



2025-2026

North Branch Area High School

# REGISTRATION GUIDE



# Choice...Not Chance

The high school experience is all about transitioning from a teenager to a young adult. During this transition the ownership of choices that you make on a regular basis now shifts from the adults in your life to YOU! Successful people take time to reflect on their own strengths and interests. When you come to realize what these are, your future path becomes more clear. You no longer feel like school is something that is done TO YOU; it is something that you now have some ownership and control over. I like to call this "Choice, Not Chance."

In this registration guide, you will find a blend of courses that you are required to take and a plethora of elective courses that you have the opportunity to take. Do not take this opportunity lightly, as you take ownership of your future. Here at NBAHS, we have nearly 20 courses that you can earn college and high school credits for at no cost to you. We also have a growing number of Career and Technical Education (CTE) courses that allow you to learn specific career skills. Finally, we have an expanding Work Based Learning Program called Viking Bridge where you can earn high school credits, get paid AND get real life experience while interning with one of our dozens of local industry partners.

As educators, our chief goal is to prepare each of you to be College and/or Career ready. If your career interest leads you to a 2 or 4 year institution, military or directly to the work force, we have courses here at NBAHS to prepare you for that path. The choice is yours! Ask questions, seek advice, the future is right in front of you. Seize it!

SKOL!



Clint Link  
Principal NBAHS





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# EARNING COLLEGE CREDIT

Planning out your high school career is challenging and yet exciting. Ensuring a healthy balance of passion classes with classes that stretch and challenge your thinking is extremely important. As you research your course options and career pathways, it is important to know that the courses you register for align to your plan. Students earn credit by fulfilling the requirements of each course and earning a passing grade. Students earning an Incomplete for a course required for graduation must work with the teacher to develop a plan to complete the credit within a reasonable amount of time or recover the credit in our Night School program or Summer School.

## EARNING COLLEGE CREDIT

Students that register for college classes may earn college credit in addition to high school credit. These classes have a  listed next to the description. Students who take these courses generally score higher on the ACT. In addition, college admission counselors look for these courses when reviewing applications, as they are a good indicator of college preparedness. Please remember to have a healthy course balance that you can successfully manage.

### COLLEGE CREDIT IN HIGH SCHOOL

**CIS** - Students earn college credit and still benefit from the comprehensive high school experience. These rigorous, college level courses are offered at the high school, in conjunction with local colleges (U of MN, Anoka Ramsey Community College, Pine Technical College, and Century College). Students must meet eligibility criteria (see teacher and/or counselor) and earn a C or better to get college credit. Students participating in College in Schools courses have dual enrollment which means that the student is enrolled in both high school and college credit courses while completing the course on site at the high school.

**AP** - Students may earn college credit by taking Advanced Placement (AP) courses while in high school. These college level courses are taught in the high school for which students earn high school credit. Students may earn college credit by taking an Advanced Placement test in the spring. The number of credits students earn is determined by their score on the AP test and the college in which they become enrolled.

**PSEO** - Students may take a combination of NBAHS and Postsecondary Enrollment Options (PSEO) courses. Those enrolled in PSEO courses earn both college and high school credits at the same time. PSEO courses are taken directly through the post secondary institution (Anoka Ramsey Community College, U of MN, Century College, Minnesota North College, etc). PSEO options require more self direction as they are taken independently from the high school. Students must meet entry criteria to take these courses. If interested, contact your counselor as soon as possible. Students planning to attend full-time PSEO will not register for NBAHS courses.

**Articulated Credit** - Students may earn college credit through Articulated Credit courses. An articulation agreement means that a student who completes the course in high school will receive credit if the student earns a C or better and once they enroll in that specific college with which the agreement is set. Students may be enrolled in the specific college taking other courses while in high school or as part of their postsecondary plan.





# Path to College and Career Success

There have been several large transitions and milestones during your educational career. The obvious milestones are the transitions from elementary school to middle school and from middle school to high school. Now you are on your last milestone, the transition from high school to college and careers. Here are some things to think about as you are planning out your high school pathway. It is critical that you invest time and ask questions as you develop the last years of your K-12 education.



## College Check List

- ☐ Maintain GPA
- ☐ Take ACT
- ☐ Fill out FAFSA
- ☐ Apply for scholarships
- ☐ Take college tours
- ☐ Fill out applications
- ☐ Recommendation letters
- ☐ Career Exploration

## Career Check List

- ☐ Meet with Career Navigator
- ☐ Work Based Learning
- ☐ Practice interviewing
- ☐ Fill out application
- ☐ Career Exploration

# 4 YEAR COLLEGE

- College in the Schools
- 4 Years of Math & Science
- World Language
- Work Based Learning
- Co-curricular & Extra Curricular Activities

# 2 YEAR COLLEGE

- College in the schools
- Work Based Learning
- Co-curricular & Extra Curricular Activities

# MILITARY

- AFJROTC Leadership
- College in the Schools
- Mathematical Thinking
- Co-curricular & Extra Curricular Activities

# LIFE & CAREER

- CTE see pg. 29
- Mathematical Thinking
- Work Based Learning
- Co-curricular & Extra Curricular Activities



# THE BIG

## REDEFINING THE STUDENT EXPERIENCE: INTEGRATING

### College Readiness

Students are considered college ready if they meet either the academic or — standardized testing benchmarks listed below.

#### ACADEMIC INDICATORS

**GPA:** 2.8 out of 4.0

#### One or More of the Following:

- Dual credit College English and/or Math earning a C or better
- Algebra II earning a C or better

#### STANDARDIZED TEST INDICATORS

##### ACT

##### Test with Following Scores

- English - 18
- Reading - 22
- Science - 23
- Math - 22

##### MCA

##### Minnesota Comprehensive Assessment

- Reading - 1048
- Math - 1148

### College in the Schools

North Branch Area High School partners with several post-secondary colleges and universities. These partnerships allow students in grades 11 and 12 the opportunity to earn college credits while attending the high school. In the course catalog you will find specific course requirements.

#### Below are general guidelines for all post-secondary education partners:

- A student who enrolls in a College in the Schools course is considered a student at that college or university. Before students are officially registered for the course(s), they need to apply to the post-secondary school and meet the program eligibility and course requirements. The specific course prerequisites are listed on each course description.
- 11th and 12th grade: 2.6 cumulative GPA

Students in the program have access to services and staff at their partnering program while in the program. This includes advising, tutoring (free!), library services, on campus access for health facilities and student email. Information will be provided by the partnering school during the first weeks of the course, with materials and resources. Students are viewed as college students and the grades they earn will be reflected on a college transcript. Poor grades can follow a student and impact their ability to receive financial aid after high school graduation.

Students that register for classes with the following distinctions may earn college credit in addition to high school credit. These classes have a 🎓 listed next to the description. Students who successfully complete these courses generally score higher on the ACT. In addition, college admission counselors look for these courses when reviewing applications, as they are a good indicator of college preparedness.





# GOING BLUR

## GOING HIGH SCHOOL AND POST-SECONDARY PATHWAYS

JFF, June 2021

Whether you  
are in 11<sup>th</sup> grade  
or 8<sup>th</sup>, preparing for the  
next level of education is  
important.



### Career Readiness

Students are considered career ready if they have identified a career of interest and meet two of the behavioral and experiential benchmarks below.

#### LIFE READY BENCHMARKS

- 25 hours of community service
- Work Based Learning experiences
- Attend more than 90% of the school days

#### COMPLETED TWO OR MORE OF THE FOLLOWING

- Industry credentialing
- Participation in Career and Technical Education courses
- Two or more organized co-curricular activities

### Military Readiness

#### JROTC PROGRAM PARTICIPATION

##### Students Gain:

- Citizenship
- Wide breadth of leadership skills
- Military skill development
- Clarity of post-secondary pathways in the military (officer training or enlisted)
- Opportunities for multiple college scholarships

#### BENCHMARKS

- Vocational Aptitude Battery (ASVAB) is required for each branch of the military
- Attend more than 90% of the school days





# NORTH BRANCH AREA HIGH SCHOOL C

## ■ Marketing

- Marketing
- Sports Entertainment Travel & Marketing
- Advanced Marketing/DECA
- Advanced Tech for Yearbook
- Advertising & Promotion

## ■ Business, Management & Administration

- Foundations of Business
- Business in Action I & II
- Small Business Ownership
- Computer Applications

## ■ Hospitality & Tourism

- French I, II, III
- College French
- Spanish I, II, III
- College Spanish

## ■ Finance

- Personal Finance
- Introduction to Stats & Probability
- College Statistics

## ■ Agriculture, Food, & Natural Resources

- Advanced Wildlife and Natural Resources
  - Ag & Consumer Mechanics
  - Ag & Food Processing
  - Ag Leadership & Service
  - Fish & Wildlife Management
  - Floral

## CAREER FIELD

Agriculture & Natural Resources

## Foundational Knowledge

### Academic and Technical Skills

- Employability •
- Teamwork • Career
- Problem Solving
- Information Technology
- Legal Responsibility
- Safety, Health and
- Social Studies •
- English • Personal

## CAREER FIELD

Human Services

## CAREER FIELD

Health Science

## ■ Health Science

- Emergency Medical Responder
- Medical Terminology
- Viking IT II
- Introduction to Engineering Design
- Dynamic Decisions
- Health

## ■ Law, Public Safety, Corrections & Security

- Civil Law
- JROTC

## ■ Human Services

- FACS Exploration
- Child Care Development
- Beginning Foods & Nutrition
- Creative Foods
- Specialty Foods
- Prostart I & II
- Psychology
- College Psychology
- Sociology

## ■ Education & Services

- Teaching Assistant
- English 9, 10, 11, & 12
- College English
- Intro to Communications

## ■ Government and Public Administration

- JROTC
- French I, II, III
- College French
- Spanish I, II, III
- College Spanish
- World History
- Geography
- US History
- College US History I & II
- Economics
- American Government & Citizenship
- College Political Science
- College Ancient & Medieval World
- College WWII



# COURSES TOWARDS CAREER PATHWAYS

## Real Resources

- Design
- Advanced Floral Design
- Horticulture & Landscaping
- Large Animal Science
- Small Animal Science

## CAREER FIELD

ure, Food, Resources

## Foundation and Skills

### Technical Literacy

Ethics • Systems  
 eer Development  
 • Critical Thinking  
 nology Application  
 es • Communication  
 and Environment  
 o Math • Science  
 onal Finance

Science  
 nology

## CAREER FIELD

- Foundations of Sports Fitness
- Girls in Motion
- Individual & Dual Sports
- Strength & Conditioning I & II
- Team Sports

## ■ Arts, Audio/Video Technology, & Communications

- Beginning Piano
- Advanced Piano
- Beginning Guitar
- Beginning Band
- Advanced Guitar
- Jazz Band
- Symphonic Band
- Varsity Band
- Varsity Band/Choir
- Concert Choir
- Cantabile Choir
- Songwriting
- Valkyrie Choir
- Viking Choir

- Art Studio
- Ceramics I & II
- Creative Design
- Digital Arts
- Drawing
- Painting I & II
- Viking IT I, II, III, IV
- Creative Writing
- Computer Science Principles
- Computer Science A
- How to Make Almost Anything
- English 9, 10, 11, & 12
- College English

## ■ Information Technology

- Viking IT I, II, III, IV
- Computer Science Principles
- Computer Science A

## CAREER FIELD

Arts, Communications, & Information Systems

## ■ Transportation, Distribution & Logistics

- Auto I, II, III
- JROTC Milestone in Aviation
- Viking Shop

## ■ Manufacturing

- How to Make Almost Anything
- Basic Machining
- Advanced Machining
- Beginning Welding
- Advanced Welding
- Viking IT II

## ■ Science, Technology, Engineering & Math

- Introduction to Engineering & Design
- Earth Science
- Biology
- Chemistry
- Physics
- Human Anatomy & Physiology I & II
- College Biology
- College Chemistry
- Outdoor Adventures
- Geometry
- Intermediate Algebra
- Algebra II
- Introduction to Statistics & Probability
- College Algebra & Trigonometry
- College Calculus
- College Statistics



# CLASS OFFERINGS

## CORE CLASSES

<b>ENGLISH LANGUAGE ARTS</b>	<b>SEM 1</b>	<b>SEM 2</b>
English 9	1002	2002
English 10	1038	2038
English 11/12	10181	20181
College English	1050	2050

<b>MATH</b>	<b>SEM 1</b>	<b>SEM 2</b>
Geometry	1123	2123
Intermediate Algebra	1106	2106
Algebra II	1126	2126

<b>SCIENCE</b>	<b>SEM 1</b>	<b>SEM 2</b>
Earth Science	1305	2305
Biology	1310	2310
Chemistry	1320	2320
Physics	1322	2322
College Chemistry	1321	2321

<b>SOCIAL STUDIES</b>	<b>SEM 1</b>	<b>SEM 2</b>
World History I & II	1433	2433
Geography	1425	1425
US History	1413	1414
College US History I & II	1443	2443
Economics	1438	1438
American Government & Citizenship	1460	1460
Personal Finance	1610	1610

## ELECTIVES

<b>AFJROTC</b>	<b>SEM 1</b>	<b>SEM 2</b>
Exploring Space	1502	2502
AS 400: Management of the Cadet Corps	1499	2499
Aviation Honors Ground School	1522	2522

<b>AGRICULTURE</b>	<b>SEM 1</b>	<b>SEM 2</b>
Advanced Wildlife and Natural Resources	1521	1521
Ag & Consumer Mechanics	1737	1737
Ag & Food Processing	1738	1738
Ag Leadership & Service	1520	1520
Fish & Wildlife Management	1514	1514
Floral Design	1513	1513
Advanced Floral Design	1512	1512
Horticulture & Landscaping	1735	1735
Large Animal Science	1517	1517
Small Animal Science	1518	1518

<b>ART</b>	<b>SEM 1</b>	<b>SEM 2</b>
Art Studio	1561	1561
Ceramics I	1553	1553
Ceramics II	1552	1552
Creative Design	1555	1555

Digital Arts	1551	1551
Drawing	1565	1565
Painting I	1569	1569
Painting II	1570	1570

<b>BUSINESS</b>	<b>SEM 1</b>	<b>SEM 2</b>
Advanced Tech for Yearbook	1631	2631
Advanced Marketing/DECA	1603	2603
Advertising and Promotion	1602	1602
Business in Action Retailing I	1609	2609
Business in Action Retailing II	1606	2606
Computer Applications	1714	1714
Foundations of Business	1604	1604
Marketing	1601	1601

<b>COMMUNICATION TECHNOLOGY</b>	<b>SEM 1</b>	<b>SEM 2</b>
Computer Science A	1715	2715
Computer Science Principles	1716	2716
Introduction to Engineering I	17041	
Introduction to Engineering II		17042
Viking IT I	1893A	1893A
Viking IT II	1893B	1893B
Viking IT III	1893C	1893C
Viking IT IV	1893D	1893D

<b>ENGLISH ELECTIVES</b>	<b>SEM 1</b>	<b>SEM 2</b>
Creative Writing	1053	1053

<b>FACS</b>	<b>SEM 1</b>	<b>SEM 2</b>
Beginning Foods & Nutrition	1666	1666
Child Care Development	1677	1677
Creative Foods	1667	1667
FACS Exploration	1671	1671
Prostart I	1675	2675
Prostart II	1676	2676
Specialty Foods	1669	1669

<b>HEALTH CAREERS</b>	<b>SEM 1</b>	<b>SEM 2</b>
Emergency Medical Responder	2230EMD	2230EMD
Medical Terminology	1773	1773
Nursing Assistant Training	2230	2230

<b>MANUFACTURING</b>		
Beginning Machining	1719	1719
Advanced Machining	1720	1720
Beginning Welding	1509	1509
Advanced Welding	1510	1510

<b>MATH ELECTIVES</b>	<b>SEM 1</b>	<b>SEM 2</b>
Intro to Statistics & Probability	1108	1108
College Algebra/Trigonometry	1170	2170
College Calculus	1181	1181
College Statistics	1112	1112



# CLASS OFFERINGS

<b>MUSIC</b>		<b>SEM 1</b>	<b>SEM 2</b>		
Beginning Piano		1759	1759	College World War II	1457 1457
Advanced Piano		1762	1762	Personal Finance	1610 1610
Beginning Guitar		1761	1761	Sociology	1440 1440
Advanced Guitar		1765	1765	<b>TRANSPORTATION</b>	
Beginning Band		1749B	2749B	Auto I - Introduction to Auto	1724 1724
Symphonic Band		1750	2750	Auto II - Brakes	1725 1725
Varsity Band		1749	2749	Auto III - Vehicle Service	1727 1727
Varsity Band/Choir		1764	2764	Viking Shop	1727S 2727S
Concert Choir		1757	2757	<b>VIKING BRIDGE</b>	
Cantabile Choir		1769	2769		<b>SEM 1 SEM 2</b>
Valkyrie Choir		1755	2755	Work Based Learning Seminar	1613 1613
Viking Choir		1753	2753	Work Based Learning: Business & Marketing	1612 2612
Songwriting		1770	1770	Work Based Learning: Early Education	1689 2689
<b>PHYSICAL EDUCATION &amp; HEALTH</b>		<b>SEM 1</b>	<b>SEM 2</b>	Work Based Learning: Family & Consumer Science	1686 2686
Dynamic Decisions: Your Move Your Choice		1228	1228	Work Based Learning: Trade & Industry	1687 2687
Foundations of Sports Fitness		1207	1207	Supervised Agricultural Experience	1688 2688
Girls in Motion		1206	1206	Teaching Assistant	1887 2887
Individual & Dual Sports		1221	1221	<b>WORLD LANGUAGE</b>	
Health		1204	1204		<b>SEM 1 SEM 2</b>
Team Sports		1222	1222	French I	1783 2783
Strength & Conditioning I		1220	1220	French II	1786 2786
Strength & Conditioning II		1226	1226	French III	1789 2789
<b>SCIENCE ELECTIVES</b>		<b>SEM 1</b>	<b>SEM 2</b>	College French	1792 2792
College Biology		1311	2311	Spanish I	1795 2795
Human Anatomy & Physiology		1326	2326	Spanish II	1798 2798
Outdoor Adventures		1324	1324	Spanish III	1800 2800
<b>SOCIAL STUDIES ELECTIVES</b>		<b>SEM 1</b>	<b>SEM 2</b>	College Spanish	1806 2806
College Ancient & Medieval World History		1456	1456	<b>OTHER COURSES</b>	
College Political Science		1459	1459		<b>SEM 1 SEM 2</b>
College Psychology		1455	1455	Viking Seminar	1889 2889
				Study Hall	2891 2891



# Class of 2026 Graduation Requirements

## ENGLISH - LANGUAGE ARTS

4.0  
TOTAL CREDITS

English 9

1

English 10

1

English 11

1

English 12

1

## MATHEMATICS

3.0  
TOTAL CREDITS

Geometry

1

Intermediate Algebra

1

Algebra 2

1

## SCIENCE

3.0  
TOTAL CREDITS

Physical Science

1

Biology

1

Chemistry/Physics

1

## SOCIAL STUDIES

3.5  
TOTAL CREDITS

American Government & Citizenship

.5

World History

1

US History

1

Economics

.5

Geography

.5

## PHYSICAL EDUCATION/HEALTH

1.0  
TOTAL CREDITS

Health

.5

PE

.5

## ART

1  
TOTAL CREDITS

ART

1

## ELECTIVES

8  
TOTAL CREDITS

Electives

8

**Total Credits Required for Graduation**

**23.5**



# CLASS OF 2026 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: \_\_\_\_\_

## 4 Year Plan:

Fill in the Courses you will take each year

9 <sup>th</sup> Grade	
1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English 9	English 9
Math:	Math:
World History	World History
Physical Science	Physical Science
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
10 <sup>th</sup> Grade	
1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English 10	English 10
Math:	Math:
Biology	Biology
Geography	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
11 <sup>th</sup> Grade	
1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English:	English:
Math:	Math:
Chemistry/Physics	Chemistry/Physics
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
12 <sup>th</sup> Grade	
1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English:	English:
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:

Student ID: \_\_\_\_\_

**Directions:** Put the letter grade in the appropriate box after meeting that requirement. All white boxes must be filled in for graduation. Anything filled in a subject area in the gray boxes will count as elective credits.

Subject	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits
Graduation Requirements							
<b>English</b> 4 Credits							
<b>Math</b> 3 Credits							
<b>Physical Science</b> 1 Credit							
<b>Biology</b> 1 Credit							
<b>Chemistry or Physics</b> 1 Credit							
<b>World History</b> 1 Credit							
<b>Geography</b> .5 Credits							
<b>US History</b> 1 Credit							
<b>American Government &amp; Citizenship</b> .5 Credits							
<b>Economics</b> .5 Credits							
<b>PE</b> .5 Credits							
<b>Health</b> .5 Credits							
<b>Art</b> 1 Credit							
<b>Electives</b> 8 Credits							

# Class of 2027 Graduation Requirements

## ENGLISH - LANGUAGE ARTS

4.0  
TOTAL CREDITS

English 9

1

English 10

1

English 11

1

English 12

1

## MATHEMATICS

3.0  
TOTAL CREDITS

Geometry

1

Intermediate Algebra

1

Algebra 2

1

## SCIENCE

3.0  
TOTAL CREDITS

Physical Science

1

Biology

1

Chemistry/Physics

1

## SOCIAL STUDIES

3.5  
TOTAL CREDITS

American Government & Citizenship

.5

World History

1

US History

1

Economics

.5

Geography

.5

## PHYSICAL EDUCATION/HEALTH

1.0  
TOTAL CREDITS

Health

.5

PE

.5

## ART

8  
TOTAL CREDITS

ART

1

## ELECTIVES

8  
TOTAL CREDITS

Electives

7.5

## OTHER COURSE

.5  
TOTAL CREDITS

Freshman Seminar

.5

**Total Credits Required for Graduation**

**23.5**



# CLASS OF 2027 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: \_\_\_\_\_

## 4 Year Plan:

Fill in the Courses you will take each year

9 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English 9	English 9
Math:	Math:
World History	World History
Physical Science	Physical Science
Freshman Seminar	Elective:
Elective:	Elective:
Elective:	Elective:
10 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English 10	English 10
Math:	Math:
Biology	Biology
Geography	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
11 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English:	English:
Math:	Math:
Chemistry/Physics	Chemistry/Physics
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
12 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English:	English:
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:

Student ID: \_\_\_\_\_

**Directions:** Put the letter grade in the appropriate box after meeting that requirement. All white boxes must be filled in for graduation. Anything filled in a subject area in the gray boxes will count as elective credits.

Subject	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits
Graduation Requirements							
<b>English</b> 4 Credits							
<b>Math</b> 3 Credits							
<b>Physical Science</b> 1 Credit							
<b>Biology</b> 1 Credit							
<b>Chemistry or Physics</b> 1 Credit							
<b>World History</b> 1 Credit							
<b>Geography</b> .5 Credits							
<b>US History</b> 1 Credit							
<b>American Government &amp; Citizenship</b> .5 Credits							
<b>Economics</b> .5 Credits							
<b>PE</b> .5 Credits							
<b>Health</b> .5 Credits							
<b>Art</b> 1 Credits							
<b>Viking Seminar</b> .5 Credits							
<b>Electives</b> 7.5							

# Class of 2028 Graduation Requirements

## ENGLISH - LANGUAGE ARTS

4.0  
TOTAL CREDITS

English 9	1
English 10	1
English 11	1
English 12	1

## MATHEMATICS

3.0  
TOTAL CREDITS

Geometry	1
Intermediate Algebra	1
Algebra 2	1

## SCIENCE

3.0  
TOTAL CREDITS

Earth Science	1
Biology	1
Chemistry/Physics	1

## SOCIAL STUDIES

4.0  
TOTAL CREDITS

World History	1
Geography	.5
US History	1
Economics	.5
American Government & Citizenship	.5
Personal Finance	.5

## PHYSICAL EDUCATION/HEALTH

1.0  
TOTAL CREDITS

Health	.5
PE	.5

## ART

1.0  
TOTAL CREDITS

ART	1
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## ELECTIVES

7.5  
TOTAL CREDITS

Electives	7.5
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## OTHER COURSE

.5  
TOTAL CREDITS

Freshman Seminar	.5
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**Total Credits Required for Graduation**

**24**



# CLASS OF 2028 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: \_\_\_\_\_

## 4 Year Plan:

Fill in the Courses you will take each year

9 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English 9	English 9
Math:	Math:
World History	World History
Earth Science	Physical Science
Freshman Seminar	Freshman Seminar
Elective:	Elective:
Elective:	Elective:
10 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English 10	English 10
Math:	Math:
Biology	Biology
Geography	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
11 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English:	English:
Math:	Math:
Chemistry/Physics	Chemistry/Physics
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
12 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English:	English:
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:

Student ID: \_\_\_\_\_

Directions: Put the letter grade in the appropriate box after meeting that requirement. All white boxes must be filled in for graduation. Anything filled in a subject area in the gray boxes will count as elective credits.

Subject	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits
Graduation Requirements						
English 4 Credits						
Math 3 Credits						
Earth Science 1 Credit						
Biology 1 Credit						
Chemistry or Physics 1 Credit						
World History 1 Credit						
Geography .5 Credits						
US History 1 Credit						
Economics .5 Credits						
American Government & Citizenship .5 Credits						
Personal Finance .5 Credits						
PE .5 Credits						
Health .5 Credits						
Art 1 Credits						
Viking Seminar .5 Credits						
Electives 7.5						

# Class of 2029 Graduation Requirements

## ENGLISH - LANGUAGE ARTS

4.0  
TOTAL CREDITS

English 9	1
English 10	1
English 11	1
English 12	1

## MATHEMATICS

3.0  
TOTAL CREDITS

Geometry	1
Intermediate Algebra	1
Algebra 2	1

## SCIENCE

3.0  
TOTAL CREDITS

Earth Science	1
Biology	1
Chemistry/Physics	1

## SOCIAL STUDIES

4.0  
TOTAL CREDITS

World History	1
Geography	.5
US History	1
Economics	.5
American Government & Citizenship	.5
Personal Finance	.5

## PHYSICAL EDUCATION/HEALTH

1.0  
TOTAL CREDITS

Health	.5
PE	.5

## ART

1.0  
TOTAL CREDITS

ART	1
-----	---

## ELECTIVES

7.5  
TOTAL CREDITS

Electives	7.5
-----------	-----

## OTHER COURSE

.5  
TOTAL CREDITS

Freshman Seminar	.5
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**Total Credits Required for Graduation**

**24**



# CLASS OF 2029 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: \_\_\_\_\_

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Fill in the Courses you will take each year

9 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
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World History	World History
Earth Science	Physical Science
Freshman Seminar	Freshman Seminar
Elective:	Elective:
Elective:	Elective:
10 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English 10	English 10
Math:	Math:
Biology	Biology
Geography	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
11 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English:	English:
Math:	Math:
Chemistry/Physics	Chemistry/Physics
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
12 <sup>th</sup> Grade	2 <sup>nd</sup> Semester
English:	English:
Social Studies:	Social Studies:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:
Elective:	Elective:

Student ID: \_\_\_\_\_

**Directions:** Put the letter grade in the appropriate box after meeting that requirement. All white boxes must be filled in for graduation. Anything filled in a subject area in the gray boxes will count as elective credits.

Subject	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits
Graduation Requirements							
<b>English</b> 4 Credits							
<b>Math</b> 3 Credits							
<b>Earth Science</b> 1 Credit							
<b>Biology</b> 1 Credit							
<b>Chemistry or Physics</b> 1 Credit							
<b>World History</b> 1 Credit							
<b>Geography</b> .5 Credits							
<b>US History</b> 1 Credit							
<b>Economics</b> .5 Credits							
<b>American Government &amp; Citizenship</b> .5 Credits							
<b>Personal Finance</b> .5 Credits							
<b>PE</b> .5 Credits							
<b>Health</b> .5 Credits							
<b>Art</b> 1 Credits							
<b>Viking Seminar</b> .5 Credits							
<b>Electives</b> 7.5							

# REQUIRED COURSES





# 9<sup>TH</sup> GRADE REQUIRED COURSES

## 9<sup>TH</sup> GRADE ENGLISH

**SEMESTER 1 #1002**

**SEMESTER 2 #2002**

Speaking, reading, writing, listening, viewing and researching skills are strengthened in this course through vocabulary-building exercises, media center resource use, reading of novels and nonfiction pieces, presentation and writing of research projects and personal writing.

## GEOMETRY

**SEMESTER 1 #1123**

**SEMESTER 2 #2123**

Geometry explores Euclidean geometry, geometric relationships, congruence, similarity, transformations and coordinate geometry. Students develop logical thinking, spatial reasoning and problem-solving skills through hands-on activities and real-world

applications.

## EARTH SCIENCE

**SEMESTER 1 #1305**

**SEMESTER 2 #2305**

Did you know that your body is composed of many of the same elements that the stars are made of? Earth Science explores seismic energy, water properties, climate change, orbital motion and the formation of Earth. Students will analyze geoscience data, develop models, and evaluate evidence to understand Earth's internal structure, surface processes, changes to Earth's climate and the universe's formation. The course aims to cultivate critical thinking and scientific inquiry skills essential for addressing real-world challenges. With knowledge gained in this course, students will be able to make 'science sense' of Earth's many phenomena.

## WORLD HISTORY

**SEMESTER 1 #1433**

**SEMESTER 2 #2433**

From the ancient wonders of Egypt and

Mesopotamia to the great empires and revolutions, we'll uncover the stories of people and events that have shaped our global community.

Through lively discussions, hands-on projects and captivating stories, you'll explore the rise and fall of civilizations, the impact of key historical figures and the connections between past and present. By the end of this course, you'll have a deeper understanding of how history has shaped our world and how it continues to influence our lives today.

## PICK A PE OR HEALTH

### HEALTH

**SEMESTER COURSE #1204**

This course provides students with a comprehensive understanding of health and wellness, covering topics such as physical, mental and emotional health, nutrition, disease prevention and healthy decision-making. Students will engage in interactive learning experiences to develop essential life skills and make informed choices that promote lifelong well-being.

## SEE PAGE 54 FOR PE OPTIONS

## VIKING SEMINAR

**SEMESTER 1 #1889**

**SEMESTER 2 #2889**

The Viking Seminar is specifically designed to support first-year high school students in their transition to the high school environment. This course aims to facilitate a deeper understanding of the learning process and equip students with essential academic skills necessary for their success. Through a combination of interactive activities, discussions and reflective exercises, the Viking Seminar seeks to empower students to navigate their high school journey with confidence, resilience, and a clear vision for their future academic and career aspirations.

# 10<sup>TH</sup> GRADE REQUIRED COURSE

## ENGLISH LANGUAGE ARTS 10

**SEMESTER 1 #1038**

**SEMESTER 2 #2038**

English 10 is an exciting course where we strengthen our speaking, reading, writing, listening, viewing and researching skills through vocabulary-building exercises and media center resource use. In

English 10, we read the novel *Lord of the Flies* and the Shakespeare play *Romeo and Juliet*, along with other miscellaneous nonfiction pieces. Students give multiple presentations and create research-based projects that will prepare them with skills for whatever they choose to do past graduation.

### PICK 1 MATH

## INTERMEDIATE ALGEBRA

**SEMESTER 1 #1106**

**SEMESTER 2 #2106**

Intermediate Algebra delves into linear and quadratic equations, systems of equations, functions, inequalities and polynomials. Students apply algebraic concepts to real-world scenarios, honing problem-solving skills and deepening their understanding of mathematical reasoning and modeling.

## ALGEBRA II

**SEMESTER 1 #1126**

**SEMESTER 2 #2126**

### *Prerequisite Instructor Approval*

Algebra 2 covers advanced topics such as functions, polynomials, rational expressions, radical and exponential functions. Students will apply these concepts to real-world problems, develop critical thinking skills and prepare for higher level mathematics and college readiness.

## BIOLOGY

**SEMESTER 1 #1310**

**SEMESTER 2 #2310**

This yearlong 10th grade course begins with a grounding in scientific methodology and a

foundational understanding of the characteristics of living things. Biology students will investigate the organization of living things

from molecules to population dynamics and how this organization impacts life and survival. Modeling and hands-on experiences will be used to understand heredity and biological evolution. Students will work collaboratively to recognize the significance that these topics have on our own lives and our interactions with our environment and impacts we have on our world.

## GEOGRAPHY

**SEMESTER COURSE #1425**

*Can be taken semester 1 or 2*

From understanding physical features and human geography to exploring globalization, geopolitics and environmental challenges, students will develop spatial awareness and critical thinking.

Through map analysis, collaborative projects and discussions, students will appreciate cultural diversity and grasp the interconnected nature of our global community. Structured lessons are minimal as students take control of their learning through this mostly project-based class where they have opportunities to learn about topics of interest to them.





HEALTH

SEMESTER COURSE #1204

This course provides students with a comprehensive understanding of health and wellness, covering topics such as physical, mental and emotional health, nutrition, disease prevention and healthy decision-making. Students will engage in interactive learning experiences to develop essential life skills and make informed choices that promote lifelong well-being.

SEE PAGE 54 FOR PE OPTIONS



11<sup>TH</sup> GRADE REQUIRED COURSE

ENGLISH

ENGLISH 11/12

SEMESTER 1 #10181

SEMESTER 2

#20181

The English 11/12 curriculum is designed to empower students through advanced writing skills, literary analysis and critical thinking. Students will engage in close reading of diverse texts, explore various genres of literature and hone their writing abilities through in-depth analysis and composition. The course aims to cultivate a deep understanding of language and literature, fostering students' ability to articulate complex ideas, think critically and communicate effectively in both written and verbal forms. Students will be encouraged to make real-life connections to the curriculum and apply their learning to their future careers and education.

YEAR 3 PICK 1 MATH

ALGEBRA II

SEMESTER 1 #1126

SEMESTER 2 #2126

*Prerequisite: Algebra I, Geometry*

Algebra 2 covers advanced topics such as functions, polynomials, rational expressions, radical, and exponential functions. Students will apply these concepts to real-world problems, develop critical thinking skills and prepare for higher-level mathematics and college readiness.

INTRODUCTION TO STATISTICS & PROBABILITY

SEMESTER COURSE #1108

*Prerequisite: Algebra II*

This is a one semester introductory course that introduces students to the concepts and tools for collecting, analyzing, and drawing conclusions from the data. There are three themes covered in the course: Exploring

Data, Sampling and Experimentation, and Probability and Simulation. Students will use technology, investigations, problem solving and writing as they build conceptual understanding. This course will give students the foundational understandings of statistics needed for college statistics.

## COLLEGE ALGEBRA/TRIGONOMETRY

**SEMESTER 1 #1170**

**SEMESTER 2 #2170**

**Prerequisite:** *Algebra II, 2.8 GPA*

**College Level:** *7 College Credits*

Prepares students for Calculus I. Topics include functions and function inverses; exponential and logarithmic functions; polynomial and simple rational functions; systems of equations and inequalities; sequences and series; probability; and modeling. Second semester topics covered are trigonometric and circular functions; trigonometric identities and equations; inverse trigonometric functions; rational

functions;  
introduction to  
matrices and  
determinants;  
conics;  
parametric  
equations; polar  
coordinates; and  
modeling. The

completion of two years of high school algebra and one year of high school geometry and college-level reading is recommended.

**Yearlong:** *Must register for both semesters*

## COLLEGE CALCULUS

**SEMESTER 1 #1181**

**Prerequisite:** *College Algebra, 2.8 GPA*

**College Level:** *5 College Credits*

Transfer course intended for bachelor programs in technology, engineering, mathematics or science, including natural, physical and social sciences.

Topics include limits, derivatives (including trigonometric functions), continuity, applications of derivatives to related rates, optimization and graphing, simple differential equations, Riemann Sums, basic integration techniques, definite integral and the

Fundamental

Theorem of

Calculus.

Students will

become

proficient with

appropriate

technology.

## COLLEGE STATISTICS

**SEMESTER 2 #1112**

**Prerequisite:** *Algebra II, 2.8 GPA*

**College Level:** *4 College Credits*

Introductory college course in data description and analysis using graphical and numerical methods.

Students will work with discrete and continuous random variables and their probability distributions with emphasis on the normal distribution. Topics include: experimental design and sampling methods; confidence intervals, sample size and hypothesis testing for one and two population means or proportions; t and z tests, chi-square tests, analysis of variance (ANOVA) and linear regression; use of statistical software.

## PICK 1 SCIENCE

### CHEMISTRY

**SEMESTER 1 #1320**

**SEMESTER 2 #2320**

Students will explore the fundamental principles of matter, atomic structure, chemical bonding, and reactions. The curriculum aligns with the Minnesota

State Science  
Standards,  
emphasizing  
inquiry-based  
learning, critical  
thinking and the  
application of  
chemical  
concepts to

practical scenarios. Students will engage in hands-on laboratory experiments, data analysis and collaborative problem-solving to develop a deep understanding of chemical interactions and their impact on the world around them.

### PHYSICS

**SEMESTER 1 #1322**

**SEMESTER 2 #2322**

Through a combination of hands-on labs and real-life problem-solving, students will develop a deep understanding of the principles and laws that govern the movement of objects. They will explore concepts such as velocity, acceleration, force and energy, and apply these concepts to analyze and predict the motion of objects

in various

scenarios. By

engaging in

hands-on

experiments and

practical

activities,

students will not

only gain a solid foundation in physics but also

develop critical thinking and problem-solving skills.

This course will empower students to make

connections between the principles of physics and

the world around them, sparking curiosity and

instilling a love for the subject.

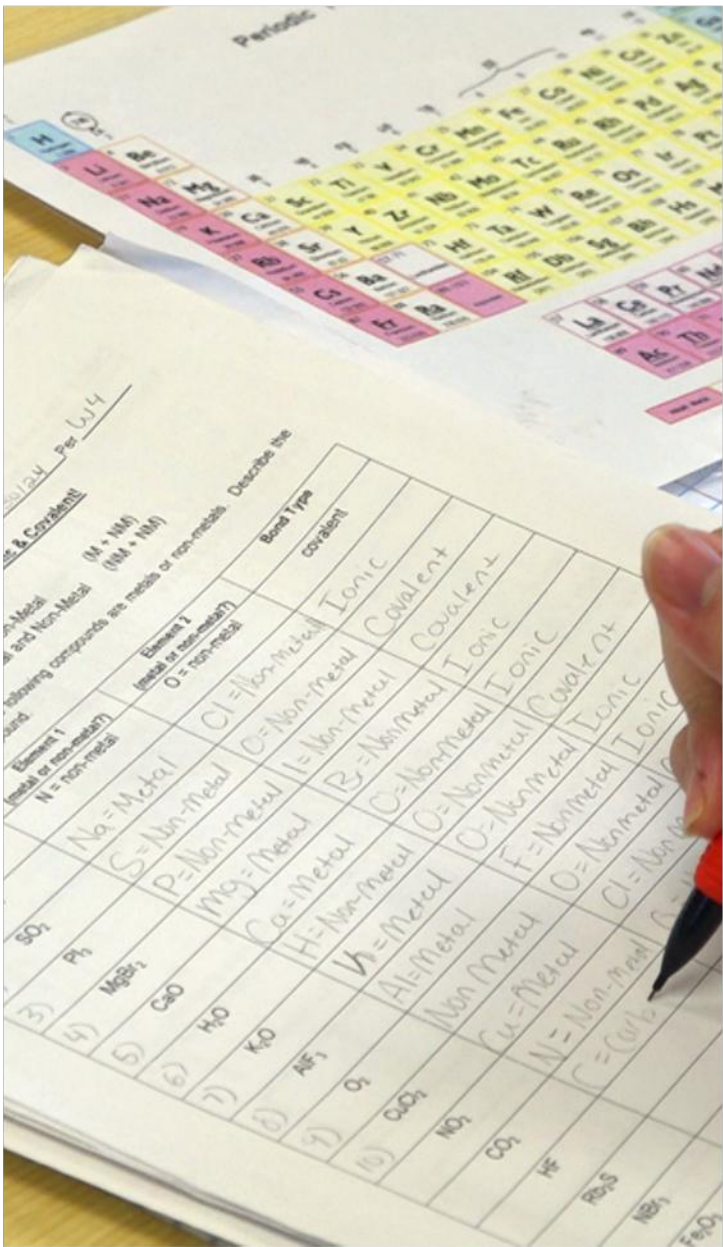


# COLLEGE CHEMISTRY

**SEMESTER 1 #1321**  
**SEMESTER 2 #2321**

**Prerequisite:** 2.6 GPA  
**College Level:** 4 College Credits

**Yearlong:** This is a college introductory course in chemistry emphasizing elementary principles and applications intended for non-science and allied health majors and preparation for the Principles of Chemistry sequence. Topics include matter, measurement, atomic theory, bonding theory, nomenclature, organic chemistry, stoichiometry and the mole concept, reactions, liquids and solids, solutions, and acid-base chemistry. This course meets the requirements for Minnesota Transfer Curriculum Goal 3 Natural Science.



# SOCIAL STUDIES (MUST TAKE BETWEEN 11TH & 12TH GRADE)

## US HISTORY

**SEMESTER 1 #1413**  
Discover the story of America's past in this 11th-grade US History course, Part 1. From the early days of America to the end of Reconstruction, students will learn about the important events, people, and changes that have shaped the United States. Through interesting discussions, reading primary sources and fun activities, students will gain a deep understanding of how the country has changed over time. This course will help students think critically, understand history better and see how it still affects us today.

**SEMESTER 2 #1414**  
Continue the journey through America's history in this 11th-grade US History course, Part 2. From the late 1800s to today, students will learn about the important events, people and changes that have shaped the United States. Through interesting discussions, reading primary sources, and fun activities, students will gain a deep understanding of how the country has changed over time. This course will help students think critically, understand history better and see how it still affects us today.

OR

## COLLEGE US HISTORY

**SEMESTER 1 #1443**  
**Prerequisite:** 2.6 GPA  
**College Level:** 8 ARCC College Credits

is a survey of U.S. History to about 1876 including such topics as indigenous peoples, exploration, colonial times, the American Revolution and Constitution, the young republic, growth of democracy, territorial expansion, slavery, Civil War, and Reconstruction.

**SEMESTER 2 #2443**  
Semester 2 is a survey of U.S. history from about 1877-present including such topics as industrialization, Populist protest, U.S. imperialism, progressivism, the Great War, the Great Depression, the New Deal, WWII and the post-war era.

## ECONOMICS

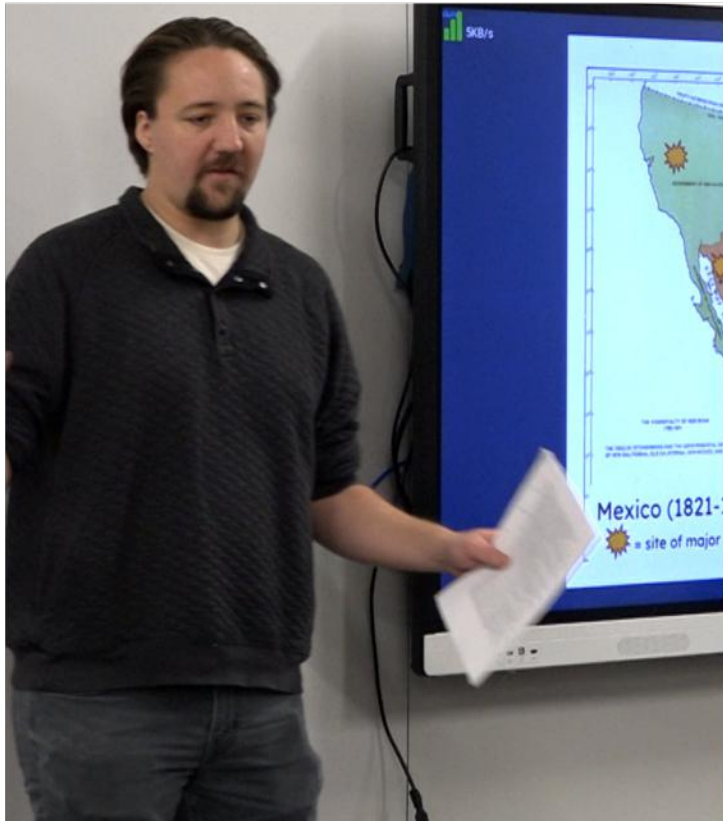
### SEMESTER COURSE #1438

Uncover the fundamental principles of economics through a dynamic exploration of micro and macroeconomics, business and entrepreneurship, the government's role in the economy and personal finance. Students will engage with real-world economic issues, develop critical thinking skills and apply economic theories to contemporary challenges. This course equips students with the knowledge and skills to comprehend, analyze and contribute to the ever-evolving economic landscape.

## AMERICAN GOVERNMENT & CITIZENSHIP

### SEMESTER COURSE #1460

Explore the foundations of the American government in Senior Government. This course covers the Constitution, the three branches of government, state and local governance, separation of powers and pivotal Supreme Court cases. Engage in discussions, critical analysis and interactive activities to develop a nuanced understanding of your role as an informed citizen.



# 12<sup>TH</sup> GRADE REQUIRED COURSE

## PICK 1 ENGLISH

### COLLEGE ENGLISH

#### SEMESTER #1 1050

#### SEMESTER #2 2050

**Prerequisites:** ENGL 0950 or ELL 0850 with a grade of C or better or achievement of recommended score on the English placement test

Provides extended practice in critical reading, writing, and thinking. Course content includes the writing process, essential composition skills and critical reasoning in various rhetorical situations. The course requires effectively reasoned and supported essays including an argumentative research paper.

## ENGLISH 11/12

#### SEMESTER 1 #10181

#### SEMESTER 2 #20181

The English 11/12 curriculum is designed to empower students through advanced writing skills, literary analysis and critical thinking.

Students will engage in close reading of diverse texts, explore various genres of literature and hone their writing abilities through in-depth analysis and composition. The course aims to cultivate a deep understanding of language and literature, fostering students' ability to articulate complex ideas, think critically and communicate effectively in both written and verbal forms. Students will be encouraged to make real-life connections to the curriculum and apply their learning to their future careers and education.

## SOCIAL STUDIES

(MUST TAKE BETWEEN 11TH AND 12TH GRADE)

## US HISTORY

#### SEMESTER 1 #1413

Discover the story of America's past in this 11th-grade US History course, Part 1. From the early days of America to the end of Reconstruction, students will learn about the important events, people, and changes that have shaped the United States. Through interesting discussions, reading primary sources, and fun activities, students will gain a deep understanding of how the country has changed over time. This course will help students think critically,



understand history better and see how it still affects us today.

### SEMESTER 2 #1414

Continue the journey through America's history in this 11th-grade US History course, Part 2. From the late 1800s to today, students will learn about the important events, people and changes that have shaped the United States. Through interesting discussions, reading primary sources and fun activities, students will gain a deep understanding of how the country has changed over time. This course will help students think critically, understand history better and see how it still affects us today.

OR

### COLLEGE US HISTORY

#### SEMESTER 1 #1443

**Prerequisite:** 2.6 GPA

**College Level:** 8 ARCC College Credits

Semester 1 is a survey of U.S. History to about 1876 including such topics as indigenous peoples, exploration, colonial times, the American Revolution and Constitution, the young republic, growth of democracy, territorial expansion, slavery, Civil War, and Reconstruction.

#### SEMESTER 2 #2443

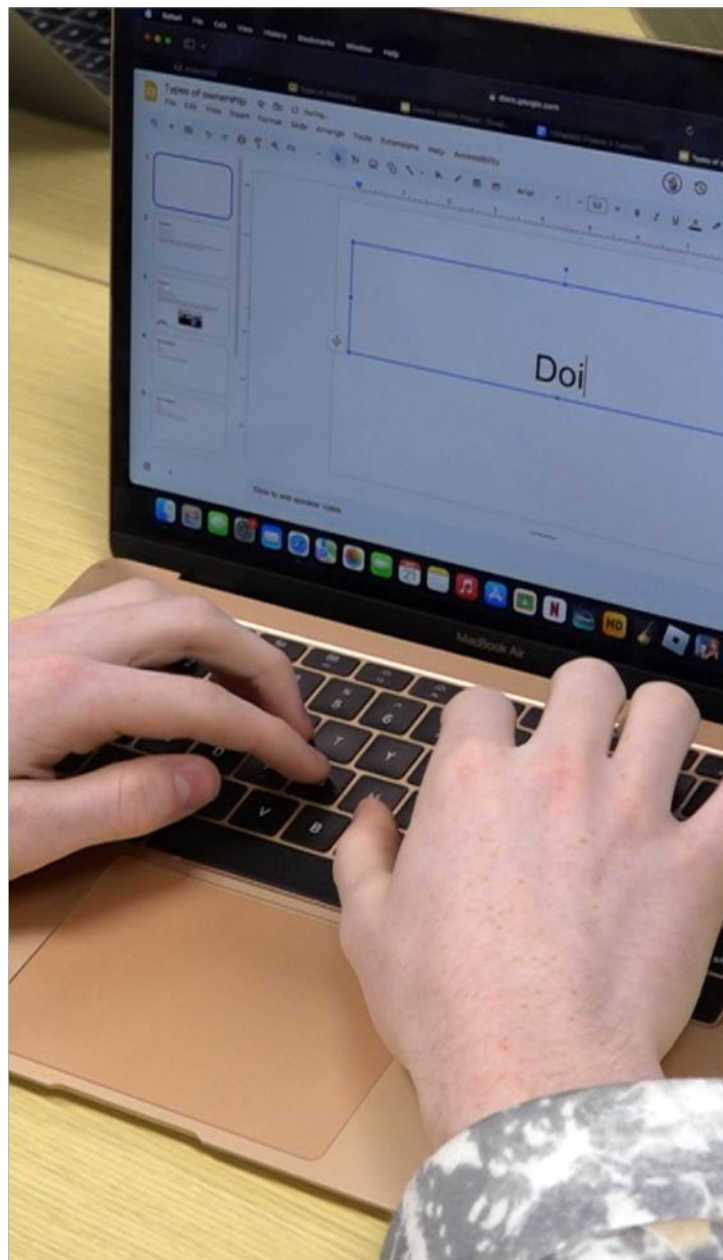
Semester 2 is a survey of U.S. history from about 1877-present including such topics as industrialization, Populist protest, U.S. imperialism, progressivism, the Great War, the Great Depression, the New Deal, WWII and the post-war era.

### ECONOMICS

#### SEMESTER COURSE #1438

Uncover the fundamental principles of economics through a dynamic exploration of micro and macroeconomics,

business and entrepreneurship, the government's role in the economy, and personal finance. Students will engage with real-world economic issues, develop



critical thinking skills and apply economic theories to contemporary challenges. This course equips students with the knowledge and skills to comprehend, analyze and contribute to the ever-evolving economic landscape.

### AMERICAN GOVERNMENT & CITIZENSHIP

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and pivotal Supreme Court cases. Engage in discussions, critical analysis and interactive activities to develop a nuanced

understanding of your role as an informed citizen.

# ELECTIVES







# WHAT IS CTE

## What is CTE?

Career and Technical Education (CTE) prepares students for a wide range of high-wage, high-skill, high-demand careers.

## Who is it for?

All high school students interested in exploring career pathways.

## Why take CTE classes?

CTE prepares the workforce for a wide range of industries and occupations. Students that take part in CTE courses are college and career ready.

## What Classes Do We Offer?

### Agriculture

Ag (Consumer)  
Mechanics  
Ag and Food  
Processing  
Fish and Wildlife  
Management  
Floral Design  
Advanced Floral Design  
Horticulture and  
Landscaping  
Large Animal Science  
Small Animal Science  
Supervised Agriculture  
Experience

### Family & Consumer Science

Beginning Foods  
Creative Foods  
Specialty Foods  
Pro Start I,II  
FACS Exploration  
Child Care Development

### Business & Marketing

Foundations of Business  
Personal Finance  
Business in Action  
Retailing I,II  
Marketing  
Advertising and  
Promotion  
Business Computer  
Applications  
Advanced Marketing/  
DECA  
Civil Law  
Sports, Entertainment,  
Travel and Marketing  
Small Business  
Ownership  
**AFJROTC**  
Milestones in Aviation  
History  
Citizenship, Character &  
Air Force Tradition  
Survival, Survive and  
Return

Communication,  
Awareness and  
Leadership

Management of the  
Cadet Corps  
Exploring Space  
Life Skills and Career  
Opportunities  
Cultural Studies  
Fundamentals of  
Management

### Health Careers

Medical Terminology  
Nursing Assistant  
Training

### Communication Technology

Introduction to  
Engineering Design  
Computer Science  
Principles  
Computer Science A  
Viking IT I, II, III, IV

### Manufacturing

Beginning Machining  
Advanced Machining  
Beginning Welding  
Advanced Welding  
How to Make Almost  
Anything  
Careers in  
Manufacturing

### Transportation

Auto 1-Intro. to Auto  
Auto 2-Brakes  
Auto 3-Vehicle Service

# EXPLORE SOMETHING NEW...



# AIR FORCE JROTC

## EXPLORING SPACE 9-12

SEMESTER 1 #1502

SEMESTER 2 #2502

This course covers a dynamic mix of Aerospace Science, Leadership Education, and Wellness. The core content changes each year so students learn a wide range of topics. SY25-26 will cover:

- **Exploring Space** takes students on a journey to understand the solar system, space travel, and cutting-edge exploration technology.
- **Life Skills and Career Opportunities** focuses on preparing students for the high-tech, globally-oriented, and diverse workplace of the 21st century.

Each component of this course contains a blend of instruction and immersive activities that continue to build teamwork and leadership skills.



*Students are not required to wear a uniform during their first year of JROTC.*

Uniforms symbolize the unity and camaraderie experienced by the members of a team. Cadets wear the camouflage uniform once per month and the blue service uniform for special events. Uniforms are provided at no cost to the student.



## MANAGEMENT OF THE CADET CORPS\* 11-12

SEMESTER 1 #1499

SEMESTER 2 #2499

This course is for 3rd/4th-year cadets holding leadership roles. This hands-on experience affords the opportunity to put theories of previous leadership courses into practice.

## AVIATION HONORS GROUND SCHOOL\* 11-12

SEMESTER 1 #1522

SEMESTER 2 #2522

Yes, you read that right. Students interested in learning to fly can complete their Ground School right here at NBAHS. This course prepares you to pass the FAA written exam. You may then apply for AFJROTC Flight Academy to earn your Private Pilot's License over the summer for free!

*No prior JROTC experience required!*

## Aviation Pathway

GRADES  
9-12

Aerospace  
Science

Drone  
Co-curricular

GRADES  
11-12

Aviation Honors  
Ground School

FAA Knowledge  
Exam

GRADES  
11-12

Flight Academy\*\*

Private Pilot  
License

\*Requires instructor approval  
\*\*Must meet all eligibility requirements to apply



## CO-CURRICULAR ACTIVITIES FOR SY 25-26

The following activities supplement the core curriculum. Class time is dedicated to introducing students to these activities and students may then choose to pursue those that interest them by joining their respective teams.

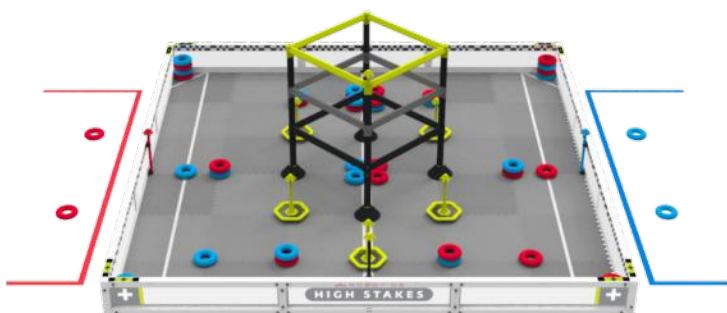
### DRONE PROGRAM

Learn to build, fly, and race a variety of drones. Students earn their TRUST Certification and may even work towards their FAA Remote Pilot License.



### ROBOTICS

Begin with the basics of the VEX Robotics V5 Kit to build progressively complex structures and complete challenges on the VEX Obstacle Course.



### ROCKETRY

Learn fundamentals and build rockets. Participate in progressively complex rocketry challenges designed by the National Association of Rocketry.



### WELLNESS

Students engage in fun, active sessions designed to promote teamwork, physical fitness, and resilience.



### ARCHERY

New for 2025, archery is included in the wellness portion of the curriculum. Cadets may also join the archery team for more action.

### STELLARXPLORERS

Compete in a national space-themed STEM competition focused on orbital planning, satellite design, and launch vehicle selection.



### DRILL AND CEREMONY

Our JV and Varsity drill teams perform precision armed and unarmed marching, color guard, and exhibition routines at local and regional events as well as the national championships in Daytona Beach, Florida.





## AGRICULTURE

### ADVANCED WILDLIFE AND NATURAL RESOURCES 9-12

#### SEMESTER COURSE #1521

**Prerequisite:** *Fish and Wildlife Management*

This course explores the value and purpose of natural resources and their impact on wildlife

management. Students will study various resources like soil, water, air, climate, and renewable energy, alongside topics in forestry

and wildlife habitat management. Through hands-on and problem-based learning, the course examines how human activities affect natural resources and what can be done to protect them for future generations. The goal is to understand the importance of these resources and how to sustain them.

### AG & CONSUMER MECHANICS 9-12

#### SEMESTER COURSE #1737

In Ag and Consumer Mechanics, students will look at the main components of Agricultural mechanics, but through the lens of a consumer. This course will provide hands-on

instruction in small engine theory, plumbing systems, electricity and construction principles.

Students will leave the course with a better understanding of how these systems work and how to maintain them in a home or agricultural setting.

### AG & FOOD PROCESSING 9-12

#### SEMESTER COURSE #1738

In this course, students will work directly with processing agricultural products and learn the steps involved in maintaining a safe food supply. We will

look at both modern and traditional food processing methods and explore food preservation, dairy production and processing, meat processing,

and fiber/textile production. Students will also work to design and promote their own agricultural food products.

### AG LEADERSHIP AND SERVICE 9-12

#### SEMESTER COURSE #1520

This semester-long leadership course focuses

on personal development and leadership skills.

Students will assess their leadership

abilities, network with community partners, and create service projects. Students will work on projects during class, build community partnerships, and develop career skills through presentations.

Ideal for students interested in education, leadership, or enhancing leadership skills, the course is strongly recommended for FFA members.

### FISH & WILDLIFE MANAGEMENT 9-12

#### SEMESTER COURSE #1514

In Fish and Wildlife Management, students will be taking a hands-on look at the many components of

fish and wildlife management in Minnesota. We will look at what impacts lake and habitat health, as well as habits and biology of both game and

non-game wildlife species and explore hunting, fishing and forestry.

### FLORAL DESIGN 9-12

#### SEMESTER COURSE #1513

Students will learn basic principles and elements of design and practice designs

such as centerpieces, corsages, and vase

arrangements among others depending on seasonal

preferences. A large emphasis will also be placed on the floral industry and students will even have the opportunity to design their own business venture and prepare plans for a major floral event. Biological principles in plant science will also be interwoven with course material such as plant growth and physiology, genetics, growth and development and soil/nutrient requirements.



**ADVANCED FLORAL DESIGN 9-12****SEMESTER COURSE #1512****Prerequisite:** *Floral Design*

Students will reinforce the principles and elements of design and practice basic designs such as centerpieces, corsages, and vase arrangements among others depending on seasonal preferences. A large emphasis will also be placed on the floral industry and students will have the opportunity to design their own business venture and prepare plans for a major floral event. Students in this class will also be creating plans and conducting frequent floral sale events and creating arrangements to sell to community members. When sales are not occurring, students will practice more advanced floral designs such as Japanese, sympathy, wedding and flowers to wear.

**HORTICULTURE & LANDSCAPING 9-12****SEMESTER COURSE #1735**

Students in this class will explore various areas of the horticulture industry, from indoor plants to landscaping plants. They will study plant physiology and growth processes through hands-on lab activities with trees, houseplants, and outdoor plants. Students will also design landscape plans and have the opportunity to install landscaping elements, learning the principles of landscaping in practice.

**LARGE ANIMAL SCIENCE 9-12****SEMESTER COURSE #1517**

Large Animal Science will explore animals used for food production such as cattle, sheep, goats, swine, and poultry. This class will be a place to learn about: basic scientific principles and how they relate to animal agriculture, careers in animal science, the roles of animals in society, classification, selection, and genetics of animals, behavior, as well as specific animal industries. We will also explore animal industries as well as meat science, animal reproduction, growth and development and animal nutrition and health management.

**SMALL ANIMAL SCIENCE 9-12****SEMESTER #1518**

Small Animal science will be a place to learn about basic scientific principles and how they relate to

animal agriculture using companion animals as the subject matter. Companion animals include: dogs, cats, reptiles, birds, fish, and exotics. We will explore careers in animal science, the roles of animals in society, classification, selection, and genetics of animals, behavior, as well as anatomy, reproduction, growth and development and animal nutrition and health management. This course is great for anyone who loves pets, or has interest in pursuing a career in veterinary science.





# ART

## ART STUDIO 11-12

**SEMESTER COURSE #1561**

**Requires Instructor Approval**

**Supplies:** Set of paint brushes

See instructor for approval form. Students must be capable of working independently. Students are expected to work cooperatively with the teacher to come up with ideas for projects, and to be self-directed and responsible for their use of time.

\*Studio students will be expected to produce work to enter in annual art shows.

## CERAMICS I 9-12

**SEMESTER COURSE #1553**

**Prerequisite:** Previous Art Course

**Course Fee:** \$10

Shape your creativity in our high school Ceramics class, where students will explore hand-building, glazing techniques, and sculptural forms. By course end, students will demonstrate proficiency in clay manipulation, apply glazing and firing processes, and

create functional and sculptural ceramic pieces. Our approach includes hands-on studio work, individualized feedback and exploration of

historical and cultural ceramic traditions. Join us in this transformative journey to refine technical skills, cultivate creative thinking and discover the timeless art of ceramics. This course is a captivating opportunity for students to mold their imagination into tangible works of art.

## CERAMICS II 9-12

**SEMESTER COURSE #1552**

**Prerequisite:** Ceramics I

**Course Fee:** \$10

Elevate your artistic journey in our high school Ceramics 2 class, where students will delve into advanced hand-building, wheel-throwing, glazing techniques and sculptural forms. By course end, students will demonstrate mastery in clay manipulation, apply advanced glazing and firing processes, and create a cohesive body of ceramic work. Our approach includes personalized instruction, independent studio time and opportunities for public art displays. Join us in this transformative journey to refine technical skills, cultivate creative thinking and develop a unique artistic voice in the timeless art of ceramics. This course is a captivating opportunity for students to expand their artistic horizons and leave a lasting impression through their ceramic creations.

## CREATIVE DESIGN 9-12

**SEMESTER COURSE #1555**

**Prerequisite:** Drawing

**Supplies:** 8.5"x11" (or larger) sketchbook

Students will craft intricate worlds, develop compelling characters, design detailed maps, and culminate their journey by writing and illustrating their own comic. By course end, students will

demonstrate proficiency in world-building, character development, map creation and comic storytelling. Our approach includes collaborative

brainstorming, individualized guidance and exploration of diverse storytelling traditions. Join us in the transformative journey to refine creative skills, cultivate narrative thinking and bring imaginative worlds to life through the art of comic creation. This course is a captivating opportunity for students to unleash their storytelling prowess and craft captivating visual narratives.

## DRAWING 9-12

**SEMESTER COURSE #1565**

**Supplies:** 8.5"x11" (or larger) sketchbook

Unleash creativity in our high school drawing class, where students will explore line drawing, shading, perspective, and various mediums.

By course end, students will demonstrate proficiency in observational drawing, apply composition and perspective principles, and analyze artwork. Our approach includes direct instruction, studio work, peer critique and guest artist workshops. Join us in this transformative journey to refine technical skills, cultivate creative thinking and discover the power of art in shaping perceptions. This course is a captivating opportunity for students to bring their imagination to life and develop a deeper understanding of artistic expression.

## DIGITAL ARTS 9-12

**SEMESTER COURSE #1551**

Capture the world through a new lens in our high school Digital Arts class, where students will master photographic composition, hone photo editing skills, and craft visual narratives. By course end, students will demonstrate proficiency in framing, editing techniques and storytelling through photography. Our approach includes hands-on photo walks, digital editing workshops and collaborative storytelling projects. Join us in this transformative journey to



## BUSINESS

### ADVANCED TECH FOR YEARBOOK 9-12

**SEMESTER 1 #1631**

**SEMESTER 2 #2631**

**Yearlong:** *Must register for both semesters*

Capture memories and create a lasting legacy in our High School Yearbook class. This course empowers students to become storytellers, photographers and designers as they curate the highlights of the academic year. From candid

moments to major events, students will learn photography, layout design and journalism skills to produce a vibrant and personalized yearbook. Dive into collaborative projects, interviews and editing to craft a publication that encapsulates the spirit of the school community. Join the Yearbook class to leave your mark, preserving the moments that make high school unforgettable and fostering skills in communication, teamwork and creativity.

### ADVANCED MARKETING DECA 11-12

**SEMESTER 1 #1603**

**SEMESTER 2 #2603**

**Prerequisite:** *One previous business course with a C or better*

Do you want to be a part of NBAHS's DECA chapter? Take this class and explore the world of marketing and develop projects that you can use for DECA. Learn more about topics such as leadership, marketing research, advertising, promotion, selling and product planning. Also, you will plan and implement promotions for local businesses and other fundraising opportunities. (Participation in DECA is expected!)

**Yearlong:** *Must register for both semesters for Advanced Marketing DECA*

### ADVERTISING & PROMOTION 9-12

**SEMESTER COURSE #1602**

People are exposed to over 1,500 advertisements each day. Take this class to find out what makes an effective advertisement that will grab people's attention! In this class, students will learn and apply fundamental concepts of advertising and promotions. Students will learn about and design advertising media, from magazine ads, billboards, commercials to digital media ads. Students will

refine technical skills, cultivate creative thinking and communicate powerful stories through the art of cell phone photography and digital art. This course is a captivating opportunity for students to explore the world and share their unique perspectives through captivating visual storytelling.

### PAINTING I 9-12

**SEMESTER COURSE #1569**

**Supplies:** *Set of paint brushes*

Students will explore color theory, brush techniques, composition, and various painting styles. By course end, students will demonstrate proficiency in color mixing, apply composition principles, and analyze artwork. Our approach includes hands-on studio work, individualized feedback and guest artist workshops. Join us in this transformative journey to refine technical skills, cultivate creative thinking and discover the power of art in shaping perceptions. This course is a captivating opportunity for students to express themselves through the vibrant world of painting.

### PAINTING II 9-12

**SEMESTER COURSE #1570**

**Prerequisite:** *Painting I*

**Supplies:** *Set of paint brushes*

Elevate your artistic journey in our high school Painting 2 class, where students will delve into advanced color theory, brushwork, mixed media, and personal style development. By course end, students will demonstrate mastery in color harmonies, apply advanced composition techniques, and create a cohesive body of work. Our approach includes personalized instruction, independent studio time and opportunities for public art displays. Join us in this transformative journey to refine technical skills, cultivate creative thinking and develop a unique artistic voice. This course is a captivating opportunity for students to expand their artistic horizons and leave a lasting impression through their artwork.

develop an integrated marketing campaign for a business. This class gives you the opportunity to compete in DECA!

## BUSINESS COMPUTER APPLICATIONS 9-12

### SEMESTER COURSE #1714

Discover the power of digital productivity in our high school Business Computer Applications class focused on Google Applications. Unleash the potential of Google Docs, Sheets, Slides, and more as you learn essential skills for academic and professional success. Dive into collaborative document creation, data analysis and dynamic presentations. Explore the versatility of Google Drive and Gmail for efficient file management and communication. From mastering Google Workspace tools to understanding cloud-based collaboration, this course equips students with the digital skills needed in today's tech-driven world. Join us to transform your proficiency in Google Applications and enhance your technological fluency for future endeavors.

## BUSINESS IN ACTION I & II 11-12

### SEMESTER 1 BIA 1 #1609, BIA 2 #1606

### SEMESTER 2 BIA 1 #2609, BIA 2 #2606

**Prerequisite:** *Application & Instructor Approval*

Experience the pulse of commerce in our high school 'Business in Action' course. Immerse yourself in the dynamic world of real-world business scenarios, where theory meets practice. From creating a business plan to executing

marketing strategies, students will actively engage in hands-on projects, case studies and simulations. Explore the intricacies of decision-making, financial management and ethical considerations. This course aims to transform classroom knowledge into actionable insights, preparing students for the challenges and opportunities in today's business landscape. Equip yourself with practical skills and a strategic mindset, as 'Business in Action' takes you beyond theory into the heart of entrepreneurial and corporate success.

## FOUNDATIONS OF BUSINESS 9-12

### SEMESTER COURSE #1604

From entrepreneurship to basic economic principles, students will explore the core concepts that drive the world of commerce. Dive into topics such as business ethics, marketing essentials and financial literacy. Engage in hands-on projects that simulate real-world scenarios, fostering critical thinking and problem-solving skills. Whether aspiring

entrepreneurs or future professionals, students will gain a solid foundation for success in various business endeavors. This

course provides a practical understanding of the business world, preparing students for a lifetime of informed decision-making and economic literacy.

## MARKETING 10 - 12

### SEMESTER COURSE #1601

Explore the dynamic world of marketing. From branding to digital strategies, students will gain practical insights into advertising, market research, and consumer behavior.

Hands-on projects and real-world case studies enhance skills in product promotion, social media

marketing and effective communication. Develop a marketing mindset that prepares you for future endeavors in business and beyond. Unleash creativity and strategic thinking in this engaging and relevant high school marketing class.

## CIVIL LAW 10-12

### 2026-2027 COURSE

Do you know your rights? Do you know how many different ways the law affects you? Students will learn about their personal and constitutional rights as a minor and adult. We will explore your rights as a student, employee, family member and citizen. Learn about the laws affecting you with accidents, contracts, lawsuits, marriage, property ownership and more. Students will participate in Mock Trials applying the steps of the civil court system.

## SMALL BUSINESS OWNERSHIP 9-12

### 2026-2027 COURSE

Learn what it takes to own your own business. You will learn about business opportunities and how to set goals to realize those opportunities. You will also learn about the different types of business such as



franchising and "S" Corps, how to develop a business plan, how to identify needs in the market, and different methods of financing a business.

## SPORTS ENTERTAINMENT TRAVEL & MARKETING 9-12

### 2026-2027 COURSE

America has dramatically increased its focus on leisure time activities such as sports, entertainment, and travel. This growth has created job opportunities and new applications of the tactics of marketing. Competition for the consumer attention and dollar is fierce. Students will gain a working knowledge of marketing techniques by developing a sports franchise and researching local entertainment and travel attractions. Come and explore the intriguing world of SET marketing.

## COMMUNICATION TECHNOLOGY

### COMPUTER SCIENCE A 10-12

#### SEMESTER COURSE #1715

#### SEMESTER COURSE #2715

Explore the essentials of computer science in this AP Computer Science Principles course. Gain proficiency in a subset of the Java programming

language through hands-on experiences. Design, write, and test computer programs to solve problems or achieve specific

tasks. Develop algorithms, implement them through code and rigorously test for accuracy. The course emphasizes program design, algorithm development, error correction and thorough documentation to explain the functionality of the code. Elevate your understanding of computer science principles by engaging in practical application, preparing for future challenges in the dynamic world of programming and technology.

| **Yearlong:** Must register for both semesters

### COMPUTER SCIENCE PRINCIPLES 10-12

#### SEMESTER COURSE #1716

#### SEMESTER COURSE #2716

This Programming course will equip students to construct

computer programs in languages like BASIC, Visual Basic (VB), Java, Pascal, C++ and C#.

Emphasizing coding, program structure and advanced topics like

object-oriented programming, students learn to create, document and debug programs. The curriculum focuses on applications for Windows, databases, multimedia, games and mobile or web environments. Throughout, there's an emphasis on design, style, clarity and efficiency. Students apply acquired skills to authentic, real-world applications, fostering a comprehensive understanding of computer programming and preparing them for future challenges in the rapidly evolving field of IoT and software development.

| **Yearlong:** Must register for both semesters

### INTRODUCTION TO ENGINEERING I 9-12

#### SEMESTER COURSE #17041

Introduction to Engineering Design equips high school students

with problem-solving skills

through the application of a design

development process. Utilizing solid modeling computer design

software, students create, analyze and test product solutions while effectively communicating model features. This course integrates CAD-based projects to reinforce the design process, fostering creative problem-solving, an understanding of aesthetics, time management and foundational mathematical principles. Engage in a hands-on exploration of engineering concepts, preparing students for future studies and careers in engineering and design.

### INTRODUCTION TO ENGINEERING II 9-12

#### SEMESTER COURSE #17042

Introduction to Engineering Design equips high school students with problem-solving skills through the application of a design development process.

Utilizing solid modeling computer design software, students create, analyze and test product solutions while effectively communicating model features. This course integrates CAD-based projects to reinforce the design process, fostering creative problem-solving, an understanding of aesthetics, time management and foundational mathematical principles. Engage in a hands-on exploration of engineering concepts, preparing students for future studies and careers in engineering and design.

### VIKING IT I 11-12

#### SEMESTER COURSE #1893A

**Prerequisite:** 2.0 GPA and on track to graduate

In Viking IT I students will become proficient in Chromebook repair, hone their customer service skills and develop effective problem-solving techniques and other technology and media focused class projects. This hands-on course is designed to equip students with the

knowledge and expertise needed to serve as the primary technology support resource within North Branch Area High School and the greater school

community. Student's who complete this course will earn a certificate for Student Repair Academy Chromebook Repair.

### VIKING IT II 11-12

#### SEMESTER COURSE #1893B

Welcome to Viking IT II, the next level of our IT program where students will not only continue to enhance their Chromebook repair and help desk skills but will also embark on an exciting journey towards 3D printing certification. In addition to these core components, this course will introduce Computer-Aided Design (CAD) as a fundamental skill, equipping students with the ability to design 3D objects for printing and explore various IT applications. Students will take part in a variety of projects which include coding, soldering, 3D printing and media production.

### VIKING IT III 11-12

#### SEMESTER COURSE #1893C

Viking IT III builds upon the foundation laid in our previous IT courses, offering an immersive and dynamic learning experience that combines advanced Chromebook repair, customer service skills, coding and media production. Students will have the opportunity to earn a certification in an Adobe product of their choice, further enhancing their IT expertise, creativity and coding abilities.

### VIKING IT IV 11-12

#### SEMESTER COURSE #1893D

Viking IT IV is a Capstone Project course that represents the pinnacle of our IT program, where students will leverage their cumulative knowledge and skills acquired from previous IT courses to embark on a transformative journey of community empowerment and career exploration. In this course, students will design and execute a capstone project that addresses real-world challenges within their community while simultaneously charting a path toward their future careers in communication technology.

## ENGLISH ELECTIVES

### CREATIVE WRITING 10-12

#### SEMESTER COURSE #1053

This course provides an opportunity for high school students to pursue advanced creative writing work. Students in Creative Writing will write poems, short stories, plays, news stories,

comic strips, children's books and other types of writing that express creativity. Students will also study writing samples from professional writers as well as student writers to guide student progress.

## FAMILY & CONSUMER SCIENCE

### BEGINNING FOODS & NUTRITION 9-12

#### SEMESTER COURSE #1666

**Course fee: \$20.00**

This course provides an introduction to the fundamentals of nutrition and culinary skills. Students will engage in hands-on labs and cooking activities to develop practical culinary skills. Topics covered include basic nutrition principles, meal planning, food safety, kitchen equipment usage and culinary techniques. Students will have the opportunity to explore and create a variety of dishes while gaining an understanding of the importance of nutrition in overall health and well-being.

### CREATIVE FOODS 10-12

#### SEMESTER COURSE #1667

**Prerequisite:** *Beginning Foods & Nutrition*

**Course fee: \$30.00**

The Creative Foods course offers an in-depth exploration of proteins through a culinary lens. Each unit focuses on the study of a specific protein, accompanied by hands-on labs that correlate with the featured protein. Students will engage in practical culinary experiences to develop a nuanced understanding of various proteins and their culinary applications. Additionally, the course emphasizes menu planning and budgeting, providing students





with essential skills for creating well-balanced and cost-effective meal plans. Through this course, students will enhance their culinary expertise, expand their knowledge of proteins and develop practical skills in menu planning and budget management.

## FACS EXPLORATION 9-12

### SEMESTER COURSE #1671

**Course Fee:** \$20.00

This course offers a comprehensive exploration of family and consumer sciences, covering topics such as conception, pregnancy, labor/delivery and the development of a child from conception to age six. Students will delve into the various aspects of becoming a parent and gain insights into early childhood development. Additionally, the course includes a focus on culinary arts and independent life skills, providing students with practical knowledge and hands-on experiences in these areas. Through a combination of theoretical learning and practical application, students will develop a well-rounded understanding of family dynamics, child development, culinary arts and essential life skills.

## PROSTART LEVEL I 10-12

### SEMESTER 1 #1675

### SEMESTER 2 #2675

**Prerequisite:** Beginning Foods & Nutrition

**Requires Instructor Approval**

**Course fee:** \$75.00

ProStart Level 1 is designed to cultivate the skills of future restaurant professionals. Students will collaborate with their level 2 leaders to create a menu, engage in menu planning and gain hands-on experience in running the district-wide restaurant known as the Viking ProStart Cuisine. Through this immersive learning experience, students will develop a comprehensive understanding of restaurant operations, culinary techniques, menu development and customer service. By working alongside their peers and mentors, students will have the opportunity to apply their knowledge in a real-world restaurant setting, preparing them for future careers in the culinary and hospitality industry.

| **Yearlong:** Must register for both semesters

## PROSTART LEVEL II 10-12

### SEMESTER 1 #1676

### SEMESTER 2 #2676

**Prerequisite:** Prostart I

**Requires Instructor Approval**

**Course fee:** \$75.00

Level 2 is tailored for aspiring restaurant leaders who are ready to take on pivotal roles in the culinary and hospitality industry. Students will have the opportunity to select their stations, design a comprehensive menu and assume leadership responsibilities in training level 1 students. This course empowers students to take charge of their roles within the district restaurant, where they will apply their expertise in restaurant management, culinary arts and customer service. By leading and mentoring their peers, students will gain valuable leadership experience and practical skills that will prepare them for successful careers in the dynamic and fast-paced restaurant industry.

| **Yearlong:** Must register for both semesters

## CHILD CARE DEVELOPMENT 9-12

### SEMESTER COURSE #1677

Welcome to Child Care Development, where we explore the fascinating world of early childhood. Through hands-on activities and interactive learning, we emphasize a play-based teaching approach that nurtures creativity, social-emotional development and cognitive skills. Our goal is to empower future students with the knowledge and skills to create nurturing, inclusive and stimulating environments for young children. Join us on this journey to make a positive impact on the lives of

our youngest learners and lay the foundation for their lifelong love of learning.

## SPECIALTY FOODS 9-12

### SEMESTER COURSE #1669

**Prerequisite:** Beginning Foods & Nutrition

**Course fee:** \$30.00

Specialty Foods offers a captivating exploration of international cuisine, providing students with a rich understanding of cultural culinary traditions from around the world. Throughout the course, students will delve into the diverse cuisines of various countries, studying the unique flavors, ingredients and cooking techniques that define each culinary tradition. By immersing themselves in the culinary heritage of different cultures, students will gain a global perspective on food and develop an appreciation for the cultural significance of cuisine.

## HEALTH CAREERS

### MEDICAL TERMINOLOGY 9-12

#### SEMESTER COURSE #1773

This course introduces high school students to the language of medicine, focusing on the structure, meaning and application of medical terms. Students will explore the roots, prefixes and suffixes used in medical terminology, and apply their knowledge to understand medical procedures, diagnoses and documentation. Through interactive activities and real-world examples, students will develop a strong foundation in medical language, preparing them for future studies and careers in healthcare.

### NURSING ASSISTANT TRAINING 11-12

#### SEMESTER COURSE #2230

This class is developed for students who are interested in a career in nursing or who are interested in preparing themselves for employment as a Certified Nursing Assistant. The class involves both lecture and lab instruction. Basic nursing principles are taught in a lecture setting while communication techniques, introduction to basic physical assessment and basic nursing procedures are demonstrated in the clinical and lab setting. Emphasis is placed on the care of the client in the long-term care setting. In addition to the classroom instruction, the student will be responsible for completing clinical experience outside of the classroom. After successful completion of the course, students meet the requirements needed to take the MN Nursing Assistant Competency Exam and the student is eligible to become a Registered Nursing Assistant (CNA, RNA) in the State of MN. The course also fulfills entry requirement for many nursing programs.

### EMERGENCY MEDICAL RESPONDER 11-12

#### SEMESTER COURSE #2230EMD

The Emergency Medical Responder Initial (EMR-I) courses prepare individuals for employment in a variety of pre-hospital, industrial, and first responder settings. These courses provide instruction in emergency medical care for those who are first on the scene of an accident or medical emergency. This training is intended for police officers, firefighters, and other public safety personnel. State and Nationally recognized EMRs are required to renew their certification every two years.

## MANUFACTURING

### BEGINNING MACHINING 9-12

#### SEMESTER COURSE #1719

Basic Machining provides students with an introduction to the principles and practices of machining. Students will learn about the operation of machine tools such as lathes and milling machines. Through hands-on experience, students will develop skills in reading technical drawings, precision measurement and the use of cutting tools. Emphasis will be placed on safety procedures, material selection and the production of basic machined components. This course is designed to equip students with the foundational knowledge and skills necessary for entry-level positions in machining and related industries.

### ADVANCED MACHINING 10-12

#### SEMESTER COURSE #1720

**Prerequisite:** *Beginning Machining*

Advanced Machining builds upon the foundational knowledge gained in Basic Machining and delves deeper into the principles and practices of precision machining. Students will further develop their skills in operating advanced machine tools, interpreting complex technical drawings. Emphasis will be placed on advanced machining techniques, including multi-axis milling, CNC programming and the use of high-precision measuring instruments. Through hands-on projects, students will explore the production of intricate components with tight tolerances. This course is designed to prepare students for careers in precision machining, tool and die making and advanced manufacturing.

### BEGINNING WELDING 9-12

#### SEMESTER COURSE #1509

**Course Fee:** \$30.00

Beginning Welding introduces students to the fundamental principles and techniques of welding. Students will learn about different types of welding processes, safety procedures and equipment operation. Through hands-on practice, students will develop skills in shielded metal arc welding and gas metal arc welding. Emphasis will be placed on proper welding techniques, metal preparation and joint design. Students will



also explore welding theory, metallurgy and the use of welding tools. This course is designed to provide a solid foundation for those interested in pursuing a career in welding or related fields.

## **ADVANCED WELDING 10-12**

### **SEMESTER COURSE #1510**

**Prerequisite:** *Beginning Welding*

**Course Fee:** \$30.00 and take home project material cost

Dive into the world of advanced welding, where precision and artistry converge to create masterpieces of metal. This hands-on course, based on AWS standards, expands on TIG, MIG, Stick welding, and oxy-fuel cutting. Students will push the boundaries of what's possible in the fascinating realm of advanced welding, emerging as skilled and knowledgeable welders, ready to shape the future of fabrication. As the sparks settle, students will emerge with the expertise to meet industry standards and continue to forge excellence in every weld. The journey has just begun.

## **MATH ELECTIVES**

## **INTRO TO STATISTICS & PROBABILITIES 11-12**

### **SEMESTER COURSE #1108**

**Prerequisite:** *Algebra II*

This is a one semester introductory course that introduces students to the concepts and tools for collecting, analyzing and drawing conclusions from the data. There are three themes covered in the course: Exploring Data, Sampling and Experimentation and Probability and Simulation. Students will use technology, investigations, problem solving and writing as they build conceptual understanding. This course will give students the foundational understandings of statistics needed for college statistics.

## **COLLEGE ALGEBRA & TRIGONOMETRY 11-12**

### **SEMESTER 1 #1170**

### **SEMESTER 2 #2170**

**Prerequisite:** *Algebra II, 2.8 GPA*

**College Level:** 7 College Credits

Prepares students for Calculus I. Topics include functions and function inverses; exponential and logarithmic functions; polynomial and simple rational functions;

systems of equations and inequalities; sequences and series; probability; and modeling. Second semester topics covered are trigonometric and circular functions; trigonometric identities and equations; inverse trigonometric functions; rational functions; introduction to matrices and determinants; conics; parametric equations; polar coordinates; and modeling. The completion of two years of high school algebra and one year of high school geometry and college-level reading is recommended.

## **COLLEGE CALCULUS 11-12**

### **SEMESTER 1 #1181**

**Prerequisite:** *College Algebra or Precalculus, 2.8 GPA*

**College Level:** 5 College Credits

Transfer course intended for bachelor programs in technology, engineering, mathematics, or science, including natural, physical and social sciences. Topics include limits, derivatives

(including trigonometric functions), continuity, applications of derivatives to related rates, optimization and graphing, simple differential equations, Riemann Sums, basic integration techniques, definite integral and the Fundamental Theorem of Calculus. Students will become proficient with appropriate technology.

## **COLLEGE STATISTICS 11-12**

### **SEMESTER 2 #1112**

**Prerequisite:** *Algebra II, 2.8 GPA*

**College Level:** 4 College Credits

Introductory college course in data description and analysis using graphical and numerical methods. Students will work with discrete and continuous random variables and their probability distributions with emphasis on the normal distribution. Topics include: experimental design and sampling methods; confidence intervals, sample size and hypothesis testing for one and two population means or proportions; t and z tests, chi-square tests, analysis of variance (ANOVA) and linear regression; use of statistical software.

# Music

## BEGINNING PIANO 9-12

### SEMESTER COURSE #1759

Piano I provides students with fundamental piano skills, music theory and repertoire. Students learn basic keyboard techniques, note reading and music fundamentals. The course focuses on developing hand coordination, musical expression and an understanding of piano literature. Students will explore a variety of musical styles and genres and have the opportunity to perform in informal settings. No prior musical experience is required. This course is ideal for students with an interest in learning to play the piano and developing a strong foundation in keyboard performance.

## ADVANCED PIANO 9-12

### SEMESTER COURSE #1762

**Prerequisite:** *Beginning Piano, proficiency in piano performance and instructor approval*

Piano II is designed for experienced pianists seeking to further develop their technical proficiency, musical interpretation, and repertoire. The course focuses on advanced keyboard techniques, music theory, and performance skills. Students will explore a diverse range of piano literature, including classical, contemporary and collaborative works. Emphasis is placed on artistic expression, musical analysis and individualized coaching. Students will have the opportunity to perform in recitals, master classes and collaborative projects.

## BEGINNING GUITAR 9-12

### SEMESTER COURSE #1761

Beginning Guitar introduces students to the fundamentals of playing the guitar, including basic chords, strumming patterns and music notation. Students will learn proper playing techniques, tuning methods and music theory relevant to the guitar. The course focuses on developing foundational skills, musical expression, and an understanding of various musical styles. Students will have the opportunity to perform solo and in small ensembles. No prior musical experience is required. This course is ideal for students with an interest in learning to play the guitar

and developing a strong foundation in guitar performance and wanting to understand of various musical styles.

## ADVANCED GUITAR 9-12

### SEMESTER COURSE #1765

**Prerequisite:** *Beginning Guitar, proficiency in guitar performance and instructor approval*

Advanced Guitar is designed for experienced guitarists seeking to further develop their technical proficiency, musical interpretation, and repertoire. The course focuses on advanced guitar techniques, music theory and performance skills. Students will explore a diverse range of guitar styles, including classical, jazz, rock and flamenco. Emphasis is placed on artistic expression, improvisation and individualized coaching. Students will have the opportunity to perform in recitals, ensemble settings and collaborative projects.

## BEGINNING BAND 9-12

### SEMESTER 1 #1749B

### SEMESTER 2 #2749B

Have you always wanted to learn to play an instrument? Are you jealous of band students and ready to join? In Beginner Band, students will learn to play an instrument in a concert band setting. Students will choose a standard band instrument and work individually and in groups to master basic skills. The class will also perform at band concerts throughout the year. Playing an instrument can be a rewarding lifelong hobby!

## SYMPHONIC BAND 10-12

### SEMESTER 1 #1750

### SEMESTER 2 #2750

**Prerequisite:** *Music Department Evaluation*  
**School Instrument Use Fee:** \$30-\$60

Symphonic Band consists of predominantly juniors and seniors and will be performing the most difficult music in the high school, along with one additional concert per school year. Outside of the four concerts, the Symphonic Band members will be performing in pep bands with the football, volleyball, girls basketball and boys basketball games. They also can be a part of Jazz Band, Spring Music Pit Band, Solo/Ensemble Contest, All-State Band (auditioned) along with more performing



opportunities on secondary instruments. Every two years members can take part in a 4-7 day long performing trip to another state over spring break

### VARSITY BAND 9

**SEMESTER 1 #1749**

**SEMESTER 2 #2749**

**Prerequisite:** Music Department Evaluation

**Percussion Use Fee:** \$30

**School Instrument Use Fee:** \$60

Varsity Band consists of predominantly freshman and sophomores. It is common to have some upper classmen playing in this band along with being in Symphonic Band. This band will take on their first high school level songs performing 3 concerts a year. Varsity Band members take part in pep bands for the football, volleyball, girls basketball and boys basketball seasons. They also can be a part of Jazz Band, Spring Music Pit Band, Solo/Ensemble Contest, All-State Band (auditioned) along with more performing opportunities on secondary instruments. Every two years members can take part in a 4-7 day long performing trip to another state over spring break.

### CONCERT CHOIR 10-12

**SEMESTER 1 #1757**

**SEMESTER 2 #2757**

**Prerequisite:** Audition or instructor approval

Concert Choir is a competitive level choir designed for students passionate about choral music. The course focuses on advanced vocal techniques, music theory, and ensemble performance skills. Students explore diverse choral repertoire and have the opportunity to participate in regional and state-level choral competitions, public performances, and collaborations with professional musicians. Emphasis is placed on developing advanced ensemble skills, vocal blending, and stage presence. In-depth study of music history, analysis and vocal pedagogy is included.

| **Yearlong:** Must register for both semesters

### CANTABILE CHOIR 10-12

**SEMESTER 1 #1769**

**SEMESTER 2 #2769**

**Prerequisite:** Audition or Instructor approval

Cantabile Choir is an auditioned ensemble for soprano and alto voices who are sophomores, juniors, or seniors. Students will strengthen sight-reading abilities and refine vocal technique through a diverse repertoire spanning classical, contemporary, and world music. Like other ensembles, Cantabile Choir members will perform at school concerts and select festivals, serving as leaders within the vocal music program. This course fosters a supportive, collaborative environment for students to grow as confident and expressive musicians.

| **Yearlong:** Must register for both semesters

### VALKYRIE CHOIR 9-12

**SEMESTER 1 #1755**

**SEMESTER 2 #2755**

Valkyrie Choir is a beginner level women's choir offered to all incoming 9th grade sopranos and altos who are just starting their high school singing career. Any soprano or alto may be in the Valkyrie choir with no audition required. Vocal fundamentals and rudiments of music will be covered. Fundamentals of music reading and voice production will be covered. Literature is commensurate with the group's level of development.

Attendance at all scheduled performances is considered part of the extended school day and is required to receive credit. This is a yearlong course and may be taken for credit all 4 years.

| **Yearlong:** Must register for both semesters

### VIKING CHOIR 9-12

**SEMESTER 1 #1753**

**SEMESTER 2 #2753**

Viking Choir is a performance-based course where students develop vocal skills, music reading abilities, and performance techniques. Students explore various musical styles and genres, participate in choral performances, and learn about the historical and cultural context of choral music. Emphasis is placed on developing ensemble skills, teamwork and musical expression. By the end of the course, students will have gained a deeper appreciation for music, developed their vocal abilities and honed their performance skills. This course is open to all students with an interest in singing and a willingness to learn and collaborate with others.

| **Yearlong:** Must register for both semester

**SONGWRITING 10-12****SEMESTER COURSE #1770**

In Songwriting, students will explore the art of writing and composing original music. Through engaging exercises in lyric writing, melody creation, chord progressions, and song structure, students will learn

to express themselves and convey stories and emotions through music. Songwriting places an emphasis on creativity,

collaboration, and self-discovery. In addition, students will have opportunities to speak with current songwriters and composers to receive further advice and inspiration. No prior musical experience is required.

**PHYSICAL EDUCATION & HEALTH****9TH & 10TH REQUIRED PE OPTIONS****FOUNDATIONS OF FITNESS & SPORTS****SEMESTER COURSE #1207**

Explore the fundamentals of physical education in this introductory course. Focused on beginner skill development, students will master fundamental motor skills, enhance physical fitness and cultivate sportsmanship.

The curriculum blends individual skill mastery with teamwork, emphasizing the significance of an active lifestyle. Assessment methods range from individual skill assessments to written tests. By course end, students will possess a strong foundation in physical education, fostering a lifelong commitment to health and fitness.

**GIRLS IN MOTION 9-12****SEMESTER COURSE #1206**

A specialized female-only introductory Physical Education class designed for teenage girls. Aligned with Minnesota standards, this course empowers young women through skill development, emphasizing fundamental motor skills, physical fitness and teamwork.

Tailored activities cater to beginners, creating a supportive environment for individual growth.

Topics include health, wellness and personal goal setting, addressing the unique needs of teenage girls. Assessment methods encompass individual skill evaluations and collaborative projects. By course end, participants will possess a strong foundation in physical education, fostering a lifelong commitment to health and fitness with activities tailored to the interests and experiences of teenage girls.

**INDIVIDUAL & DUAL SPORTS 10-12****SEMESTER COURSE #1221**

This elective focuses on honing racquet skills and exploring a variety of individual sports, including archery, starball, pickleball, tennis, badminton and other non-racquet activities. Aligned with instructional objectives, students will engage in skill development, strategic gameplay and sportsmanship. The curriculum emphasizes the fundamentals of each sport, offering a comprehensive introduction to both racquet and



non-racquet disciplines. Through a mix of practical training and theoretical understanding, participants will develop proficiency in individual and dual sports. This course provides a

diverse and enjoyable exploration of physical activities, encouraging lifelong participation in a range of sports.

### TEAM SPORTS 10-12

#### SEMESTER COURSE #1222

Dive into the world of collaborative athletics in this dynamic course focused on sports skills, teamwork, and competitive games. Students will develop proficiency in various team sports, emphasizing fundamental skills, strategic gameplay and sportsmanship.

Aligned with instructional objectives, the curriculum combines practical training with theoretical understanding, fostering a comprehensive approach to team dynamics. Participants will engage in a variety of competitive sports and games, enhancing both individual abilities and collective teamwork. This course not only builds athletic prowess but also instills values of fair play, leadership, and effective communication. Get ready for an exciting exploration of team sports and spirited competition.

### DYNAMIC DECISIONS: YOUR MOVE/YOUR CHOICE 11-12

#### SEMESTER COURSE # 1228

Dynamic Decisions: Your Move, Your Choice is an elective physical education class that does not fulfill graduation requirements. Offering a unique approach, students have the daily freedom to choose from a variety of activities. Emphasizing independence and self-motivation, students actively engage in their chosen activities. This class provides an excellent opportunity for sustained physical activity throughout high school. The focus is on participation with a positive attitude, adherence to established game rules, and the demonstration of sportsmanship and teamwork skills. Elevate your high school experience with a dynamic and personalized approach to physical education.

### STRENGTH & CONDITIONING I 10-12

#### SEMESTER COURSE #1220

**Prerequisite:** 9<sup>th</sup>/10<sup>th</sup> Grade required PE option



In this elective class, explore the fundamentals of strength and conditioning. Covering muscular anatomy and fitness principles, students will learn weight lifting techniques and safety protocols in a fitness center environment. Additionally, participants will gain skills in developing and implementing personalized fitness plans. The course offers a solid foundation for comprehending the mechanics of

strength training, promoting a safe and effective approach to personal fitness. Dive into the world of weights and conditioning, establishing a

robust understanding of health and wellness practices.

### STRENGTH & CONDITIONING II 10-12

#### SEMESTER COURSE #1226

**Prerequisite:** *Strength and Conditioning I*

Dive deeper into advanced strength and conditioning as students design and execute their personalized fitness plans. Gain hands-on experience, fine-tune techniques and foster a deeper understanding of personalized fitness. Take control of your fitness journey with the flexibility to revisit and advance in this dynamic course. This course allows multiple enrollments with instructor approval, offering students the opportunity for ongoing mastery and refinement.



## SCIENCE ELECTIVES

### COLLEGE BIOLOGY 11-12

**SEMESTER 1 #1311**

**SEMESTER 2 #2311**

This is an introductory course designed to teach the process of science as it applies to biology today. Topics in biology that will be covered include heredity, evolution, and ecosystems. This course is not intended for science or allied health majors and meets the requirements for Minnesota Transfer Curriculum Goal 3 Natural Science.

### HUMAN ANATOMY & PHYSIOLOGY 11-12

**SEMESTER COURSE #1326**

**SEMESTER COURSE #2326**

**Prerequisite:** *Instructor Approval or C average in General Biology*

In this course, students will explore the fascinating world of human anatomy and physiology, delving into the intricate workings of our organ systems. Through hands-on learning experiences, labs, and even dissections, students will discover what makes our bodies function. From the outermost layer of our skin to the innermost bones, muscles, and nervous system, students will gain a comprehensive understanding of how each component contributes to our overall health and well-being. Join us on this incredible journey to unravel the mysteries of the human body.

### OUTDOOR ADVENTURES 11-12

**SEMESTER COURSE #1324**

**Prerequisite:** *Biology*

This semester-long course immerses students in our natural world. Students will have opportunities to participate in hands-on survival and skill building and interact with native wildlife and plant life. We will look at human impacts on nature and nature's impact on us through outdoor adventures which may include: field trips, exploring nearby natural areas, and opportunities to face and overcome a variety of

physical and mental challenges. This course will expand upon some of the ecological and human impact topics that were introduced in general biology and will deepen student understanding of our experiences in this world.

## SOCIAL STUDIES ELECTIVES

### COLLEGE ANCIENT & MEDIEVAL WORLD HISTORY 11-12

**SEMESTER COURSE #1456**

This course is a survey of human pre-history, the agricultural revolution, and rise and fall of civilizations in Africa, Asia, the Americas, and Europe from ancient times through the medieval period

### COLLEGE POLITICAL SCIENCE 11-12

**SEMESTER COURSE #1459**

This course is designed to provide students with an understanding of the American political system including the U.S. Constitution, federalism, mass media, political parties, interest groups, the presidency, Congress, federal bureaucracy, the courts, civil liberties, civil rights and more.

### COLLEGE PSYCHOLOGY 11-12

**SEMESTER COURSE #1455**

**Prerequisite:** *2.6 GPA*

**College Level:** *4 ARCC College Credits*

This course is a comprehensive introduction to psychology, which is the science concerned with behavior and mental processes. Psychology studies the environmental, biological, social, and individual forces that help to describe, explain, predict, and control behavior. Students will examine the scientific and historical foundations of psychology, the major domains of knowledge in psychology (biological, cognitive, developmental, social and personality and mental and physical health), and cross-cutting themes relevant to all



knowledge domains (cultural and social diversity, ethics, variation in human functioning, and applications of psychology). This course is designed to meet the goals of the American Psychological Association (APA, 2014) for introductory psychology.

## 🚩 COLLEGE WORLD WAR II 11-12

### SEMESTER COURSE #1457

**Prerequisite:** 2.6 GPA

**College Level:** 4 ARCC College Credits

This course is a historical introduction to WWII including analysis of such topics as the causes of war and peace; strategy, tactics, and technologies in the major theatres; political and military leadership; and war crimes.

## PERSONAL FINANCE 11-12

### SEMESTER COURSE #1610

Explore essential financial literacy skills aligned with national standards. Topics include college and career paths, insurance, saving, investing, buying a car and savvy consumer practices.

Engaging activities empower students to make informed financial decisions and build a strong foundation for their future.

## PSYCHOLOGY 11-12

**OFFERED 2026-2027**

Explore the world of the human mind and behavior! This course offers students an introduction to the wide and varied field of Psychology. Students will explore the development of this field as well as various ways psychological ideas and principles are used and applied in our lives and our world today. Units of study include psychological methods, biology and behavior, sensation and perception, consciousness and learning. Psychology is life. Learn it!

## SOCIOLOGY 11-12

### SEMESTER COURSE #1440

Embark on a captivating exploration of the intricate web of human society in this dynamic sociology course. Sociology is the scientific study of human social behavior, human interaction and society. It focuses on the ways in which people relate to one another as members of

groups. Students will examine the concepts of culture, socialization, group interaction, various social institutions and social behavior. They will also identify and examine current social problems. Get ready to challenge assumptions, ignite curiosity and discover the power of sociological insight in understanding the human experience.

## TRANSPORTATION

### AUTO I 10-12

#### SEMESTER COURSE #1724

Rev up your passion for automotive excellence! In this hands-on course, students will dive into the world of auto mechanics, gaining practical skills in handling tools, equipment, tires, brakes, suspension, fuel, ignition, and much more. Get ready to ignite your automotive expertise and elevate your mechanical mastery.

### AUTO II 10-12

#### SEMESTER COURSE #1725

**Prerequisite:** Auto I

This course includes basic principles of brakes, hydraulic system basics, disc and drum brakes, parking brakes and power assist units. Students will diagnose and repair various types of braking systems, including anti-lock brake systems.

### 🚩 AUTO III 10-12

#### SEMESTER COURSE #1727

**Prerequisite:** Auto I & II

This course covers basic principles of automotive systems, safety, hand tools, maintenance requirements, and basic automotive service procedures. Students will learn and follow correct procedures for servicing vehicles, shop safety, use of service manuals and bulletins and interpretation of vehicle specifications. Tube flaring, fasteners,

bearings, seals and use of shop equipment are discussed and utilized as applied to vehicle servicing the design process, fostering creative problem-solving, an understanding of aesthetics, time management and foundational mathematical principles. Engage in a hands-on exploration of engineering concepts, preparing students for future studies and careers in engineering and design.

### VIKING SHOP 11-12

**SEMESTER 1 # 1727S**

**SEMESTER 2 # 2727S**

**Prerequisite:** Auto III

Welcome to Auto Shop! This hands-on, skills-based course is designed to give you practical experience in basic automotive repair and maintenance. Over the course of the school

year, you will gain valuable, real-world skills in vehicle service that will prepare you for entry-level work in an auto repair shop or as a foundation for further study in the automotive field.

| **Yearlong:** Must register for both semesters

## WORLD LANGUAGE

### FRENCH I 9-12

**SEMESTER 1 #1783**

**SEMESTER 2 #2783**

French 1 introduces students to the French language and culture. Through interactive activities, students will develop basic communication skills in French, including speaking, listening, reading, and writing. Emphasis will be placed on vocabulary acquisition, grammar structures and pronunciation. Students will also explore French-speaking countries and their customs, traditions and contemporary issues. By the end of the course, students will be able to engage in simple conversations, comprehend basic written texts, and express themselves in writing. This course lays the foundation for further exploration of the French language and culture in higher levels.

| **Yearlong:** Must register for both semesters

### FRENCH II 10-12

**SEMESTER 1 #1786**

**SEMESTER 2 #2786**

**Prerequisite:** French I

French 2 builds upon the foundation established in French 1, further developing students' language skills and cultural understanding. Students will expand their vocabulary, refine grammar usage, and enhance their ability to communicate in French through speaking, listening, reading, and writing. The

course will delve deeper into the study of French-speaking countries, their history, literature, and contemporary society. Students will engage in more complex conversations, comprehend authentic materials, and express themselves with increased fluency. By the end of the course, students will have improved their intermediate French language skills and developed a deeper appreciation for Francophone culture.

| **Yearlong:** Must register for both semesters

### FRENCH III 11-12

**SEMESTER 1 #1789**

**SEMESTER 2 #2789**

**Prerequisite:** French II

French 3 is designed to further advance students' proficiency in the French language and deepen their understanding of Francophone cultures. Building on the skills acquired in French 1 and 2, students will engage in more sophisticated language tasks, including conversations, readings, and writing prompts. The course will explore French history and culture, providing students with a comprehensive view of the Francophone world. By the end of the course, students will have developed continued proficiency and a better understanding of Francophone cultures.

| **Yearlong:** Must register for both semesters

### COLLEGE FRENCH 12

**SEMESTER 1 #1792**

**SEMESTER 2 #2792**

**Prerequisites:** French I, II, III, Top 25% of class

**College Level:** 5 College Credits (UMN)

College French is an advanced course designed to refine students' language skills and deepen their cultural understanding. This course focuses on students' proficiency in speaking, listening, reading and writing. Students will engage with literary and cultural texts, have conversations, participate in discussions, and produce writing prompts. Upon completion of this course, students will improve their proficiency and cultural competence and have the opportunity to earn college credit.

| **Yearlong:** Must register for both semesters

### SPANISH I 9-12

**SEMESTER 1 #1795**

**SEMESTER 2 #2795**

**Yearlong:** Must register for both semesters

Spanish 1 introduces students to the fundamentals of the Spanish language, including vocabulary, grammar and basic conversation skills. Through interactive activities, cultural exploration and practical exercises, students will develop the ability to comprehend and communicate in Spanish. This course lays the foundation for further language study and fosters an appreciation for Hispanic cultures.



Emphasis is placed on listening, speaking, reading, and writing in Spanish. By the end of the course, students will be able to engage in simple conversations and comprehend basic written texts in Spanish,

as well as write and speak in simple sentences in the present tense.

| **Yearlong:** *Must register for both semesters*

## SPANISH II 10-12

**SEMESTER 1 #1798**

**SEMESTER 2 #2798**

**Prerequisite:** *Spanish I*

**Yearlong:** *Must register for both semester*

Spanish II builds upon the foundation laid in Spanish I, focusing on further development of listening, speaking, reading, and writing skills. Students will deepen their understanding of Spanish grammar, vocabulary, and cultural nuances through engaging activities and authentic materials.

Emphasis will be placed on communication

in real-life situations, exploration of Hispanic cultures and fluency in both the present and past tenses. By the end of the course, students will be able to express themselves more fluently in Spanish and gain a deeper appreciation for the language and its diverse communities.

| **Yearlong:** *Must register for both semesters*

## SPANISH III 11-12

**SEMESTER 1 #1800**

**SEMESTER 2 #2800**

**Prerequisite:** *Spanish II*

**Yearlong:** *Must register for both semesters*

In Spanish 3, students will continue to develop their proficiency in the Spanish language through the exploration of advanced grammar (such as the subjunctive and conditional moods),

vocabulary and cultural topics. Emphasis will be placed on honing speaking, listening, reading, and writing skills, as well as deepening cultural understanding. Students will engage in authentic

communication and gain a deeper appreciation for the diversity of the Spanish-speaking world.

| **Yearlong:** *Must register for both semesters*

## COLLEGE SPANISH 12

**SEMESTER 1 #1806**

**SEMESTER 2 #2806**

**College Level:** *5 College Credits (UMN)*

**Prerequisite:** *Spanish III, Top 25% of class*

This class is an intermediate Spanish college-level course. You will have the opportunity to receive 5 credits from the University of Minnesota-Twin Cities upon completion. The course will focus on developing language skills to explore the cultures of various Spanish-speaking countries via our textbook, online workbook and other authentic materials. Conversation and speaking are a large component of the course, and students can expect to become much more confident with using the language in authentic contexts.

## OTHER ELECTIVES

### STUDY HALL 10-12

**SEMESTER #2891**

Study Hall provides students with a dedicated time during the school day to focus on completing assignments, studying, or catching up on classwork. This non-credit course helps students manage their workload, stay organized, and reduce the need to bring work home. With a quiet and supportive environment, Study Hall allows for productive use of time, encouraging academic success and balance.

# OPTIONS FOR JUNIORS & SENIORS





# VIKING BRIDGE INTERNSHIP

Viking Bridge is a partnership between North Branch Area High School and industry employers. Students learn usable skills so they can leave high school, marketable as a student at a university, college, technical college program, or as an employee in a career path. As the Viking Bridge program builds and grows, the focus is on giving students real-life opportunities and experiences.

Work-based learning experiences motivate potential employees and future employers to hire job-ready individuals, which reduces training costs and improves employee retention. Establishing collaboration among schools and employers leads to a more productive local economy and, ultimately, builds thriving communities.

## Do What You Were Made To Do!

Every student has a path and Viking Bridge helps chart that path! Viking Bridge brings innovative changes to traditional classes, including real-world experiences and interest-based, relevant coursework. Students are encouraged to ask these questions:

*"What are my talents?"*

*"What would I like to be?"*

*"Where to go from here?"*

The answers provided through the Viking Bridge program leads to success!

Viking Bridge provides a variety of opportunities for students to try new things and truly discover their interests.

Whether pursuing a vocation or college degree, entering the military or going directly into the workforce, Viking Bridge helps them chart their path to the future.





## VIKING BRIDGE INTERNSHIP OPPORTUNITIES

Bridge the gap between classroom learning and real-world application. In this course, students will immerse themselves in hands-on work experiences tailored to their career aspirations. Through mentorship and practical training, they will cultivate essential skills, unlock industry insights, and forge invaluable connections. By fostering a culture of exploration and growth, this program empowers students to chart their professional paths with confidence. Join us in shaping the next generation of workforce-ready leaders, equipped to thrive in a dynamic global landscape.

**Prerequisites:** Career Navigator Approval, Work Seminar course, On track for graduation, Reliable Transportation

### WORK BASED LEARNING SEMINAR

**SEMESTER 1 #1613**

Welcome to the essential in-class component of the Work-Based Learning program. In this seminar course, students will delve into key subjects encompassing employability skills, workforce dynamics, goal attainment, and the craft of crafting a compelling career portfolio. Join us as we explore the foundations of practical learning and professional development.

### WORK BASED LEARNING: BUSINESS & MARKETING

**SEMESTER 1 #1612**

**SEMESTER 2 #2612**

**Prerequisites:** Career Navigator Approval, Work Seminar course, On track for graduation

Students accumulate academic credit by engaging with professionals in the business or marketing industry, fostering the development of postsecondary and career readiness knowledge and skills.

### WORK BASED LEARNING: EARLY EDUCATION CAREERS

**SEMESTER 1 #1689**

**SEMESTER 2 #2689**

**Prerequisites:** Career Navigator Approval, Work Seminar course, On track for graduation

Students accrue academic credit through active engagement with professionals in the early education industry, fostering the development of postsecondary and career readiness knowledge and skills.

### WORK BASED LEARNING: FAMILY & CONSUMER SCIENCE

**SEMESTER 1 #1686**

**SEMESTER 2 #2686**

**Prerequisites:** Career Navigator Approval, Work Seminar course, On track for graduation

Students accrue academic credit through hands-on interaction with professionals in the food service industry, cultivating postsecondary and career readiness knowledge and skills.

### WORK BASED LEARNING: TRADE & INDUSTRY

**SEMESTER 1 #1687**

**SEMESTER 2 #2687**

**Prerequisites:** Career Navigator Approval, Work Seminar course, On track for graduation

Students accrue academic credit through active engagement with professionals in the trade and industry sector, fostering the development of postsecondary and career readiness knowledge and skills.

### SUPERVISED AGRICULTURE

**SEMESTER 1 #1688**

**SEMESTER 2 #2688**

**Prerequisite:** Career Navigator Approval, Work Seminar course, On track for graduation

Students accumulate academic credit by engaging with professionals in the agricultural industry, fostering the development of postsecondary and career readiness knowledge and skills.

### TEACHING ASSISTANT 12<sup>TH</sup> GRADE ONLY

**SEMESTER 1 #1887**

**SEMESTER 2 #2887**

**Prerequisite:** Career Navigator Approval and Teacher Mentor Approval, Work Seminar course, On track for graduation

High school seniors have the opportunity to earn academic credit while gaining insights into the complexities of the education field or a specific content area by supporting education professionals. Under the guidance and supervision of seasoned professionals, seniors will cultivate postsecondary and career readiness knowledge and skills throughout their experiential learning journey.



# OTHER PROGRAMMING



# SPECIAL EDUCATION COURSES

In order for students to be enrolled in the following courses, they must have an Individualized Education Program (IEP). Each student's IEP team determines the appropriate courses the student needs to take in order to help the student meet their goals.

The courses offered through the special education department work to meet student needs through a variety of models. Classes are offered in a variety of special education settings as well as in general education classrooms (Co-Taught English). The courses are designed to meet a wide variety of skills, based on the individualized needs of each student.

## ENGLISH

### ENGLISH LANGUAGE ARTS 1A, 1B, 2A, 2B, 3

The English Language Arts classes are comprehensive literacy classes that work on a variety of reading skills, including phonemic awareness and phonics, word recognition and spelling, vocabulary and morphology, grammar and usage, listening and reading comprehension, and speaking and writing. The classes include a blend of direct instruction from the classroom teacher as well as individualized instruction via online programming targeted at specific skills. By the time students reach English Language Arts 3, the curriculum is focused on modifying the general education curriculum.

### LANGUAGE CONCEPTS

The Language Concepts classes are geared toward students who need to strengthen their basic reading and writing skills. The skills learned in these courses will help students have basic reading and writing skills they will need throughout their lives.

## MATHEMATICS

### PRE-ALGEBRA CONCEPTS

The Pre-Algebra Concepts course is targeted at 9th and 10th-grade students. The course is designed to help students improve their pre-algebra math skills. The course uses a combination of the AGS math curriculum along with supplemental materials.

### ALGEBRA CONCEPTS

Algebra Concepts is typically taken by students in 10th or 11th grade. The course introduces students to key concepts and theories that provide a foundation for further study in mathematics. The course works to increase mathematical literacy, problem-solving, and critical thinking skills in students.

### GEOMETRY CONCEPTS 2025-2026

Geometry Concepts is offered every other year and is targeted toward juniors and seniors. Students will work on skills such as identifying and naming points,

lines, planes, angles, angle relationships, determining congruency and triangular relationships. They will also identify and name polygons, parallelograms, understand ratios and proportions, and determine relationships in circles.

### CONSUMER MATH 2026-2027

The Consumer Math course is offered every other year and targeted toward juniors and seniors who need additional instruction on math skills needed for everyday living beyond high school. The content of the course includes topics such as paying taxes, buying food, banking and investing, and managing a household.

### MATH CONCEPTS 1, 2, 3

The Math Concepts courses are geared toward students who need to strengthen their basic math skills. The skills learned in these courses will help students have basic math skills they will need throughout their life. The content of the course includes topics such as problem-solving, estimation, time, money, and the understanding of arithmetic operations.

### STUDY SKILLS, SOCIAL SKILLS, BEHAVIORAL SKILLS

#### APPLIED STUDIES (APPLIED STUDIES A, B, OR E)

The content of Applied Studies courses varies depending on the student's IEP goals and needs. Each of the courses provides targeted instruction to students based on their goals related to areas such as organization, study skills, self-regulation, self-advocacy, work completion, staying on task, and following directions.

## SECONDARY TRANSITION

### EMPLOYMENT SKILLS SEMINAR 11/12

The Employability Skills Seminar courses are designed to help students develop job searching and seeking skills. Students begin in ESS 11 and work on topics such as exploring a career interest, completing a career inventory, and utilizing technology in the areas of employment. The content continues in ESS 12 working on skills such as examining personal interests and establishing future goals based on interests. Students will work on developing and understanding the meaning of taxes and understanding how to complete basic employment forms.

### WORK SKILLS

The Work Skills course is designed for students who need to work on independent living skills and secondary transition skills. The course includes a mix of classroom instruction and practice in work experiences in the building.



## WORK EXPERIENCE

Students who are enrolled, or have taken, the Employability Skills Seminar course(s), have the opportunity to participate in work experience. The specifics of the course include students working during the school day and individual plans are determined between the student, the course instructor, and employers.

## OTHER COURSES

Courses: Adapted Physical Education, Current Events, Daily Living Skills, Fundamentals of Reading, and Math In addition to the courses listed above, students may also receive services in a smaller class size in order to work on more individualized skills. Placement is based on student needs, and IEP team decisions. Students may be placed in courses focused on basic reading, writing, and math skills as well as independent living skills.

# **DISTANCE LEARNING ACADEMY**







# DISTANCE LEARNING ACADEMY

The Distance Learning Academy offers a unique educational experience, combining rigorous academic courses with the flexibility to fit seamlessly into students' busy schedules. Designed to prepare learners for success in college and their future careers, the program emphasizes the skills needed for thriving in today's digital world, where many future learning and professional experiences will take place online. However, the decision to take online classes is not to be taken lightly. It is a collaborative process that involves parents/guardians, school counselors, and administration to ensure that the choices we make today align with our ultimate goals. To begin this journey, please complete

the interest form, which includes reflection questions about your readiness for online learning. A meeting will be scheduled in February to discuss this option in greater depth and determine the best path forward. The subsequent pages provide detailed information about the courses and descriptions of those offered for the 2025-2026 school year.

## **David Treichel**

651-674-1055 or email  
[dtreichel@isd138.org](mailto:dtreichel@isd138.org) or visit the  
website  
at: [www.isd138.org/o/dla](http://www.isd138.org/o/dla)

**Is DLA right for you? This survey must be completed before registering for any classes. [CLICK TO COMPLETE SURVEY](#)**

# CLASS OFFERINGS

## CORE CLASSES

### ENGLISH LANGUAGE ARTS

	SEM 1	SEM 2
English 9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
English 10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
English 11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
English 12		

### MATH

Intermediate Algebra	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Algebra II	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geometry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Probability and Stats	<input checked="" type="checkbox"/>	

### SCIENCE

	SEM 1	SEM 2
Earth Science	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Biology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chemistry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Physics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### SOCIAL STUDIES

	SEM 1	SEM 2
World History	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
US History	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Economics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geography	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
American Government & Citizenship	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## REQUIRED ELECTIVES

### ART (1 ART REQUIRED)

	SEM 1	SEM 2
Art History and Appreciation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Introduction to Visual Arts (Art Skills)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Theatre, Cinema, and Film Production 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### OTHER COURSES

DLA Seminar

## PHYSICAL EDUCATION & Health (1 PE AND HEALTH REQUIRED)

First Aid and Safety	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Foundation of Sports Fitness	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Health	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Health and Personal Wellness	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intro to Individual Sports I	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Intro to Individual Sports II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrition and Wellness	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Strength Training	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## OTHER ELECTIVES

### BUSINESS ELECTIVES

	SEM 1	SEM 2
Business and Information Technology I		<input checked="" type="checkbox"/>
Business and Information Technology II	<input checked="" type="checkbox"/>	
Entrepreneurship I		<input checked="" type="checkbox"/>
Hospitality and Tourism I	<input checked="" type="checkbox"/>	
Hospitality and Tourism II		<input checked="" type="checkbox"/>
Intro to Agriscience I	<input checked="" type="checkbox"/>	
Intro to Agriscience II		<input checked="" type="checkbox"/>

### COMPUTER SCIENCE ELECTIVES

	SEM 1	SEM 2
Coding I	<input checked="" type="checkbox"/>	
Coding II		<input checked="" type="checkbox"/>

### COLLEGE AND CAREER READINESS

	SEM 1	SEM 2
ACT English	<input checked="" type="checkbox"/>	
ACT Math	<input checked="" type="checkbox"/>	
ACT Reading	<input checked="" type="checkbox"/>	
ACT Science	<input checked="" type="checkbox"/>	
Career Explorations	<input checked="" type="checkbox"/>	
College and Career Prep I	<input checked="" type="checkbox"/>	
College and Career Prep II		<input checked="" type="checkbox"/>
Principles of Architecture and Construction I	<input checked="" type="checkbox"/>	
Principles of Architecture and Construction II		<input checked="" type="checkbox"/>
Work Based Learning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Work Based Learning Seminar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### ENGLISH ELECTIVES

	SEM 1	SEM 2
Creative Writing	<input checked="" type="checkbox"/>	
Gothic Literature: Monster Stories		<input checked="" type="checkbox"/>

### FACS ELECTIVES

	SEM 1	SEM 2
Child Development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Family Living and Healthy Relationships	<input checked="" type="checkbox"/>	
Food Handler and Food Manager Certificate		<input checked="" type="checkbox"/>
Introduction to Culinary Arts	<input checked="" type="checkbox"/>	
Introduction to Fashion Design		<input checked="" type="checkbox"/>

### MATH ELECTIVES

	SEM 1	SEM 2
Bridge Math	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Financial Math	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Probability and Stats	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### MUSIC ELECTIVES

	SEM 1	SEM 2
Music Appreciation A/B		

### SCIENCE ELECTIVES

	SEM 1	SEM 2
Anatomy A/B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental Science	<input checked="" type="checkbox"/>	
Forestry and Wildlife Management		<input checked="" type="checkbox"/>
Introduction to Criminology	<input checked="" type="checkbox"/>	
Introduction to Forensics		<input checked="" type="checkbox"/>
Introduction to Nursing I	<input checked="" type="checkbox"/>	
Introduction to Nursing II		<input checked="" type="checkbox"/>
Marine Biology	<input checked="" type="checkbox"/>	

### SOCIAL STUDIES ELECTIVES

	SEM 1	SEM 2
Ethnic Studies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intro to Military Careers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intro to World Religions	<input checked="" type="checkbox"/>	
Psychology	<input checked="" type="checkbox"/>	
Sociology		<input checked="" type="checkbox"/>
Women's Studies	<input checked="" type="checkbox"/>	



# DLA CORE COURSES

## ENGLISH

### ENGLISH 9

In English 9, students explore diverse, authentic, and complex texts while building skills aligned with Minnesota K-12 Academic Standards. Lessons follow a clear instructional cycle: warm-up, direct instruction with modeling, guided practice, independent practice, and closure. Students encounter texts multiple times in a unit, deepening their understanding of themes and focus standards. Activities include close reading, guided notes, and graphic organizers to support mastery. Scaffolding tools like Clarifying Big Ideas lessons address common misconceptions and strengthen foundational skills with modeling, examples, and detailed explanations, helping students engage deeply with content and develop critical literacy skills.

### ENGLISH 10

In English 10 A/B, students will analyze texts through close reading and apply reading strategies to deepen understanding. They will engage in writing across genres, conduct research, and make connections between reading and writing through analysis tasks. Lessons include practice questions, guided notes, and worksheets to help students record key takeaways and reinforce learning. Students will build foundational skills with scaffolding tools like Clarifying Big Ideas lessons, which provide detailed explanations, examples, and opportunities to address common misconceptions. This course ensures students develop critical thinking and effective communication skills while mastering English Language Arts standards.

### ENGLISH 11

In English 11 A/B, students will explore the connection between American history and literature. Semester A covers the colonial period through realism and naturalism, while Semester B examines modernism through the contemporary era, incorporating cultural and political contexts. Students engage with readings through pre-reading activities, interactive content, and tasks that foster active learning. Throughout both semesters, students develop grammar, vocabulary, speech, and writing skills. By analyzing texts, connecting literature to historical events, and engaging in scaffolded activities, students build critical thinking and communication skills while mastering Minnesota Academic Standards for English Language Arts.

### ENGLISH 12

In English 12 A/B, students explore literature in historical contexts, starting with the Anglo-Saxon and medieval periods in Semester A and progressing

through the romantic, Victorian, and modern eras in Semester B. Lessons include engaging tutorials, embedded activities, and opportunities for self-selected literary texts. Students develop media literacy, analyze texts, and connect literature to its historical significance. End-of-unit tests ensure mastery, while pretests allow focus on new content. Through this course, students refine critical reading and writing skills while engaging deeply with diverse texts and the historical periods that shaped them, aligned with Minnesota Academic Standards.

## MATH

### INTERMEDIATE ALGEBRA

In Intermediate Algebra, students engage with key mathematical concepts such as scientific notation, square and cube roots, the Pythagorean Theorem, and absolute value equations/inequalities. Lessons are shorter, interactive, and include videos that model problem-solving skills. Students work through practice questions, guided notes, and worksheets to reinforce learning and record key takeaways. Each lesson highlights specific Minnesota Math Standards, ensuring clarity for students and educators. Designed with input from classroom teachers, the course includes engaging activities and real-world problem-solving to build understanding and mastery of algebraic concepts, prioritizing student success and alignment with state standards.

### GEOMETRY

Geometry is aligned with the Minnesota K-12 Academic Standards in Mathematics, focusing on transformations, congruence, similarity, and the properties of two- and three-dimensional figures. Students apply geometric principles to real-world problems, building critical thinking and problem-solving skills. Lessons are designed to be concise, reinforcing connections between concepts with practice questions, technology-enhanced items, guided notes, and worksheets. Interactive videos model problem-solving, and multi-modal learning experiences support student engagement and sense-making. Scaffolding is included to build foundational skills and address misconceptions. This course prioritizes standards alignment and student success, based on educator feedback.

### ALGEBRA II

Algebra II A/B is aligned with the Minnesota Academic Standards for Mathematics, focusing on equations, inequalities, polynomials, quadratics, and exponential relationships. Lessons are shorter and grouped to reinforce connections, making concepts more digestible. Each lesson includes practice questions, technology-enhanced items, and explanations to support understanding. New features include worksheets for practice, guided notes, and interactive lessons with videos that model problem-solving skills. Multi-modal learning experiences



engage students in critical thinking. Scaffolding is embedded to build foundational skills and address misconceptions. Inspired by educator feedback, this course emphasizes standards alignment and student mastery in all aspects of design.

## SCIENCE

### EARTH & SPACE SCIENCE

In this interactive, lab-based course, you'll explore high school Earth and space science topics like the universe, tectonics, Earth's systems, and human impact on the planet. Through inquiry-based online lessons and hands-on experiments, you'll develop scientific skills and connect learning to the real world. Most labs use common household materials, with optional specialized labs for deeper exploration. Whether you're uncovering Earth's history or investigating its future, this course helps you think critically and explore your role in understanding and protecting our planet.

### BIOLOGY

In this interactive, lab-based course, you'll explore high school biology topics like cells, organ systems, heredity, evolution, and ecosystems. Through inquiry-based online lessons and hands-on experiments, you'll develop a deeper understanding of how life works. Most labs use common household materials, with optional specialized labs for advanced exploration. Whether investigating energy use in organisms or the interdependence of ecosystems, this course builds your scientific skills and connects biology to real-world challenges.

### CHEMISTRY

In this engaging, lab-based chemistry course, you'll explore key topics like atoms, chemical reactions, molecular forces, and energy changes, while meeting NGSS standards. You'll also dive into advanced concepts like stoichiometry, gas laws, and organic compounds. Through interactive online lessons and hands-on experiments, you'll build a strong understanding of chemistry's role in the world. Most labs use common household materials, with optional specialized labs for deeper exploration. This course develops your problem-solving skills and helps you connect chemistry to real-world applications.

### PHYSICS

In this engaging physics course, you'll explore the principles of motion, matter, force, heat, light, sound, and more. From Galileo and Newton to modern discoveries, you'll uncover the history and concepts behind the physical world. The course focuses on understanding concepts rather than heavy calculations, preparing you for college-level physics. Topics like electricity, magnetism, and nuclear physics are also covered. Virtual labs use simple

household items, making experiments accessible and interactive. This course helps you build critical thinking skills and connect physics to everyday life.

## SOCIAL STUDIES

### WORLD HISTORY

In World History, you'll explore how today's world was shaped by events, cultures, and innovations from thousands of years ago. Through primary sources, case studies, and research, you'll investigate how societies, governments, economies, and cultures have evolved over time. You'll build historical thinking skills by connecting key events and ideas to larger global trends. Assignments include analyzing sources, crafting historical arguments, and sharing your insights through journal entries, essays, and visual presentations. Interactive discussions allow you to exchange and defend ideas. This course is designed to help you master key skills and understand history's impact on the present.

### US HISTORY

In U.S. History, you'll explore the key people, events, and ideas that have shaped the United States, guided by investigative questions to deepen your understanding. Through engaging lessons and activities, you'll analyze the impact of historical events on diverse groups and learn to think critically about the decisions made by historical figures. You'll evaluate primary and secondary sources, form evidence-based opinions, and develop important historical thinking skills. Clarifying Big Ideas lessons provide strategies to strengthen your critical thinking and analysis, helping you connect past events to the nation's growth and development.

### ECONOMICS

This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

### GEOGRAPHY

In this one-semester course, you'll explore the diverse geographies that shape our global community and gain a deeper understanding of our interconnected world. You'll start with an overview of the physical world and the tools geographers use to study it. Then, you'll examine the unique features of each continent, learning how geography influences culture, economies, and international relationships. Through engaging activities and analysis, you'll develop a global perspective, preparing you for success in college, careers, and life in an increasingly interconnected world.



## DLA PE & HEALTH ELECTIVES

### FIRST AID & SAFETY

In this course, you'll learn and practice first aid skills for common injuries like muscle, bone, and soft tissue injuries. You'll also discover how to handle emergencies, including choking and CPR for infants, children, and adults. The course covers safety tips for personal, household, and outdoor situations, as well as disaster preparedness.

### FOUNDATIONS OF SPORT & FITNESS

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of martial arts, Pilates, fencing, gymnastics, and water sports. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the components of fitness, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

### HEALTH

This course covers essential health topics through five engaging units: nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health. You'll explore key health concepts, solve real-world problems, and demonstrate your understanding in practical ways.

### HEALTH & PERSONAL WELLNESS

This health course helps you develop the knowledge and skills for a healthy lifestyle. You'll explore emotional, social, and physical health and learn how they connect. You'll set personal goals, study behavior changes, and apply wellness strategies to your own life. Topics include substance abuse, safety and injury prevention, environmental health, and smart consumer choices.

### INTRODUCTION TO INDIVIDUAL SPORTS I&II

The Individual Sports course offers an engaging overview of various sports while focusing on running, walking, strength training, yoga, Pilates, dance, water sports, and cross-training. You'll explore the history, rules, and guidelines of each sport, practice essential skills, and learn about fitness components, the FITT principles, and the benefits of an active lifestyle. Topics also include proper safety techniques and good nutrition to support your fitness goals. As part of the course, you'll conduct fitness assessments, track your progress, and engage in weekly physical activities to apply what you've learned and stay active!

## AMERICA GOVERNMENT & CITIZENSHIP

In this one-semester Citizenship and Government course, you'll learn about the rights and responsibilities of being an engaged citizen. You'll explore the origins and principles of U.S. government, the development of the Constitution, and the role of political parties. Through critical thinking, you'll examine important topics like landmark Supreme Court cases and how they shape our society. By the end of the course, you'll have a solid foundation in U.S. government and be prepared to participate actively in your community and democracy.

## DLA ART ELECTIVES

### ART HISTORY AND APPRECIATION

In this interactive, lab-based course, you'll explore high school Earth and space science topics like the universe, tectonics, Earth's systems, and human impact on the planet. Through inquiry-based online lessons and hands-on experiments, you'll develop scientific skills and connect learning to the real world. Most labs use common household materials, with optional specialized labs for deeper exploration. Whether you're uncovering Earth's history or investigating its future, this course helps you think critically and explore your role in understanding and protecting our planet.

### INTRODUCTION TO VISUAL ARTS

In this interactive, lab-based course, you'll explore high school biology topics like cells, organ systems, heredity, evolution, and ecosystems. Through inquiry-based online lessons and hands-on experiments, you'll develop a deeper understanding of how life works. Most labs use common household materials, with optional specialized labs for advanced exploration. Whether investigating energy use in organisms or the interdependence of ecosystems, this course builds your scientific skills and connects biology to real-world challenges.

### THEATRE CINEMA & FILM PRODUCTION

Theater, Cinema, and Film Production is a one-semester course that takes you behind the scenes of theater and film. Explore the stages of production—pre-production, production, and post-production—while learning about various genres and subgenres. Discover the roles of directors, actors, writers, set designers, costume designers, makeup artists, and more. Dive into the technical side with lessons on lighting, sound, and how audiences shape productions. Engaging lessons, activities, and discussions will immerse you in the exciting world of theater, cinema, and film, helping you understand how creative visions come to life.



## NUTRITION AND WELLNESS

Nutrition and Wellness is a one-semester course that introduces you to the basics of nutrition and health. You'll learn about nutrients, food sources, and how they affect the body, as well as food labels and dietary recommendations. Explore digestion, fitness, and how nutritional needs change throughout life or with specific conditions. The course also covers food safety, preparation, menu planning, and trends in the food industry. You'll discover career options in nutrition and wellness while building skills like goal setting, career planning, and workplace ethics to help prepare for your future.

## STRENGTH TRAINING

This one-semester course helps you build muscular strength and endurance. You'll assess your fitness level, set goals, and create a personalized resistance training program. Learn about muscular anatomy and exercises to target specific muscle groups while focusing on proper posture and technique. The course also covers key fitness principles like FITT, progression, and overload, helping you understand how to safely and effectively improve your strength.

## DLA BUSINESS ELECTIVES

### BUSINESS & INFORMATION TECHNOLOGY I & II

In this course, you will learn about business, marketing, product design, careers, and communication. You will analyze the basic concepts of entrepreneurship and different types of business ownership. You will also learn how to create effective personal and business correspondence. You will identify the basic concepts of marketing and marketing strategies to compete in the marketplace. You will develop promotional materials for a product or service using digital graphics. You will create a personal profile by evaluating your personal values, interests, and aptitudes. You will also develop a career plan. Finally, you will create an electronic portfolio and learn how to conduct a job search in a specific area of interest.

### ENTREPRENEURSHIP I

This one-semester course is intended to help you identify the components of a business plan, describe ideation and innovation in products and pricing, explain the market research process, and list various management functions of operations management.

### HOSPITALITY & TOURISM I & II

Principles of Hospitality and Tourism is intended to help you familiarize yourself with the hospitality and tourism industry. This course will cover the history, diversity, components, and career opportunities in the hospitality and tourism industry.

## INTRO TO AGRISCIENCE I & II

In this course, Food, and Natural Resources course, you'll explore a variety of career options in the agriculture, food, and natural resources industries. You'll learn about technology, safety, and regulations in agricultural science, as well as topics like international agriculture, world trade, sustainability, and environmental management. Discover how research and innovation are shaping the future of agriculture. This course will help you understand how to meet the rising demand for sustainable food sources while addressing the challenge of producing higher yields to feed a growing global population.

## DLA COMPUTER SCIENCE ELECTIVES

### CODING I & II

This course that is designed to familiarize students with the basics of computer programming. Students will learn about data representation, program execution, programming languages, and program structures. They will also create web pages in HTML and a JavaScript program. Then students will learn about the phases of the software development life cycle (SDLC) and methods of software development, including learning about security threats, disaster recovery, and data privacy issues. In addition, the course covers the skills, ethics, and training required for careers in computer programming.

## DLA COLLEGE AND CAREER READINESS ELECTIVES

### ACT PREP

ACT Test Prep helps students get ready for the ACT by covering the key content and skills needed to succeed. This course focuses on the subjects tested on the exam and provides strategies to tackle each section effectively. The ACT measures your educational development and readiness for college-level work. Note: ACT® is a registered trademark of ACT, Inc.

### CAREER EXPLORATIONS

In the one-semester Career Explorations course, you'll explore career opportunities across various clusters and pathways while creating a personalized academic and career plan based on your interests, skills, and goals. Through hands-on activities and projects, you'll gain practical insights and develop a roadmap for your future success.

### COLLEGE & CAREER PREP I

College and Career Preparation I helps high school students navigate the college application process, explore career options, and plan for the future.



Students learn how high school performance impacts college admissions, prepare for college entrance exams, and explore different types of schools and degrees. The course also introduces financial aid options that make college more affordable. On the career side, students discover how their interests connect to college majors and career paths through an exploration of career clusters. By the end of the course, students are equipped with the knowledge and skills to transition smoothly into College and Career Preparation II for more hands-on guidance.

## COLLEGE & CAREER PREP II

College and Career Preparation II helps students build on the skills they learned in College and Career Preparation I. This course provides a step-by-step guide to choosing a college, filling out applications, and preparing for college admission tests. Students also explore financial aid options to help make college more affordable. In addition to college readiness, the course focuses on career preparation, including interview skills, job shadowing, and internships. Through interactive activities, students sharpen their time management, organization, and critical thinking skills. By the end of the course, students are equipped with the tools they need to succeed in college and their future careers.

## PRINCIPLES OF ARCHITECTURE & CONSTRUCTION I

Principles of Architecture and Construction, Semester B begins by describing basic computer hardware and software. In this course, you will create enhanced documents by using word processing software and explain the options for creating and managing spreadsheets. This course also covers the key concepts of urban design and its relationship with city government. Finally, you will learn about construction documents and standards.

## DLA ENGLISH ELECTIVES

### CREATIVE WRITING

Creative Writing is a one-semester course designed for anyone who wants to explore creative writing, whether as a career or a hobby. Students dive into various genres and techniques, learning essential elements like plot and characterization. This course emphasizes more than just learning about writing—it's about sparking ideas, planning, drafting, revising, and experimenting with different forms and styles. Through lessons and activities, students will discover the structure and elements of various writing genres while developing their own unique voice and style.

### GOTHIC LITERATURE: MONSTER STORIES

Gothic Literature is a one-semester course that explores the mysterious and eerie world of Gothic

writing. Students will study classic works like *Frankenstein* by Mary Shelley, *Dracula* by Bram Stoker, *The Strange Case of Dr. Jekyll and Mr. Hyde* by Robert Louis Stevenson, and *The Scarlet Letter* by Nathaniel Hawthorne. They'll dive into Edgar Allan Poe's chilling short stories, Emily Dickinson's poems about mortality, and Gothic dramas by Matthew Lewis and Percy Bysshe Shelley. The course also examines Gothic parodies, sub-genres, and modern Gothic works, giving students a full view of this captivating literary tradition.

## DLA FACS ELECTIVES

### CHILD DEVELOPMENT

This one-semester course is intended to help you familiarize yourself with various aspects of child development and parenting. This course covers the fundamental concepts of parenting and the roles and responsibilities of parents. It also covers essential communication skills related to parent child interaction. In addition, the course covers important workplace qualities and skills, such as positive work ethics, integrity, and time and resource management. It also covers technology and recent trends in parenting.

### FAMILY LIVING & HEALTHY RELATIONSHIPS

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self- discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

### FOOD MANAGER AND FOOD HANDLER CERTIFICATE

The Food Handler and Food Manager Certifications course prepares you for success on the National Restaurant Association (NRA) ServSafe® Food Handler and Manager Certification exams. In this course, you'll learn essential food safety principles, including proper hygiene practices, time and temperature control, and safe food handling from purchase to serving. You'll also explore procedures for cleaning, sanitizing, and meeting food service inspection standards. Whether you're pursuing a career in food service or management, this course equips you with the skills and knowledge to ensure food safety and quality in any professional kitchen setting.



## INTRO TO CULINARY ARTS

Culinary Arts is a two-semester course that introduces you to the history, science, and practical skills of the culinary industry. You'll learn about nutrition, health, safety, and sanitation, along with the science behind cooking techniques. This course covers essential skills like menu planning, food presentation, and service styles while also exploring kitchen management and career opportunities in the culinary field. Through hands-on learning, you'll practice making a variety of dishes and gain insights into what it takes to succeed in the culinary industry. Built on Career and Technical Education (CTE) standards, this course helps prepare you for exciting culinary careers.

## INTRO TO FASHION DESIGN

Introduction to Fashion Design offers an exciting look into the world of fashion and prepares you for careers in the industry. You'll explore the history of fashion, learn essential terms and concepts, and understand fashion's role in today's world. The course covers the entire fashion design process—from finding inspiration and creating sketches to predicting consumer demand, setting prices, and bringing a garment to life. Gain insight into fashion forecasting and explore how trends shape design. Whether you're interested in creativity or business, this course provides a comprehensive foundation to help you start your journey in fashion design.

## DLA MATH ELECTIVES

### BRIDGE MATH

Bridge Math is a fourth-year course designed to strengthen your understanding of key math concepts from Algebra I, Geometry, and Algebra II. Perfect for reviewing and solidifying foundational skills, this course covers topics like rational and irrational numbers, systems of equations, quadratic and exponential functions, triangles, geometry, probability, data analysis, and more. You'll sharpen your problem-solving and computational skills while applying math to real-world scenarios. Lessons include guided notes, practice activities, and interactive exercises to help you build confidence. With plenty of opportunities to practice and explain your thinking, Bridge Math prepares you for future studies and everyday math challenges.

### FINANCIAL MATH

Financial Math combines algebraic thinking with practical financial skills to prepare you for real-life financial decisions. You'll explore how algebra applies to everyday situations like investing, credit, taxes, and insurance. Learn about linear, exponential, and quadratic relationships in financial contexts while gaining the tools to manage your finances effectively. From creating your first budget to planning for retirement, this course helps you build the confidence to tackle financial challenges and make smart decisions for your future.

## PROBABILITY & STATS

This course is perfect for 11th and 12th graders looking to deepen their understanding of data and probability. You'll learn how to represent and interpret data, analyze relationships between data sets, and understand concepts like independent and conditional probability. Explore how to apply probability, draw meaningful conclusions, and use these skills to make informed decisions. This course builds a strong foundation in practical math concepts, helping you develop critical thinking and problem-solving skills for real-world applications.

## DLA MUSIC ELECTIVES

### MUSIC APPRECIATION

Music Appreciation introduces students to the history, theory, and genres of music, from the most ancient surviving examples to the most contemporary in the world at large. The course is offered in a two-semester format. The first semester covers primitive musical forms and classical music. The second semester presents rich modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip-hop.

## DLA SCIENCE ELECTIVES

### ANATOMY A/B

The course begins with an overview of the organization and structure of the human body. You will learn to interpret common medical terminology. In addition, you will describe the structures and functions of cells and tissues. You will also learn about the cardiovascular, immune, respiratory, digestive, and renal/urinary systems and common diseases and disorders associated with these systems.

### ENVIRONMENTAL SCIENCE

This one-semester course is intended to introduce you to some of the main concepts of environmental science. It will help you gain knowledge of some of the natural processes that occur in nature and understand their importance and relevance. You will also gain awareness of some of the environment-related issues and challenges we face in the world today.

### FORESTRY AND WILDLIFE MANAGEMENT

Explore the exciting field of Forestry and Wildlife Management in this two-semester course! Discover career and entrepreneurial opportunities while learning about safety procedures, natural resource management, and laws that guide the industry. Dive into topics like soil, water, forests, wildlife, and rangeland management, including the impact of overgrazing. Gain hands-on knowledge of tools and practices used by professionals in forestry and wildlife careers. Engaging activities, videos, and interactive lessons make complex topics easy to understand, while projects and tests help you apply critical thinking and reinforce key concepts. Get ready to protect and manage natural resources for a sustainable future.



## INTRO TO CRIMINOLOGY

Discover the basics of criminology in this engaging one-semester course designed for high school students. You'll explore key concepts and analyze different criminology theories to understand why crimes happen. Learn about approaches to punishing offenders, deterring criminal behavior, and promoting justice through peaceful solutions. This course will give you a deeper insight into crime and its impact on society while encouraging critical thinking about justice and fairness.

## INTRO TO FORENSICS

Dive into the fascinating world of forensic science with this course! You'll learn how to process crime scenes, collect and preserve evidence, and analyze fingerprints, blood spatter, and DNA. Explore how forensic experts determine the time and cause of death, examine ballistic evidence, and study human remains. You'll also uncover investigative methods for solving arson cases, computer crimes, financial fraud, and forgeries. Along the way, discover the importance and limitations of forensic science and explore exciting career opportunities in this field.

## INTRO TO NURSING I & II

This two-semester course offers an in-depth introduction to the field of nursing. In the first semester, you'll explore the history of nursing, education and licensure requirements, career paths, and key responsibilities. You'll also build a strong foundation in anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. The second semester focuses on nursing theories, the nursing process (assessment, diagnosis, and treatment), and professional standards and ethics. You'll also develop essential skills like communication, teaching, time and stress management, patient safety, and crisis management, preparing you for a rewarding career in nursing.

## MARINE BIOLOGY

The course begins with an overview of the organization and structure of the human body. You will learn to interpret common medical terminology. In addition, you will describe the structures and functions of cells and tissues. You will also learn about the cardiovascular, immune, respiratory, digestive, and renal/urinary systems and common diseases and disorders associated with these system

## DLA SOCIAL STUDIES ELECTIVES

### ETHNIC STUDIES

In this one-semester course, you'll explore the history, culture, and experiences of diverse ethnic and racial groups in the U.S., including Indigenous peoples, African Americans, Latin Americans, and Asian Americans and Pacific Islanders. Learn about their contributions, struggles, and achievements while examining the effects of historical and modern laws and policies. You'll study the challenges these groups faced in their fight for citizenship and equality, as well as their lasting impact on American society.

## INTRO TO MILITARY CAREERS

Explore the world of military careers in this one-semester course! You'll learn about the six branches of the U.S. military—National Guard, Army, Navy, Marine Corps, Coast Guard, and Air Force—and how the reserves fit in. Discover exciting non-combat roles in areas like intelligence, IT, healthcare, law, logistics, aviation, and more. This course also covers enlistment requirements, fitness standards, and the personal traits needed to succeed in military life.

## INTRO TO WORLD RELIGIONS

Discover the rich diversity of world religions in this one-semester course designed for high school students. You'll explore the origins, history, beliefs, and practices of major faiths like Hinduism, Buddhism, Judaism, Christianity, Islam, and more, including primal traditions and contemporary movements. Learn how these religions have shaped cultures and influenced the world, gaining a deeper understanding of spiritual practices and traditions. This course provides a fascinating look into the similarities and differences among global religions, helping you develop a broader perspective on beliefs and communities around the world.

## PSYCHOLOGY

This psychology course offers a fascinating look at how people think, feel, and behave. You'll explore the history of psychology, learn how psychologists create and test theories, and discover how factors like genetics, culture, and society shape who we are. Dive into the basics of counseling and therapy, understand key research methods, and even pick up essential statistical concepts. Plus, you'll explore exciting career paths in psychology to see how this knowledge applies in the real world.

## SOCIOLOGY

In this sociology course, you'll explore how society works and how individuals influence and are shaped by it. Learn about the evolution of sociology, key concepts, and social processes while examining the role of culture, social structures, socialization, and social change in everyday life. Through engaging lessons, activities, and discussions, you'll discover how sociology connects to real-world issues and potential career paths, making this subject both exciting and relevant.

## WOMEN'S STUDIES

In this one-semester course, you'll dive into women's studies and gender studies, exploring the history of feminism, feminist theories, and intersectionality. Learn about social and political movements for gender equality and how stereotypes, biases, and media shape perceptions of gender roles. You'll examine family and social structures, forms of oppression, and strategies to prevent injustice and support victims. Discover the power of international activism and the ongoing challenges in achieving equality for everyone. Through lessons, activities, and discussions, this course will help you understand the importance of women's studies and how it connects to real-world issues.



# CONTACT US

If you have any questions regarding our registration process, please do not hesitate to call or email. Below is a list of staff who are able to help with any concerns.

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