



2024-2025

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!

A handwritten signature in white ink that reads "Clint Link". The signature is fluid and cursive.

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.

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

MIDDLE & CAREER

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

LIFE & CAREER

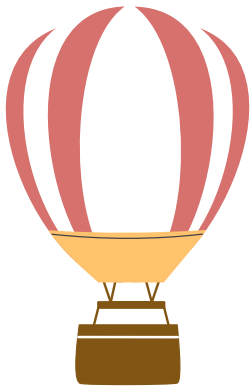
- CTE see pg. 29
- Mathematical Thinking
- Work Based Learning
- Co-curricular & Extra Curricular Activities



TOOLS FOR LIFE

PREPARING LEARNERS

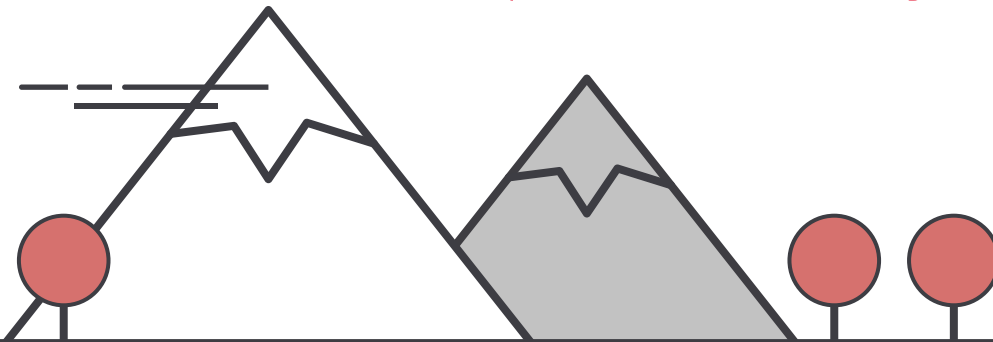
Students who are **LIFE READY** possess a **growth mindset** and **approach their future with confidence**.



NBAHS wants Vikings to succeed in school and to thrive in life! This includes being prepared to succeed in a workforce where teamwork skills, organizational skills, perseverance, self-discipline, self-control, critical thinking, perspective taking and similar skills are more prized and sought after than ever before.

This is why staff are intentional about teaching Life Skills at North Branch Area High School, and prioritize building up students' essential interpersonal skills in five areas:

Self Awareness, Self Management, Social Awareness, Relationship Skills, Responsible Decision Making.



**SELF
AWARENESS**



**SELF
MANAGEMENT**



**SOCIAL
AWARENESS**

LIFE READINESS

TOOLS FOR SUCCESS

growth mindset that empowers them to
succeed, to dream big, and to achieve big!

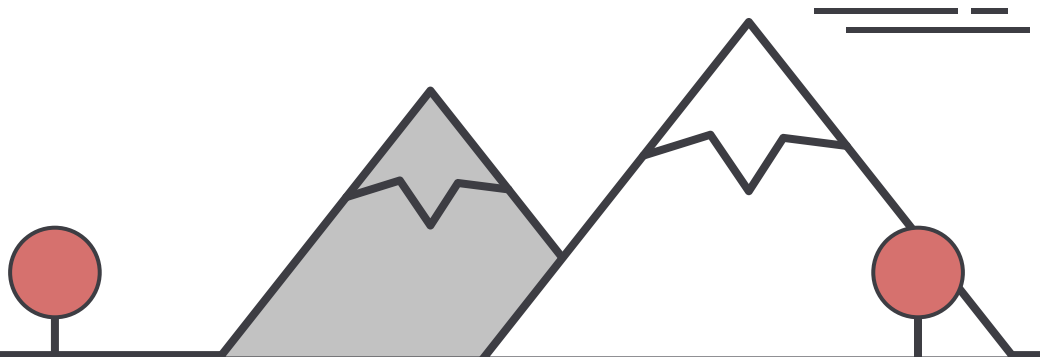
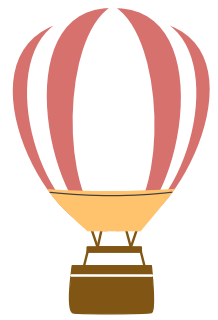
Just a few examples of building life skills include:

The Viking Way:

All high school students are expected to show Safe, Respectful and Responsible behavior. Staff communicate clear and consistent behavior expectations in these areas for all areas of the school building.

Ninth Grade Support program:

Ninth grade teachers operate in teams designed to support freshman students in building strong relationships and engaging in their learning.



SOCIAL
SKILLS



RELATIONSHIP
SKILLS



RESPONSIBLE
DECISION MAKING

THE BIO

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 11th grade
or 8th, 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,

- Ag & Consumer Mechanics
- Ag & Food Processing
- Fish & Wildlife Management
- Floral Design

■ Law, Public Safety, Corrections & Security

- Civil Law
- JROTC

■ 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

■ 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

CAREER FIELD
Business, Management, & Administration

CAREER FIELD
Human Services

CAREER FIELD
Agriculture & Natural Resources

CAREER FIELD
Foundational Knowledge

Academic and Technical Skills

- Employability
- Teamwork
- Career Development
- Problem Solving
- Information Technology
- Legal Responsibilities
- Safety, Health and Wellness
- Social Studies
- English
- Personal Finance

CAREER FIELD
Health Science

■ Health Science

- Medical Terminology
- Viking IT II
- Introduction to Engineering Design
- Dynamic Decision Making
- Your Move Your Choice
- Health

COURSES TOWARDS CAREER PATHWAYS

& Natural Resources

- [Advanced Floral Design](#)
- [Horticulture & Landscaping](#)
- [Large Animal Science](#)
- [Small Animal Science](#)

CAREER FIELD

...re, Food, Resources

Information and Skills

Technical Literacy

- Ethics • Systems
- Career Development
- Critical Thinking
- Technology Application
- Communication
- and Environment
- Math • Science
- Personal Finance

Science
ology

CAREER FIELD

- [Foundations of Sports Fitness](#)
- [Girls in Motion](#)
- [Individual & Dual Sports](#)
- [Strength & Conditioning I & II](#)
- [Team Sports](#)

CAREER FIELD

Arts, Communications, & Information Systems

Engineering, Manufacturing, & Technology

■ Arts, Audio/Video Technology, & Communications

- [Beginning Piano](#)
- [Advanced Piano](#)
- [Beginning Guitar](#)
- [Advanced Guitar](#)
- [Jazz Band](#)
- [Symphonic Band](#)
- [Varsity Band](#)
- [Varsity Band/Choir](#)
- [Concert Choir](#)
- [Harmonaires](#)
- [Valkyrie Choir](#)
- [Viking Choir](#)
- [College History of Rock & Roll](#)
- [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](#)
- [Intro to Communications](#)

■ Information Technology

- [Viking IT I, II, III, IV](#)
- [Computer Science Principles](#)
- [Computer Science A](#)

■ Transportation, Distribution & Logistics

- [Auto I, II, III](#)
- [JROTC Milestone in Aviation](#)

■ 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

ENGLISH LANGUAGE ARTS

	SEM 1	SEM 2
English 9	1002	2002
English 10	1038	2038
English 11/12	10181	20181
Intro to Communications	1052	1052
College English	1050	2050

MATH

	SEM 1	SEM 2
Geometry	1123	2123
Intermediate Algebra	1106	2106
Algebra II	1126	2126

SCIENCE

	SEM 1	SEM 2
Earth Science	1305	2305
Biology	1310	2310
Chemistry	1320	2320
Physics	1322	2322
College Chemistry	1321	2321

SOCIAL STUDIES

	SEM 1	SEM 2
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

AFJROTC

	SEM 1	SEM 2
AS410: Survive & Return	1500	2500
AS 400: Management of the Cadet Corps	1499	2499

AGRICULTURE

	SEM 1	SEM 2
Ag & Consumer Mechanics	1737	1737
Ag & Food Processing	1738	1738
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

ART

	SEM 1	SEM 2
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

BUSINESS

	SEM 1	SEM 2
Advanced Tech for Yearbook	1631	2631
Advanced Marketing/DECA	1603	2603
Business in Action Retailing I	1609	2609
Business in Action Retailing II	1606	2606
Civil Law	1620	1620
Foundations of Business	1604	1604
Sports Entertainment Travel & Marketing	1608	1608
Small Business Ownership	1611	1611

COMMUNICATION TECHNOLOGY

	SEM 1	SEM 2
Computer Science A	1715	1715
Computer Science Principles	1716	1716
Introduction to Engineering Design	1704	1704
Viking IT I	1893A	1893A
Viking IT II	1893B	1893B
Viking IT III	1893C	1893C
Viking IT IV	1893D	1893D

ENGLISH ELECTIVES

	SEM 1	SEM 2
Creative Writing	1053	1053

FACS

	SEM 1	SEM 2
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

HEALTH CAREERS

	SEM 1	SEM 2
Medical Terminology	1773	1773
Nursing Assistant Training	2230	2230

MANUFACTURING

How to Make Almost Anything	1723	1723
Beginning Machining	1719	1719
Advanced Machining	1720	1720
Beginning Welding	1509	1509
Advanced Welding	1510	1510

MATH ELECTIVES

	SEM 1	SEM 2
Intro to Statistics & Probability	1108	1108
College Algebra/Trigonometry	1170	2170
College Calculus	1181	1181
College Statistics	1112	1112

CLASS OFFERINGS

MUSIC	SEM 1	SEM 2			
Beginning Piano	1759	1759	College Political Science	1459	1459
Advanced Piano	1762	1762	College Psychology	1455	1455
Beginning Guitar	1761	1761	Personal Finance	1610	1610
Advanced Guitar	1765	1765	Psychology	1452	1452
Jazz Band	1748	2748	TRANSPORTATION		
Symphonic Band	1750	2750	Auto I - Introduction to Auto	1724	1724
Symphonic Band & Concert Choir	1752	2752	Auto II - Brakes	1725	1725
Varsity Band	1749	2749	Auto III - Vehicle Service	1727	1727
Varsity Band/Choir	1764	2764	VIKING BRIDGE		
Concert Choir	1757	2757	Work Based Learning Seminar	1613	1613
Harmonaires	1768	2768	Work Based Learning: Business & Marketing	1612	2612
Valkyrie Choir	1755	2755	Work Based Learning: Early Education	1689	2689
Viking Choir	1753	2753	Work Based Learning: Family & Consumer Science	1686	2686
College History of Rock & Roll	1754	1754	Work Based Learning: Trade & Industry	1687	2687
PHYSICAL EDUCATION & HEALTH			Supervised Agricultural Experience	1688	2688
Dynamic Decisions: Your Move Your Choice	1228	1228	Teaching Assistant	1887	2887
Foundations of Sports Fitness	1207	1207	WORLD LANGUAGE		
Girls in Motion	1206	1206	French I	1783	2783
Individual & Dual Sports	1221	1221	French II	1786	2786
Health	1204	1204	French III	1789	2789
Team Sports	1222	1222	College French	1792	2792
Strength & Conditioning I	1220	1220	Spanish I	1795	2795
Strength & Conditioning II	1226	1226	Spanish II	1798	2798
SCIENCE ELECTIVES			Spanish III	1800	2800
College Biology	1311	2311	College Spanish	1806	2806
Human Anatomy & Physiology	1326	2326	OTHER COURSES		
Outdoor Adventures	1324	1324	Viking Seminar	1889	2889
SOCIAL STUDIES ELECTIVES					
College Ancient & Medieval World History	1456	1456			



Class of 2025 Graduation Requirements

ENGLISH - LANGUAGE ARTS

6.0
TOTAL CREDITS

English 9	3
English 10	1
English 11	1
English 12	1

MATHEMATICS

5.0
TOTAL CREDITS

Geometry	1
Intermediate Algebra	3
Algebra 2	1

SCIENCE

5.0
TOTAL CREDITS

Physical Science	3
Biology	1
Chemistry/Physics	1

SOCIAL STUDIES

5.5
TOTAL CREDITS

American Government & Citizenship	.5
World History	3
US History	1
Economics	.5
Geography	.5

PHYSICAL EDUCATION/HEALTH

1.0
TOTAL CREDITS

Health	.5
PE	.5

ART

1
TOTAL CREDITS

ART	1
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ELECTIVES

14
TOTAL CREDITS

Electives	14
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Total Credits Required for Graduation

37.5

CLASS OF 2025 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: _____

Student ID: _____

4 Year Plan:

Fill in the Courses you will take each year

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

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	1 Credits	1 Credits	1 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits
Graduation Requirements	1 Credits	1 Credits	1 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits	.5 Credits
English 6 Credits									
Math 5 Credits									
Physical Science 3 Credits									
Biology 1 Credit									
Chemistry or Physics 1 Credit									
World History 3 Credits									
Geography .5 Credits									
US History 1 Credit									
American Government & Citizenship .5 Credits									
Economics .5 Credits									
PE .5 Credits									
Health .5 Credits									
Art 1 Credit									
Electives 14 Credits									

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
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ELECTIVES

8
TOTAL CREDITS

Electives	8
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Total Credits Required for Graduation

23.5

CLASS OF 2026 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: _____

Student ID: _____

4 Year Plan:

Fill in the Courses you will take each year

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

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	.5 Credits	.5 Credits
Graduation Requirements									
English 4 Credits									
Math 3 Credits									
Physical Science 1 Credit									
Biology 1 Credit									
Chemistry or Physics 1 Credit									
World History 1 Credit									
Geography .5 Credits									
US History 1 Credit									
American Government & Citizenship .5 Credits									
Economics .5 Credits									
PE .5 Credits									
Health .5 Credits									
Art 1 Credit									
Electives 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
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OTHER COURSE

.5
TOTAL CREDITS

Freshman Seminar	.5
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Total Credits Required for Graduation

23.5

CLASS OF 2027 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: _____ Student ID: _____

4 Year Plan:

Fill in the Courses you will take each year

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

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

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
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ELECTIVES

8
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

23.5

CLASS OF 2028 NORTH BRANCH AREA HIGH SCHOOL GRADUATION CHECKLIST

Name: _____ Student ID: _____

4 Year Plan:

Fill in the Courses you will take each year

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

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	.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								
American Government & Citizenship .5 Credits								
Economics .5 Credits								
PE .5 Credits								
Health .5 Credits								
Art 1 Credits								
Viking Seminar .5 Credits								
Electives 7.5								

REQUIRED COURSES



9th GRADE REQUIRED COURSES

9th 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.

10TH GRADE REQUIRED COURSE

23

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

What does it mean to be alive? 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.

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

11th GRADE REQUIRED COURSE

PICK 1 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.

INTRODUCTION TO COMMUNICATION

SEMESTER COURSE #1052

Prerequisite: 2.6 GPA

College Level: 3 College Credits

This course is designed to help students become more effective communicators in a variety of contexts. It introduces students to fundamental elements and models of communication, basic communication theory, interpersonal communication, small group communication and public speaking. Students will perform at least one speech, participate actively as a member of an audience, study relational communication and help make a small group presentation. This class is a great opportunity because many colleges require this course.

**Students who register for this course must also register for one semester of English 11/12.*

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 STATISTIC & 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

Yearlong: Must register for both semesters

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

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

Prerequisite: Biology

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

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

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.

12TH 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.

INTRODUCTION TO COMMUNICATION

SEMESTER COURSE #1052

Prerequisite: 2.6 GPA

College Level: 3 College Credits

This course is designed to help students become more effective communicators in a variety of contexts. It introduces students to fundamental elements and models of

communication, basic communication theory, interpersonal communication, small group communication and public speaking. Students will perform at least one speech, participate actively as a member of an audience, study relational communication and help make a small group presentation. This class is a great opportunity because many colleges require this course.

| **Students who register for this course must also register for one semester of English 11/12.*

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

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.



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

31

SURVIVAL & RETURN 410 9-12

SEMESTER 1 #1502

SEMESTER 2 #2502

If you were stranded on the roadside or lost in the woods, would you know what to do? Air Force JROTC Survival: Survive and Return, is a basic survival skills course. The information comes from Air Force Regulation 64-4, Survival Training. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm. We will also focus on communication, awareness and leadership.

LE 200: COMMUNICATION, AWARENESS & LEADERSHIP 9-12

The leadership portion of this course stresses communication skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the

academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Students are required to wear the issued AFJROTC uniform and physical fitness uniform once a week or as directed and maintain grooming standards.

AS 400: MANAGEMENT OF CADET CORE 11-12

SEMESTER 1 #1499

SEMESTER 2 #2499

Prerequisite: *Instructor recommendation ONLY.*

AS-400 is intended primarily for 3rd and 4th year cadets who hold corps management/leadership positions. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses/experiences into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets with oversight by the Senior Aerospace Science Instructor. The cadets will put into practice their communication,

decision-making, personal interaction, managerial, and organizational skills.



AFJROTC COURSE PLANNING GUIDE

This listing is in place to provide choice. This is an overview of the opportunities available over the next four years allowing students to plan their schedules accordingly.

AEROSPACE SCIENCE COURSE OF STUDY

2024-2025 AEROSPACE SCIENCE 410

SURVIVAL: SURVIVE AND RETURN

This is an Air Force survival course. The course will cover information found in Air Force Regulation 64-4 Survival Training. The Survival course will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Students will grasp concepts of elements of surviving, personal protection, necessities to maintain life, and orientation and traveling.

2025-2026 AEROSPACE SCIENCE 300

EXPLORING SPACE: THE HIGH FRONTIER 2ND EDITION:

This is a course about space and the human exploration of space. The course begins with the study of the space environment from the earliest days of astronomy and the early ideas of the heavens, through the Renaissance, and on into modern astronomy. The course will cover in-depth study of the solar system, human travel into the upper atmosphere and manned/unmanned space travel. It will focus on in-depth concepts of launch vehicles and space technology.

2026-2027 AEROSPACE SCIENCE 220

CULTURAL STUDIES: AN INTRODUCTION TO GLOBAL AWARENESS:

This course introduces students to the world's culture through a study of world affairs, regional studies, and cultural awareness. The course delves into history, geography religions, languages, culture, political systems, economics, social issues, environmental concerns and human rights. Also, it looks at major events and significant figures that have shaped each region.

2027-2028 AEROSPACE SCIENCE 100

MILESTONES IN AVIATION HISTORY 2ND EDITION:

AS-100 is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies.

LEADERSHIP EDUCATION COURSE OF STUDY

2024-2025 LEADERSHIP EDUCATION 200

COMMUNICATION, AWARENESS AND LEADERSHIP:

The leadership portion of this course stresses communication skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written

reports and speeches complement the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

2025-2026 LEADERSHIP EDUCATION 300

LIFE SKILLS AND CAREER OPPORTUNITIES:

The leadership portion of this course provides an essential component of leadership education for today's high school students. This course is designed to prepare students for life after high school in the high-tech, globally oriented and diverse workplace of the 21st century.

2026-2027 LEADERSHIP EDUCATION 400

FUNDAMENTALS OF MANAGEMENT:

The leadership portion of this course provides students with fundamental management concepts including: What is management, skills development in project management, experience in planning and decision making, organizing, and leading groups. The course finishes with understanding work teams and interpersonal communication skills.

2027-2028 LEADERSHIP EDUCATION 100

CITIZENSHIP, CHARACTER, & AIR FORCE TRADITION:

The leadership portion of this course introduces cadets of the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.



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.

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 the class will study many areas of the horticulture industry ranging from indoor green plants to outdoor plants used in the landscape. Students will study plant physiology and plant growth processes by completing a variety of hands-on lab

activities on trees, houseplants, and common outdoor plants. Students will also design and draw landscape plans for a site and have the

opportunity to perform some of the installation work to learn the principles of landscaping around the site. plant growth processes by completing a variety of hands-on lab activities on trees, houseplants, and common outdoor plants. Students will also design and draw landscape plans for a site and have the opportunity to perform some of the installation work to learn the principles of landscaping around the site.

LARGE ANIMAL SCIENCE 9-12

SEMESTER COURSE #1517

ART

ART STUDIO 11-12

SEMESTER COURSE #1561

Requires Instructor Approval:**[CLICK TO FILL OUT FORM](#)****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.

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.



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****Supplies:** *Digital camera or phone camera*

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 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.

ADVANCED TECH FOR YEARBOOK 9-12

SEMESTER 1 #1631

SEMESTER 2 #2631

Prerequisite: Instructor Approval

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

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

CLICK TO FILL OUT FORM

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.

CIVIL LAW 10-12

SEMESTER COURSE #1620

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.

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.

SPORTS ENTERTAINMENT TRAVEL & MARKETING 9-12**SEMESTER COURSE # 1608**

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.

SMALL BUSINESS OWNERSHIP 9-12**SEMESTER COURSE #1611**

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.

ADVERTISING & PROMOTION 9-12**2025-2026 COURSE**

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

BUSINESS COMPUTER APPLICATIONS 9-12**2025-2026 COURSE**

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.

MARKETING 10 - 12**2025-2026 COURSE**

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.

COMMUNICATION TECHNOLOGY**COMPUTER SCIENCE A 10-12****SEMESTER COURSE #1715**

Prerequisite: *Intermediate Algebra*

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 for Advanced Marketing DECA

COMPUTER SCIENCE PRINCIPLES 10-12
SEMESTER COURSE #1716

Prerequisite: Intermediate Algebra

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.

INTRODUCTION TO ENGINEERING DESIGN 9-12
SEMESTER COURSE #1704

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
Requires Instructor Approval:
[CLICK TO FILL OUT FORM](#)

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

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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:

[CLICK TO FILL OUT FORM](#)

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:**[CLICK TO FILL OUT FORM](#)**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.

MANUFACTURING**HOW TO MAKE ALMOST ANYTHING** 10-12**SEMESTER COURSE #1723****Prerequisite:** 2.6 GPA**College Level:** 3 College Credits (Century CC)

This course is an introduction to “personal digital fabrication” using the newly renovated Viking Fab Lab. It is designed to help students tap into their inner “garage inventor.” Students will use laser

cutters, 3-D printers, vinyl cutters, CNC routers and desktop milling machines to fabricate and test their design projects. Students also have opportunities to explore post secondary

opportunities, with continued exposure to Manufacturing and Construction trades.

BEGINNING MACHINING 9-12

SEMESTER COURSE #1719

Course Fee

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*

Course Fee

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 #15010

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.

JAZZ BAND 9-12

SEMESTER 1 #1748

SEMESTER 2 #2748

Prerequisite: *In varsity or symphonic band or prior approval with instructor*

Jazz Band is a year-long, performance class for students interested in the study and performance of jazz and jazz-related music. Special skills such as jazz rhythms, jazz harmonies and special articulations are covered, with an emphasis on application for performance. Several performance opportunities during the school year are provided. Students are expected to commit to perform for outside festival events listed on the current school year's performance calendar, i.e. full participation in performances is required. Instrumentation is limited to saxophone, trumpet, trombone, guitar, electric bass, guitar, piano and drum set.

SYMPHONIC BAND 10-12

SEMESTER 1 #1750

SEMESTER 2 #2750

Prerequisite: *Music Department Evaluation*

Percussion Use Fee: \$30

School Instrument Use Fee: \$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 9-10

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.

SYMPHONIC BAND & CONCERT CHOIR

SEMESTER 1 #1752

SEMESTER 2 #2752

Prerequisite: *Audition and Instructor*

Approval/Yearlong: *Must register for both semesters*

Symphonic Band/Concert Choir combines advanced instrumental and vocal music education, providing students with a comprehensive understanding of music performance at an advanced level. Students will further develop their instrumental and vocal skills, music reading abilities and performance techniques through a diverse repertoire. The course will focus on advanced ensemble skills, musical interpretation, and individualized coaching. Emphasis will be placed on artistic expression, teamwork and the integration of instrumental and vocal music. Students will participate in both band/choir performances, public concerts and collaborative projects. Students will split the block class going between band/choir class.

VARSITY BAND/CHOIR 9-12

SEMESTER 1 #1764

SEMESTER 2 #2764

This 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

performances and collaborative projects. The class fosters teamwork, creativity and artistic expression.

CONCERT CHOIR 10-12

SEMESTER 1 #1757

SEMESTER 2 #2757

Prerequisite: Audition or instructor approval

Yearlong: Must register for both semesters

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.

HARMONAIRES 9-12

SEMESTER 1 #1768

SEMESTER 2 #2768

Prerequisite: Audition or Instructor approval

Yearlong: Must register for both semesters

Harmonaires combines singing, dancing, and performance in a dynamic musical theater setting. Students develop vocal and dance skills while learning a diverse repertoire of popular and Broadway music. The course emphasizes stage presence, choreography and vocal performance techniques. Students have the opportunity to participate in show choir competitions, public

| *Students can earn PE credit for Harmonaires*

VALKYRIE CHOIR 9-12

SEMESTER 1 #1755

SEMESTER 2 #2755

Yearlong: Must register for both semesters

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.

VIKING CHOIR 9-12

SEMESTER 1 #1753

SEMESTER 2 #2753

Yearlong: Must register for both semesters

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.



COLLEGE HISTORY OF ROCK & ROLL 10-12

SEMESTER COURSE #1754

Prerequisite: 2.6 GPA

College Level: 3 College Credits (ARCC)

Rock and Roll History is a study of popular American music, its musical elements, cultural perspectives and historical developments. An emphasis is placed on the impact African-American men and women had on its development. Attendance at a live performance 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: 9th/10th 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 & MIEVEAL 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.

| *Registration priority for seniors.*

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**SEMESTER COURSE #1452**

OFFERED 2024-2025

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

OFFERED 2025-2026

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.

WORLD LANGUAGE

FRENCH I 9-12

SEMESTER 1 #1783

SEMESTER 2 #2783

Yearlong: *Must register for both semester*

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.

FRENCH II 10-12

SEMESTER 1 #1786

SEMESTER 2 #2786

Prerequisite: *French I*

Yearlong: *Must register for both semesters*

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.

FRENCH III 11-12

SEMESTER 1 #1789

SEMESTER 2 #2789

Prerequisite: *French II*

Yearlong: *Must register for both semesters*

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.

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.

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.

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.

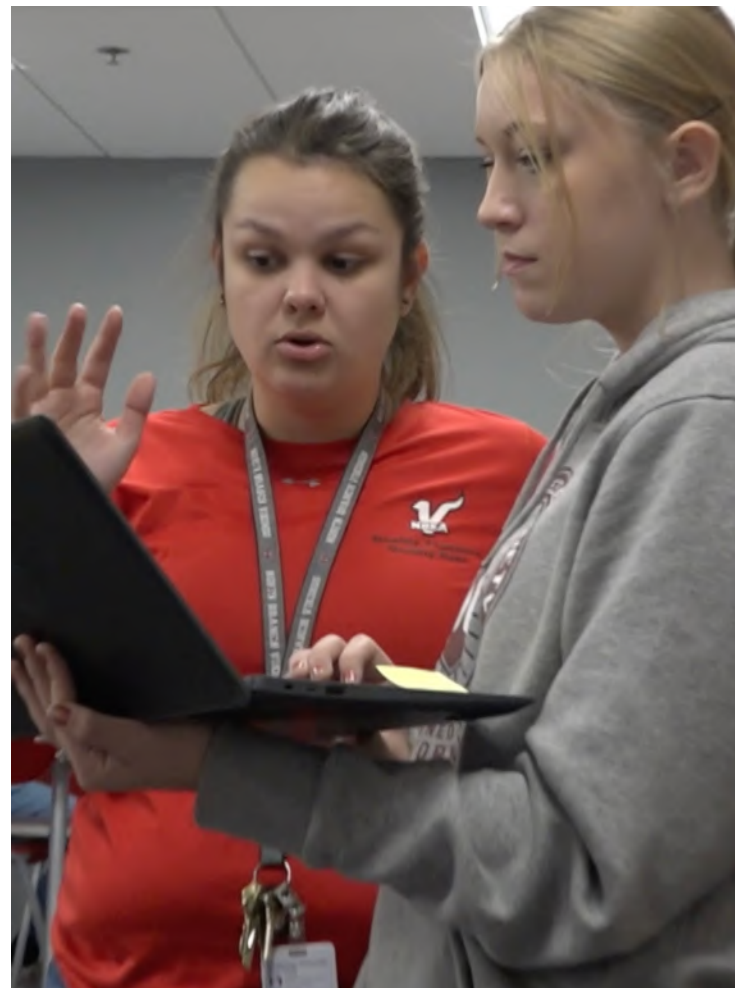
SPANISH III 11-12**SEMESTER 1 #1800****SEMESTER 2 #2800****Prerequisite:** *Spanish II***Yearlong:** *Must register for both semesters*

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.

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.



OPTIONS FOR JUNIORS & SENIORS



**YOUTH
FRONTIERS.**
BUILDING COMMUNITY, INSPIRING CHARACTER

VIKING BRIDGE INTERNSHIP



The Viking Bridge Internship offers students a chance to delve into the professional realm, allowing them to gain valuable industry experience during their high school years. The internship aims to empower students to explore their post-secondary interests while still in high school, facilitating the development of goals, acquisition of skills and the accumulation of practical experience. Academic credit is earned through active participation in work experiences, community service, or volunteer opportunities.

North Branch Area High School is dedicated to fostering collaborations with community partners, resulting in an increased array of opportunities for students to actively engage in both industry and community initiatives.

Requirements:

- Completion of the Work Seminar course (prior to or concurrent with internship).
- Reliable transportation.
- On track to graduate.
- Approval is required from the Career Navigator.

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.

Requires Instructor Approval:
[CLICK TO FILL OUT FORM](#)

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 12TH 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 2023-2024

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 2024-2025

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 Phy Ed, 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**



DISTANCE LEARNING ACADEMY

NBAPS Distance Learning Academy (DLA) provides many great learning options for students seeking flexibility. Students can take some courses through the DLA, or attend full time! The DLA also provides in-person and online support, providing each student with flexibility and choice. If you are interested in attending the North Branch Area Distance Learning Academy, please complete the linked form below.

If you are interested in learning more about the program please contact:

Coleman McDonough
651-674-1051 or email
distancelearning@isd138.org or visit
the website
at: 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	D1101A	D1101B
English 10	D1201A	D1201B
English 11	D1301A	D1301B
English 12	D1401A	D1401B

MATH

	SEM 1	SEM 2
Intermediate Algebra	D2101A	D2101B
Algebra II	D2103A	D2103B
Geometry	D2201A	D2201B
Probability and Stats	D2010	

SCIENCE

	SEM 1	SEM 2
Physical Science	D3101A	D3101B
Biology	D3201	D3202
Chemistry	D3301	D3302
Physics	D3401	D3402

SOCIAL STUDIES

	SEM 1	SEM 2
World History	D4516A	D4516B
US History	D4903A	D4903B
Economics	D4700	D4700
Geography	D4211	D4211
American Government & Citizenship	D4650	D4650

REQUIRED ELECTIVES

ART (1 ART REQUIRED)

	SEM 1	SEM 2
Art History and Appreciation		D7012A
Introduction to Visual Arts (Art Skills)	D7115	

OTHER COURSES

DLA Seminar	D1889	D1889
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PHYSICAL EDUCATION (1 PE AND HEALTH REQUIRED)

Intro to Individual Sports I	D5005	
Health	D5605	D5605

OTHER ELECTIVES

ENGLISH ELECTIVES

	SEM 1	SEM 2
Creative Writing	D1301	
Mythology and Folklore	D1506	
Gothic Literature: Monster Stories		D1510
Intro to Journalism		D1594

SCIENCE ELECTIVES

	SEM 1	SEM 2
Anatomy	D3920	D3920
Intro to Forensics	D9525A	

SOCIAL STUDIES ELECTIVES

	SEM 1	SEM 2
African American Studies	D4600	
History of Holocaust		D4550
Intro to Military	D9010	D9010
Personal Finance		D9005A
Psychology	D4401	
Sociology		D4530
Women's Studies	D4540	

FACS ELECTIVES

	SEM 1	SEM 2
Cosmetology: Cutting Edge Styles	D9212	
Cosmetology 2: The Business of Skin and Nails		D9213
Intro to Culinary Arts A	D95022A	D95022A

BUSINESS ELECTIVES

	SEM 1	SEM 2
Sports and Entertainment Marketing		D95034
Career Explorations	D95012	
Workplace Internship Readiness		D95013
Work Based Learning	D1614	D1614

[CLICK HERE](#)
to look at the DLA course
description guide



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.

▲ North Branch Area High School

☎ 651-674-1500

📍 38105 Grand Ave, North Branch

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STACY REDDING

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