACHER MS	7.50
C323	ART TEACHER HS	14.50
C333	BUSINESS TEACHER	25.00
C352	LANGUAGE ARTS TEACHER MS	36.50
C353	LANGUAGE ARTS TEACHER HS	71.67
C362	READING TEACHER MS	2.00
C363	READING TEACHER HS	1.00
C381	WORLD LANGUAGE TEACHER EL	2.00
C382	WORLD LANGUAGE TEACHER MS	16.00
C383	WORLD LANGUAGE TEACHER HS	39.00
C412	FCS MS	7.00
C413	FCS HS	18.16
C432	INDUSTRIAL TECH TEACHER M	6.00
C433	INDUSTRIAL TECH TEACHER H	12.00
C452	COMPUTER TEACHER MS	6.00
C461	MATH INTERVENTIONIST	3.78
C462	MATH TEACHER MS	33.50
C463	MATH TEACHER HS	62.00
C472	SCIENCE TEACHER MS	33.50
C473	SCIENCE TEACHER HS	57.00
C492	SOCIAL STUDIES TEACHER MS	35.50
C493	SOCIAL STUDIES TEACHER HS	60.66
C503	ACADEMY LEAD TEACHER	0.50
C531	VOCAL MUSIC TEACHER ELEM	25.48
C532	VOCAL MUSIC TEACHER MS	7.00
C533	VOCAL MUSIC TEACHER HS	5.50
C54I	INSTR MUSIC TEACHER	14.13
C55I	ORCHESTRA TEACHER	10.00
C572	HEALTH TEACHER	5.00
C591	PHYSICAL ED TEACHER ELEM	26.60
C592	PHYSICAL ED TEACHER MS	14.00
C593	PHYSICAL ED TEACHER HS	22.00
C611	ELEM COUNSELOR	12.60
C612	MDL SCH COUNSELOR	17.00
C613	HIGH SCH COUNSELOR	22.00

C620	MEDIA SPECIALIST	1.00
C621	MEDIA SPECIALIST ELEM	25.00
C622	MEDIA SPECIALIST MS	6.00
C623	MEDIA SPECIALIST HS	4.00
C631	READ TEACHER ELEM	22.10
C640	LITERACY COACH	3.00
C641	EARLY LIT INT (ELI) TCHR	4.25
C652	LEARNING CTR TEACHER MS	3.00
C660	ELL - DISTRICT TCHR	1.00
C66I	EL TEACHER	25.50
C670	TITLE 1 PRESCHOOL TCHR	9.00
C671	TITLE 1 TEACHER	7.50
C682	HIGH ABILITY LRNER TCH	6.00
C710	MEP TECH FACILITATOR	2.00
C715	MEP DARE	2.00
C721	INSTR FACILITATOR	5.60
C731	INSTRUCTIONAL DEPTHD ELEM	0.50
C741	MEP FACILITATOR ELEM	4.50
C743	MEP FACILITATOR HS	4.00
C744	HAL PROGRAM FACILITATOR	1.00
C745	MEP MUSIC FACILITATOR HS	1.00
C751	LEADERSHIP/LEARNING FACIL	4.00
C770	MEA PRESIDENT	1.00
C771	ADMINISTRATIVE INTERN	15.00
C782	MIDDLE SCHOOL DEAN	1.00
C783	HIGH SCHOOL DEAN	1.00
C790	BUILDING BEHAVIOR INTERVE	1.00
C79I	INTERVENTIONIST	0.50
C805	SPED SLP FACILITATOR	1.00
C811	SPED PROGRAM FACILITATOR	6.00
C831	SPED RESOURCE TEACHER ELE	48.00
C832	SPED RESOURCE TEACHER MS	26.00
C833	SPED RESOURCE TEACHER HS	39.50
C854	SPED ACP TEACHER ELEM	13.00
C855	SPED ACP TEACHER MS	8.00
C856	SPED ACP TEACHER HS	17.00
C861	SPED SBS TEACHER ELEM	5.00
C862	SPED SBS TEACHER MS	4.00
C891	AUDIOLOGIST	1.00
C90I	SPEECH PATHOLOGIST	59.75
C913	SPED VISION IMPAIRED TCHR	4.00
C920	MTSS BEHAVIOR FACILITATOR	1.00
C922	BEHAVIOR SPECIALIST	2.00
C931	SPED INFANT TEACHER	3.00
C941	SPED PRESCHOOL TEACHER	14.00
C952	SPED HOMEBOUND TCHR MS	2.00
C961	EARLY CHLDHD LITERACY TCH	1.00
C97I	SCHOOL PSYCHOLOGIST	24.50
Overall - Total		1721.20

Staffing Nurse Positions

Class	Current Job Class Title	FTE
E20I	SCHOOL NURSE	12.00
Overall - Total		12.00

Staffing Professional Technical Salary Positions

Class	Current Job Class Title	FTE
G030	MULTIMEDIA FACILITATOR	1.00
G100	HOME VISITOR B	5.00
G105	FAMILY FACILITATOR	1.00
G10S	HOME VISITOR S	1.00
G110	HUMAN RESOURCE RECRUITER	1.00
G120	HR GENERALIST - RECRUITER	1.00
G211	DATA ENGINEER	4.00
G212	STUDENT INFO SYSTEM ANAL	1.00
G213	STUDENT SERV FACILITATOR	1.00
G316	GRANT WRITING & MENTORING	1.00
G333	COMMUNITY COUNSELOR	2.81
G33I	SCHOOL SOCIAL WORKER	1.00
G341	SCHOOL SOCIAL WORKER ES	1.00
G342	SCHOOL SOCIAL WORKER MS	4.00
G343	SCHOOL SOCIAL WORKER HS	5.00
G351	OCCUPATIONAL THERAPIST ES	7.10
G361	PHYSICAL THERAPIST ES	3.80
G373	ATHLETIC TRAINER	5.00
G401	TECHNOLOGY MANAGER	1.00
G403	JR ROTC INSTRUCTOR I	1.00
G404	JR ROTC INSTRUCTOR II	1.00
G421	NETWORK SPECIALIST II	4.00
G422	NETWORK SPECIALIST I	2.00
G431	TECH FACILITATOR 1A ELEM	4.00
G433	TECH FACILITATOR 1A HS	4.00
G441	TECH FACILITATOR 2A ELEM	1.00
G444	TECH FACILITATOR 2A SECON	1.00
G460	CADD/GIS ANALYST	1.00
G474	TECHNOLOGY SPECIALIST II	6.00
G500	ACCOUNTING MANAGER	1.00
G510	INTERNAL AUDITOR/SP PROJ	1.00
G520	DISTRICT ACCOUNTANT	1.00
G525	SR. DATA ENGINEER	1.00
G600	GENERAL MANAGER SSC	1.00
G620	PURCHASING AGENT	1.00
G630	TRANSPORTATION MANAGER	1.00
G640	CONSTRUCTION MANAGER	2.00
Overall - Total		81.71

Staffing Professional Technical Hourly Positions

Class	Current Job Class Title	FTE
J010	EX SEC TO SUPERINTENDENT	1.00
J030	COMMUNICATIONS SPECIALIST	1.00
J110	HR SPECIALIST CERT STAFF	1.00
J120	HR SPEC CLASSIFIED STAFF	1.00
J125	HR SPEC CLASSIFIED SSC	1.00
J130	EMPLOYEE RELATIONS SPEC	1.00
J140	HR RECORDS SPECIALIST	1.00
J150	RECEPTIONIST	1.13
J160	HR SPEC SUB TEACHERS	1.00
J180	ASSESS/RESEARCH/EVAL SEC	1.00
J240	SEC DIR STUDENT SERV	1.00
J260	STUDENT SERVICES SEC	3.00
J265	REGISTRATION SPECIALIST	1.00
J270	STAFF DEV PROG SECRETARY	1.00
J300	EXEC SEC ASSOC SUPT EDSRV	1.00
J310	LEADERSHIP/LEARNING SPEC	1.00
J320	SECRETARY TO DIR ELED	1.00
J330	TITLE I/ECE SECRETARY	1.00
J340	ED SERV SECONDARY EDU SEC	1.00
J345	BILINGUAL FAM-SCH LIA II	1.00
J34B	BILINGUAL FAM-SCH LIA I	3.00
J350	SECRETARY TO DIR SECED	1.00
J360	SECRETARY TO DIR SPED	1.00
J370	SPED SECRETARY I	1.00
J380	SPED PRE-SCH SECRETARY I	1.00
J390	BEHAVIOR SUP SPEC 10 MO	2.63
J400	SEC-ASST SUPT TECHNOLOGY	1.00
J410	TECH HELP DESK SPECIALIST	1.00
J500	EXEC ASSIST TO THE CFO	1.00
J510	ACCOUNTING SPECIALIST	1.00
J540	ACCTS PAYABLE ASSISTANT	1.00
J560	DUPLICATION CLERK	0.50
J570	PAYROLL SPECIALIST HOURLY	1.00
J580	PAYROLL SPECIALIST SALARY	1.00
J600	SUPPORT SERV SECRETARY II	1.00
J601	CNA/CMA	8.00
J610	MAINTENANCE SECRETARY	1.50
J620	WAREHOUSE/MEDIA SECRETARY	2.00
J630	CATALOGER 12MO	1.00
J712	MS CAMPUS SECURITY	1.00
J713	HS CAMPUS SECURITY	17.60
J800	FOOD SERV BOOKKEEPER/SEC	1.50
J830	SPED VAN DRIVER	3.44
J840	SPED PRESCHOOL VAN DRIVER	14.31
J850	TRANSPORTATION SECRETARY	1.00
J860	SPED VAN DRIVER/JOB COACH	4.00
J901	SECRETARY 12 MO ELEM SCH	9.00
J902	SECRETARY 12MO MDL SCH	6.00
J903	SECRETARY 12 MO HIGH SCH	14.00
J912	MS BOOKKEEPER	6.00

J913	HS ACCOUNTING CLERK	5.00
J921	ELEM SECRETARY 10 MO	16.00
J922	MDL SCH SECRETARY 10 MO	6.00
J923	HS SECRETARY 10 MO	15.00
J941	ELEM DIST ACCOMPANIST	0.75
J942	MS DIST ACCOMPANIST	0.50
J943	HS ACCOMPANIST	0.70
Overall - Total		174.55

Staffing Para Ed

Class	Current Job Class Title	FTE
K111	PRESCH MONTESSORI ED PARA	7.78
K201	INSTRUCTIONAL PARA ELEM	25.22
K202	INSTRUCTIONAL PARA MS	6.71
K203	INSTRUCTIONAL PARA HS	2.38
K211	ELI ED PARA	1.35
K241	RETEACHING PARA ELEM	7.99
K261	MEDIA PARA ELEM	17.55
K262	MEDIA PARA MS	4.10
K263	MEDIA PARA HS	3.76
K311	RESOURCE SPED PARA-E	50.77
K312	RESOURCE SPED PARA-M	19.57
K313	RESOURCE SPED PARA-H	9.55
K31S	RESOURCE WITH STIPEND	0.80
K341	SBS SPED PARA ELEM	8.47
K342	SBS SPED PARA MS	8.38
K351	ACP SPED ELEM PARA	32.39
K352	ACP SPED MS PARA	16.03
K353	ACP SPED HS PARA	17.47
K373	YOUNG ADULT PARA	6.96
K400	PRESCHOOL PARA TITLE 1	34.24
K411	ELL PARA ELEM	0.28
K412	ELL PARA MS	0.88
K601	HEALTH ROOM PARA ELEM	16.44
K602	HEALTH ROOM PARA MS	3.20
K603	HEALTH ROOM PARA HS	1.24
K621	OFFICE PARA ELEM	1.07
K622	OFFICE PARA MS	3.67
K623	OFFICE PARA HS	1.08
K641	WORKROOM PARA ELEM	10.18
K642	WORKROOM PARA MS	1.56
K661	FOOD SERVICE PARA ELEM	9.77
Overall - Total		330.81

Staffing Custodial / Maintenance Positions

Class	Current Job Class Title	FTE
M010	CUSTODIAN SPEC PROJECTS	1.00
M023	CUSTODIAN I DEPT HEAD HS	3.00
M031	DAY CUSTODIAN II	27.00
M040	CUSTODIAN I	0.50
M042	DAY CUSTODIAN I MS	7.00
M043	DAY CUSTODIAN I HS	7.00
M050	NIGHT CUSTODIAN I	2.00
M051	NIGHT CUSTODIAN I ELEM	16.50
M052	NIGHT CUSTODIAN I MS	19.00
M053	NIGHT CUSTODIAN I HS	27.00
M060	CUSTODIAN 1 FLOATER	5.00
M080	PT CUSTODIAN 12-MO	3.50
M110	DELIVERY DRIVER	3.00
M120	WAREHOUSE ASSISTANT	2.00
M130	GENERAL LABORER	3.00
M310	DISTRICT GROUNDS LEADER	6.00
M315	DISTRICT GROUNDS ASST II	6.00
M320	DIST GROUNDS ASSISTANT I	3.00
M520	MECHANICAL TECHNICIAN	7.00
M530	ELECTRICIAN	2.00
M543	SR HI DAY ENGINEER	3.00
M553	SR HI NIGHT ENGINEER	3.00
M570	PM TECH 1	1.00
M572	MS DAY ENGINEER/CUST III	6.00
M600	CARPENTER	7.00
M700	PAINTER 1	1.00
M701	PAINTER 2	1.00
Overall - Total		172.50

Staffing Food Service Positions

Class	Current Job Class Title	FTE
P091	FS ELM MGR 12MO	3.00
P092	FS MS MGR 12MO	3.00
P093	FS HS MGR 12MO	2.00
P101	FS ELM PRODUCTION MANAGER	21.00
P102	FS MS PRODUCTION MANAGER	5.00
P103	FS HS PRODUCTION MANAGER	1.00
P201	FS ELM HELPER	30.13
P202	FS MS HELPER	22.66
P203	FS HS HELPER	25.88
P302	FS MS PRODUCTION LEAD	5.81
P303	FS HS PRODUCTION LEAD I	2.00
P313	FS C-STORE MANAGER	3.00
Overall - Total		124.48

Staffing Substitute Dept

Department	Department Title	Employee Number
SUB CUST	SUB CUSTODIAN	4
SUB HRLY	SUBSTITUTES HOURLY	144
SUB TCH	SUBSTITUTE TEACHER	555
Overall - Total		703

Elementary Regular Classroom Average

School	Sections	Students	23-24	22-23	21-22	20-21	19-20	18-19	17-18	16-17
Abbott	20	450	22.5	22.8	22.3	22.0	23.8	23.5	23.9	22.6
Ackerman	21	468	22.3	22.2	21.1	20.9	22.3	22.4	21.7	21.5
Aldrich	19	435	22.9	23.1	23.2	24.4	24.0	24.3	24.7	23.7
Black Elk	24	569	23.7	23.9	24.0	22.8	23.1	23.7	22.6	22.6
Bryan	18	343	19.1	18.8	19.2	17.7	18.8	18.9	19.2	21.0
Cather	18	292	16.2	18.0	20.2	21.7	21.2	22.1	22.4	21.7
Cody	12	200	16.7	16.1	17.5	17.3	18.3	17.7	15.6	17.0
Cottonwood	15	312	20.8	23.1	21.3	22.9	22.3	21.5	21.3	22.6
Disney	18	350	19.4	19.1	19.4	18.8	20.3	22.1	20.2	20.0
Ezra Millard	21	460	21.9	21.8	22.2	22.7	23.0	23.3	22.6	22.5
Harvey Oaks	13	288	22.2	22.2	21.4	21.9	21.9	23.7	23.6	24.0
Hitchcock	12	228	19.0	18.7	19.4	20.8	21.2	21.9	21.7	22.0
Holling Heights	18	301	16.7	17.2	17.4	18.5	18.0	18.9	18.3	18.4
Montclair	26	529	20.3	20.2	20.1	20.8	20.8	21.6	21.5	21.2
Morton	18	362	20.1	21.9	22.1	21.1	21.2	20.6	18.1	18.2
Neihardt	24	416	17.3	19.8	20.8	20.3	21.0	22.2	22.1	23.0
Norris	20	401	20.1	19.7	19.6	18.5	18.7	18.1	18.8	20.0
Reagan	22	442	20.1	21.4	22.7	22.0	22.7	23.6	22.5	21.8
Reeder	22	475	21.6	20.4	21.1	22.1	21.5	21.5	22.6	22.4
Rockwell	12	217	18.1	18.4	17.7	17.3	18.7	20.2	19.0	17.9
Rohwer	20	439	22.0	22.0	22.5	22.4	22.8	22.7	21.5	22.0
Sandoz	18	289	16.1	16.5	16.4	17.0	17.8	18.1	17.9	19.5
Upchurch	19	393	20.7	19.4	20.4	20.6	21.4	21.4	22.5	21.8
Wheeler	27	607	22.5	24.1	22.1	22.1	22.5	22.6	20.6	20.9
Willowdale	21	464	22.1	23.4	23.7	22.8	24.0	22.9	22.7	23.0
Average										
	478	9730	20.4	20.8	20.9	20.9	21.4	21.7	21.3	21.4

*Based upon MPS Enrollment Counts 8/29/2023

Number of Elementary Students per Section by Grade Level 2023-2024

Students Per Section Sections by Grade Level	20 or less	21-23	24-25	26 plus
Kindergarten	49	23	5	0
1st grade	41	30	7	0
2nd grade	36	26	18	0
3rd grade	43	29	9	1
4th grade	35	33	12	2
5th grade	31	23	18	7
TOTALS	235	164	69	10

Secondary Classroom Averages by Subject Area

2022-2023	North	South	West	AMS	BMS	CMS	KMS	NMS	RMS
Grade 6				25.2	24.3	22.6	26.3	26.0	24.7
Art	19.4	24.6	21.9	22.6	22.1	18.6	19.4	19.0	20.5
Family Consumer Science	25.9	25.4	24.6	24.0	23.6	17.3	20.4	20.9	19.3
Industrial Technology	17.4	19.8	24.8	21.7	22.0	16.7	22.3	19.6	17.3
P.E.	28.4	25.2	29.7	38.3	28.6	34.2	27.3	21.9	32.8
Health/KnowYrsf				24.8	28.0	22.7	26.5	33.7	26.2
Business	21.5	22.5	19.4						
Vocal Music	40.5	42.7	75.2	33.1	28.6	12.6	33.4	19.0	69.7
Instr. Music	76.3	42.5	94.0	35.5	27.7	30.6	51.0	35.8	32.2
Computers				20.3	15.0	14.5	17.6	17.6	19.6
Electives(HAL,STEM, etc.)				24.2	16.4	14.8	18.9	19.6	18.0
Math	22.8	19.6	20.3	24.6	24.5	22.4	23.9	26.4	24.0
English	24.5	21.5	21.9	24.9	28.5	22.1	25.8	26.4	23.8
Science	19.9	21.3	22.3	25.2	28.5	22.4	26.5	26.4	23.8
Social Studies	25.0	22.9	22.3	24.4	28.6	23.4	26.5	26.4	23.8
World Language	20.1	21.5	21.6	20.6	24.9	18.6	21.7	19.9	22.9
Montessori Mini Magnet									27.3

Secondary Classroom Averages by Subject Area

2023-2024	North	South	West	AMS	BMS	CMS	KMS	NMS	RMS
Grade 6				25.9	25.8	21.1	28.2	26.5	24.3
Art	19.8	24.1	22.3	19.4	22.2	18.4	20.9	18.5	18.2
Family Consumer Science	25.1	22.7	25.4	20.8	23.4	16.5	23.2	20.3	18.9
Industrial Technology	18.0	19.4	24.2	18.1	22.3	15.8	20.8	22.9	17.1
P.E.	28.6	24.4	30.2	38.0	28.2	32.3	27.4	34.5	30.9
Health/KnowYrsf				24.3	27.7	21.5	27.0	26.3	24.7
Business	21.6	22.8	22.1						
Vocal Music	40.5	38.1	43.5	47.0	28.2	12.2	82.0	34.7	73.3
Instr. Music	76.3	37.1	30.2	35.3	29.0	34.0	71.0	42.5	32.2
Computers				15.6	19.8	14.8	18.3	18.8	16.7
Electives(HAL,STEM, etc.)				17.8	21.0	13.5	18.3	20.1	14.5
Math	22.7	19.5	19.3	25.3	23.3	21.1	24.3	26.3	22.1
English	23.8	21.1	21.2	24.4	26.0	13.5	26.2	26.3	21.1
Science	22.0	21.5	21.6	25.2	27.1	21.1	27.0	26.3	22.1
Social Studies	24.4	23.1	24.3	24.2	27.1	20.6	27.0	26.3	22.1
World Language	20.3	20.0	19.0	18.4	21.4	19.6	20.1	20.9	22.5
Montessori Mini Magnet									27.7

Current Staff Demographics



Certificated Staff Educ Work Experience by School

Base Location Building Name	Years in Total	Years in District
ABBOTT ELEMENTARY	16.2	13.3
ACKERMAN ELEMENTARY	17.2	14.4
ALDRICH ELEMENTARY	15.8	12.4
ANDERSEN MIDDLE SCHOOL	17.0	14.0
BEADLE MIDDLE SCHOOL	15.4	11.8
BLACK ELK ELEMENTARY	15.1	12.6
BRYAN ELEMENTARY	12.7	9.4
CATHER ELEMENTARY	12.1	9.0
CENTRAL MIDDLE SCHOOL	13.9	10.2
CODY ELEMENTARY	14.8	9.9
COTTONWOOD ELEMENTARY	16.1	11.3
DISNEY ELEMENTARY	13.4	8.7
DON STROH ADMIN CTR	23.0	18.3
EZRA MILLARD ELEMENTARY	14.7	10.9
HARVEY OAKS ELEMENTARY	14.6	10.6
HITCHCOCK ELEMENTARY	10.9	7.4
HOLLINGHEIGHTS ELEMENTARY	15.1	11.9
KEITH LUTZ HORIZON HS	11.1	8.0
KIEWIT MIDDLE SCHOOL	15.8	11.3
MISC LOCATION	17.0	17.0
MONTCLAIR ELEMENTARY	13.4	10.0
MORTON ELEMENTARY	9.4	8.0
NEIHARDT ELEMENTARY	14.3	10.3
NORRIS ELEMENTARY	14.2	10.1
NORTH HIGH SCHOOL	16.5	12.1
NORTH MIDDLE SCHOOL	15.5	11.4
REAGAN ELEMENTARY	12.1	10.4
REEDER ELEMENTARY	17.2	14.3
ROCKWELL ELEMENTARY	13.8	11.8
ROHWER ELEMENTARY	15.9	13.5
RON WITT SSC	22.9	18.2
RUSSELL MIDDLE SCHOOL	16.7	11.8
SANDOZ ELEMENTARY	16.4	13.4
SOUTH HIGH SCHOOL	15.7	11.8
UPCHURCH ELEMENTARY	15.6	11.6
WEST HIGH SCHOOL	16.9	12.8
WHEELER ELEMENTARY	13.4	10.0
WILLOWDALE ELEMENTARY	15.7	11.6
YOUNG ADULT PRG-CMS ANNEX	16.7	12.8
Overall - Average	15.2	11.8

Certificated Staff Highest Degree by Building

Base Location Building Name	RN	BSN	BA	MA	DR	EDS	Total
ABBOTT ELEMENTARY	0	0	5	24	0	1	30
ACKERMAN ELEMENTARY	0	0	10	22	0	1	33
ALDRICH ELEMENTARY	0	0	4	22	1	0	27
ANDERSEN MIDDLE SCHOOL	0	1	14	53	0	0	68
BEADLE MIDDLE SCHOOL	0	1	17	51	3	1	73
BLACK ELK ELEMENTARY	0	0	11	25	2	2	40
BRYAN ELEMENTARY	0	0	13	22	0	1	36
CATHER ELEMENTARY	0	0	6	20	0	0	26
CENTRAL MIDDLE SCHOOL	0	1	17	53	1	3	75
CODY ELEMENTARY	0	0	7	25	0	1	33
COTTONWOOD ELEMENTARY	0	0	6	28	0	1	35
DISNEY ELEMENTARY	0	0	12	21	1	0	34
DON STROH ADMIN CTR	0	2	1	5	13	1	22
EZRA MILLARD ELEMENTARY	0	0	8	22	0	0	30
HARVEY OAKS ELEMENTARY	0	0	1	25	0	1	27
HITCHCOCK ELEMENTARY	0	0	10	10	1	1	22
HOLLINGHEIGHTS ELEMENTARY	0	1	3	32	2	1	39
KEITH LUTZ HORIZON HS	0	0	10	12	1	1	24
KIEWIT MIDDLE SCHOOL	0	0	15	49	2	0	66
MISC LOCATION	0	0	0	1	0	0	1
MONTCLAIR ELEMENTARY	0	0	13	27	1	0	41
MORTON ELEMENTARY	0	0	13	16	0	1	30
NEIHARDT ELEMENTARY	0	0	11	28	2	0	41
NORRIS ELEMENTARY	0	0	12	22	0	1	35
NORTH HIGH SCHOOL	0	0	37	126	4	2	169
NORTH MIDDLE SCHOOL	0	1	16	40	2	0	59
REAGAN ELEMENTARY	0	0	13	23	0	0	36
REEDER ELEMENTARY	0	0	9	26	0	1	36
ROCKWELL ELEMENTARY	0	0	6	26	0	0	32
ROHWER ELEMENTARY	0	0	7	27	0	1	35
RON WITT SSC	0	0	1	23	5	7	36
RUSSELL MIDDLE SCHOOL	0	1	11	45	1	0	58
SANDOZ ELEMENTARY	0	0	9	27	0	0	36
SOUTH HIGH SCHOOL	1	0	22	150	1	3	177
UPCHURCH ELEMENTARY	0	0	7	25	2	1	35
WEST HIGH SCHOOL	1	0	21	123	4	0	149
WHEELER ELEMENTARY	0	0	12	30	1	1	44
WILLOWDALE ELEMENTARY	0	0	5	28	0	1	34
YOUNG ADULT PRG-CMS ANNEX	0	0	1	7	1	0	9
Overall - Total	2	8	396	1341	51	35	1833

Staff Turnover

Staff Terminations September 1, 2022 through August 31, 2023								
Reason	Admin	Tchr	Nurse	PTS	PTH	Para	Cust	Fd Srv
Continuing Education						5	1	1
Contract Expired						2		
Deceased		2						
Employment Outside Education		16		2	10	25	8	7
Personal / Family Reasons	1	25		1	8	32	11	8
Personal Health					1	6	9	2
Job Dissatisfaction		1			1	1	4	2
Long-term Disability		4			1			
Miscellaneous Resignation		4		1	2	6	7	7
Other Education Job		36		1	2	4		3
Performance								
Relocation	1	18	1	1	2	5	2	3
Resigned		2					3	1
Retired	4	38		2	7	11	7	6
Sabbatical Leave								
Unpaid Leave of Absence		14						
Reduction in Force								
Total	6	160	1	8	34	97	52	40

Total as a % of 22-23 Staff 7.0% 9.4% 20.0% 12.1% 18.2% 23.1% 28.3% 29.0%

History

2021-2022	8.1%	8.7%	20.0%	4.5%	25.7%	23.8%	30.5%	40.6%
2020-2021	1.2%	6.8%	20.0%	6.1%	17.7%	31.2%	19.1%	21.0%
2019-2020	2.3%	7.3%	14.3%	7.0%	17.9%	24.3%	12.4%	21.1%
2018-2019	5.9%	7.2%	14.3%	5.3%	14.1%	23.6%	14.5%	21.1%
2017-2018	10.3%	5.8%	14.0%	11.0%	11.0%	17.0%	9.8%	28.2%
2016-2017	4.6%	6.6%	14.3%	10.5%	11.4%	19.0%	8.8%	12.0%
2015-2016	10.3%	5.9%	14.3%	14.0%	13.0%	19.0%	6.2%	14.8%
2014-2015	1.0%	7.0%	0.0%	6.0%	4.9%	17.0%	8.3%	10.0%
2013-2014	5.7%	6.0%	0.0%	10.2%	5.0%	15.1%	11.9%	13.3%
2012-2013	8.0%	8.8%	6.7%	2.0%	11.0%	18.3%	7.3%	25.9%
2011-2012	13.8%	7.6%	0.0%	4.1%	9.3%	12.3%	8.8%	9.6%

Staff Distribution History

**Welcome
Delaney!**

**Joining the
MNHS
team in
January!**

SHINEwithMPS!

Proud to be
MP
MILLARD PUBLIC SCHOOLS

PERSONNEL REPORT

Personnel Distribution History

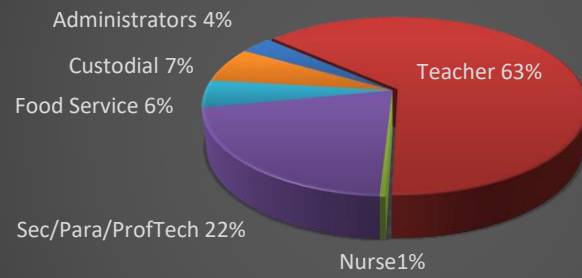
School Year	F.T.E.						Total Staff	Total Students	Ratios			
	Adm	Tch	Nur	PT/EP	FS	CM			Stu/ Staff	Stu/ Tea	Staff/ Adm	Tch/ Adm
89-90	70	980	8	261	81	118	1,518	16,248	10.7	16.6	20.7	14.0
90-91	71	1012	8	276	81	119	1,567	16,728	10.7	16.5	21.1	14.3
91-92	74	1068	9	319	83	123	1,676	17,198	10.3	16.1	21.6	14.4
92-93	77	1115	9	333	83	126	1,742	17,411	10.0	15.6	21.8	14.6
93-94	82	1133	9	351	84	131	1,789	17,594	9.8	15.5	20.9	13.9
94-95	82	1191	10	377	94	139	1,894	17,637	9.3	14.8	22.2	14.6
95-96	82	1229	11	423	110	139	1,994	17,988	9.0	14.6	23.5	15.1
96-97	82	1254	12	441	115	135	2,038	18,380	9.0	14.7	23.9	15.3
97-98	77	1283	12	448	115	128	2,062	18,678	9.1	14.6	25.8	16.7
98-99	79	1317	12	502	117	149	2,176	18,736	8.6	14.2	26.5	16.7
99-00	80	1362	13	511	125	162	2,252	18,698	8.3	13.7	27.2	17.0
00-01	80	1394	13	541	137	162	2,327	18,828	8.1	13.5	28.1	17.4
01-02*	81	1446	13	473	115	166	2,293	18,917	8.2	13.1	27.3	17.9
02-03	81	1455	13	482	115	169	2,315	19,084	8.2	13.1	27.6	18.0
03-04	79	1460	13	485	119	167	2,323	19,497	8.4	13.4	28.4	18.5
04-05	82	1476	13	475	125	173	2,344	19,972	8.5	13.5	27.6	18.0
05-06	85	1529	14	494	127	182	2,432	20,469	8.4	13.4	27.6	18.0
06-07	85	1582	15	507	127	180	2,495	21,120	8.5	13.4	28.4	18.6
07-08	87	1633	15	510	132	188	2,581	22,041	8.6	13.5	28.5	18.8
08-09	88	1671	15	529	137	198	2,638	22,129	8.4	13.2	29.0	19.0
09-10	88	1693	15	539	139	201	2,675	22,593	8.4	13.3	29.4	19.2
10-11	90	1731	15	540	143	201	2,719	22,755	8.4	13.1	29.2	19.2
11-12	87	1712	15	540	143	201	2,719	23,050	8.5	13.5	30.0	19.7
12-13	86	1697	15	533	139	187	2,660	23,348	8.8	13.8	29.9	19.7
13-14	87	1706	15	540	139	190	2,677	23,550	8.8	13.8	29.8	19.6
14-15	88	1714	14	540	142	193	2,691	23,700	8.8	13.8	29.6	19.5
15-16	88	1701	14	551	139	194	2,687	23,914	8.9	14.1	29.5	19.3
16-17	87	1690	12	555	142	193	2,679	23,977	8.9	14.2	29.8	19.4
17-18	87	1683	11	550	144	184	2,659	24,004	9.0	14.3	29.6	19.3
18-19	86	1679	12	561	140	180	2,658	24,035	9.0	14.3	29.9	19.5
19-20	86	1685	11	570	141	181	2,674	24,061	9.0	14.3	30.1	19.6
20-21	86	1703	10	572	141	181	2,693	23,659	8.8	13.9	30.3	19.8
21-22	86	1701	10	566	138	184	2,685	23,864	8.9	14.0	30.2	19.8
22-23	86	1707	11	560	134	172	2,670	23,685	8.9	13.9	30.0	19.8
23-24	87	1721	12	587	125	173	2,705	22,839	8.4	13.3	30.1	19.8

* FTE for paras changed from 5.5 to 8 hours per day = 1 FTE

* FTE for food service changed from 6.5 to 8 hours per day = 1 FTE

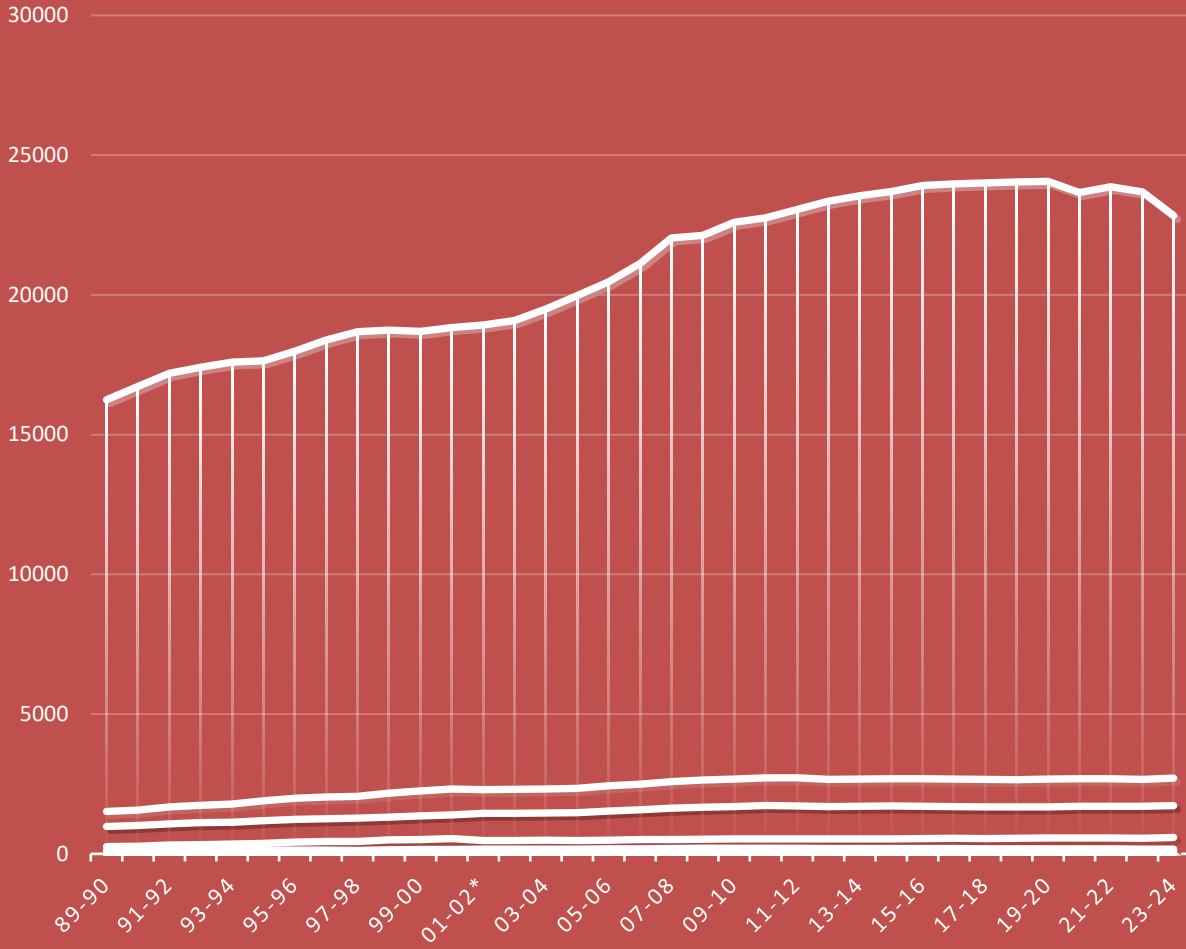
PERSONNEL REPORT

Personnel Distribution 2023-2024



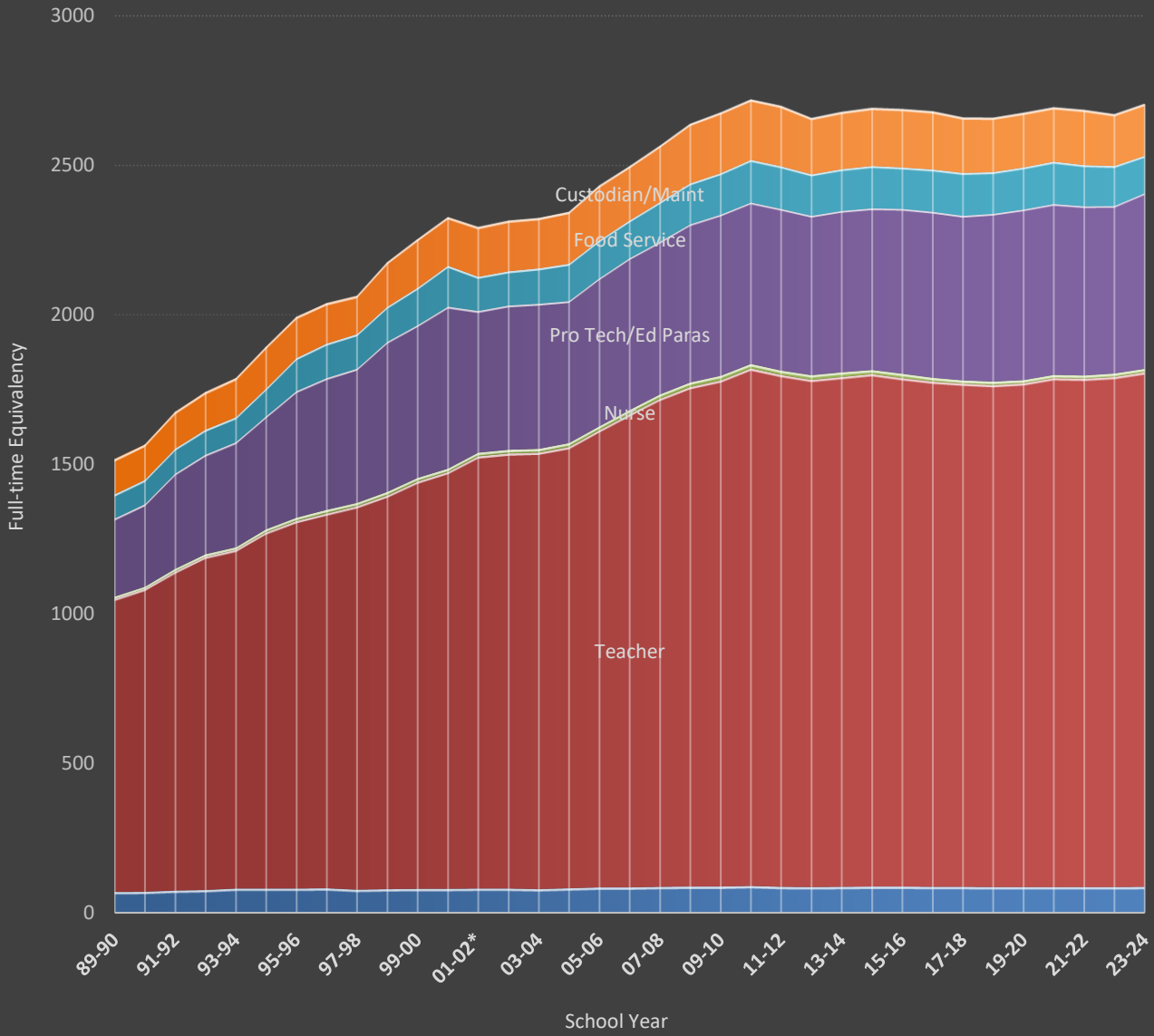
PERSONNEL REPORT

STUDENT ENROLLMENT



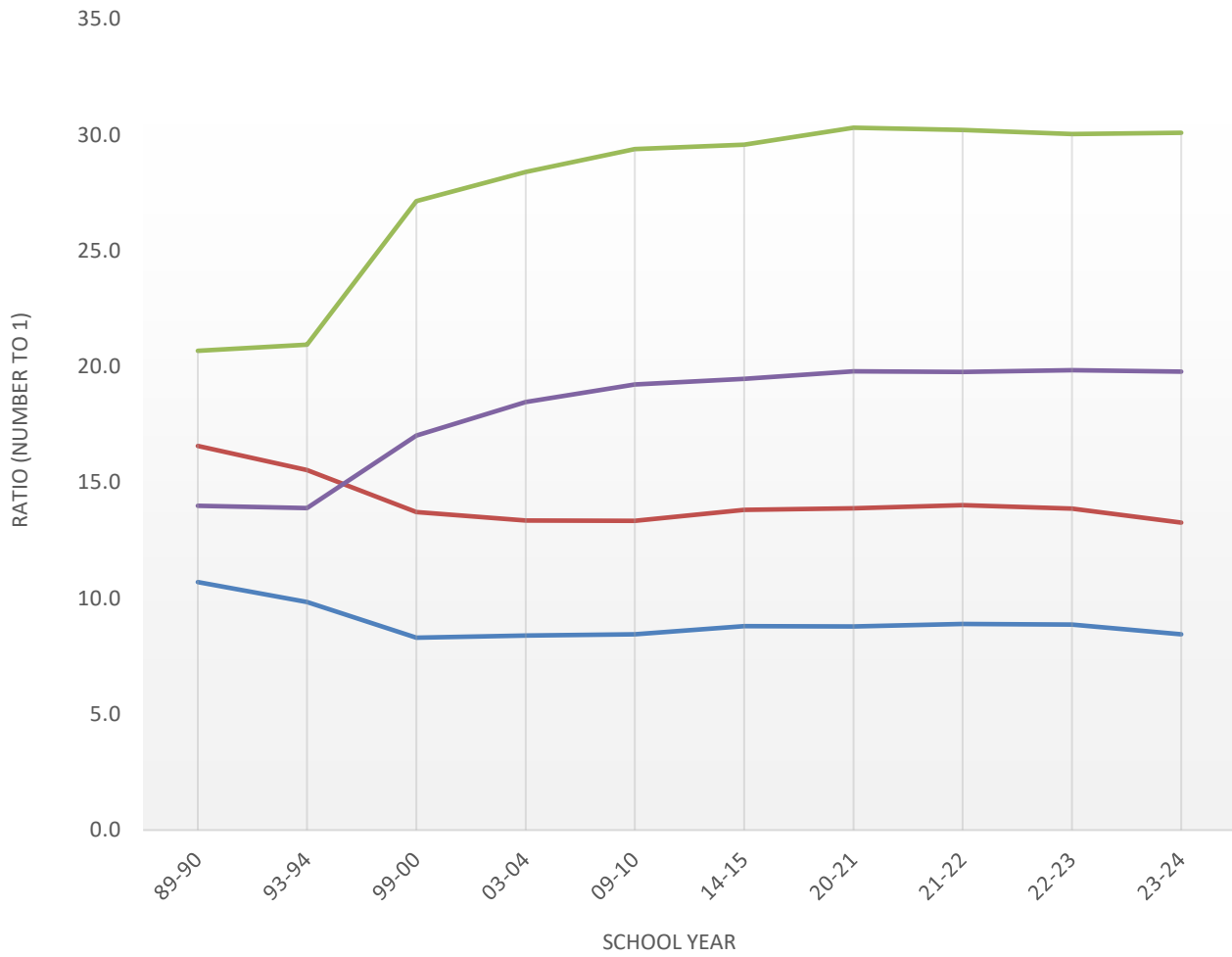
PERSONNEL REPORT

Personnel Distribution History



PERSONNEL REPORT

Staffing Ratios History



Stu/ Staff

Stu/ Tea

Staff/ Adm

Tch/ Adm

Teacher Retention for the Last 5 Years

Year	2018-2019		2019-2020		2020-2021		2021-2022		2022-2023	
Description	Rookie	All	Rookie	All	Rookie	All	Rookie	All	Rookie	All
# of New Hires	59	117	35	107	49	137	46	163	52	155
# leaving end of 18-19	1	1								
# leaving end of 19-20	3	4	5	12						
# leaving end of 20-21	5	9	3	9	3	4				
# leaving end of 21-22	3	10	3	11	10	9	5	11		
# leaving end of 22-23	0	1	0	0	8	20	8	15	6	18
First Year Retention Percent	98%	99%	86%	89%	84%	85%	89%	93%	88%	88%
# Still on Contract Current	47	92	24	75	28	104	33	137	46	137
Total Resignations Current	12	25	11	32	21	33	13	26	6	18
Percent Retained Current	80%	79%	69%	70%	57%	76%	72%	84%	88%	88%

One Year Retention Glance (Hired and Resigned in 2022-2023)

Description	Number
Resigned Personal Reasons	5
Relocation	3
Miscellaneous	3
Other Education Job	7
Family Reasons	0
Total Leaving	18