



2023-2024

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 CTE courses that

allow you to learn specific career skills. Finally, we have an expanding Work Based Learning Program called Viking Bridge where you can earn high school credits, get paid, AND get real life experience while interning with one of our dozens of local industry partners.

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

SKOL!

Clint Link
Principal NBAHS

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EARNING 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 IN THE SCHOOLS

Students earn college credit and still benefit from the comprehensive high school experience. Courses offered at the high school, in conjunction with local colleges (U of MN, Anoka Ramsey Community College, Pine Technical College, and Century College). These are rigorous, college level courses taught in the high school. 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 in both the college and the high school. This means that the student is enrolled in both high school and college credit courses while completing the course on site at the high school site.

Another opportunity for students to earn college credit is 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.

Some of our students take a combination of NBAHS courses with a PSEO option. Students earn both college and high school credits at the same time. Students must meet entry criteria to take these courses. PSEO options require more self direction and are taken independently from the high school. If interested, contact your counselor as soon as possible. Students planning to attend full-time PSEO will not register for NBAHS courses.

North Branch Area High School
**Path to College
 and Career Success**

There have been several large transitions and milestones during your educational career. The obvious milestones are the transitions from elementary school to middle school and from middle school to high school. Now you are on your last milestone, the transition from high school to college and careers. Here are some things to think about as you are planning out your high school pathway. It is critical that you invests 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

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
- Mathematical Thinking
- Work Based Learning
- Co-curricular & Extra Curricular Activities

MILITARY

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

LIFE & CAREER

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

Career Check List

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

THE BIC

WHERE THE DIVISIONS BETWEEN HIGH SCHOOL AND 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

HOW DID POST-SECONDARY BECOME UNRECOGNIZABLE

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

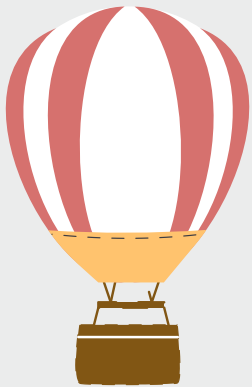




TOOLS FOR LIFE

PREPARING LEARNERS

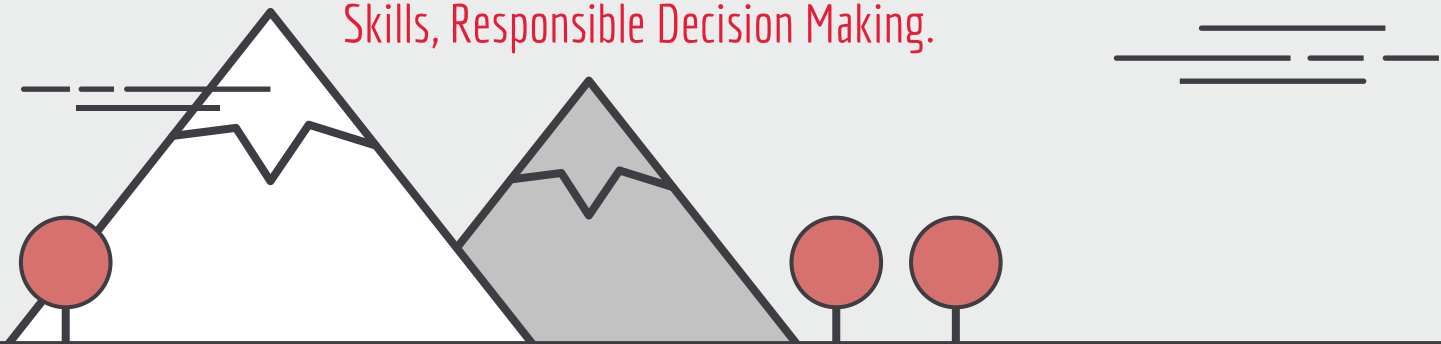
Students who are **LIFE READY** possess a growth mindset and approach their future with confidence.



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.

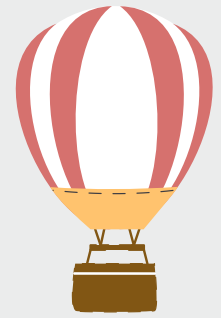
This is why staff are intentional about the Social Emotional Learning (SEL) experience at North Branch Area High School, and prioritize building up students' essential life skills in five areas:

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



LIFE READINESS

TOOLS FOR SUCCESS



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

Just a few examples of this character-building work include:

The Viking Way:

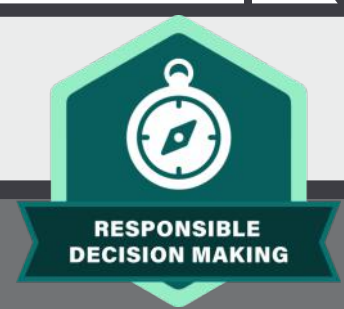
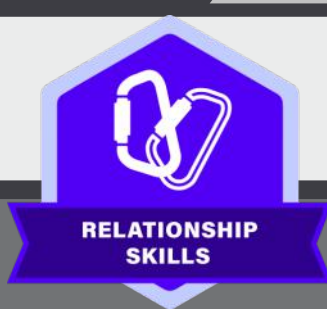
All high school students are expected to show Safe, Respectful, and Responsible behavior. Staff communicate clear, consistent behavior expectations in these areas for all areas of the school building.

The Building Assets, Reducing Risks (BARR) program:

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

Weekly Lessons:

Once a week, students engage in a rotation of community building activities and authentic conversations around highly relevant topics, such as: mental health awareness, setting and achieving goals, handling conflict and power dynamics in the workplace, solving problems and overcoming obstacles, etc.



CLASS OFFERINGS

CORE CLASSES

ENGLISH LANGUAGE ARTS SEM 1 SEM 2

English 9	1002	2002
English 10	1038	2038
English 11/12	10181	20181
Intro to Communications	1052	2052
College English	1050	2050

MATH SEM 1 SEM 2

Geometry	1123	2123
Algebra I	1106	2106
Algebra II	1126	2126
Mathematical Thinking	1171	2171

SCIENCE SEM 1 SEM 2

Physical Science	1300	2300
Biology	1310	2310
Chemistry	1320	2320
Physics	1322	2322
Human Anatomy and Physiology I & II	1326	2326
College Chemistry	1321	2321
Outdoor Adventures	1324	1324

SOCIAL STUDIES SEM 1 SEM 2

World History I & II	1433	2433
Geography	1425	1425
US History I & II	1413	1414
College US History I & II	1443	2443
Economics	1438	1438
Geography of Europe	1436	1436
Citizenship and Government	1451	1451

ELECTIVES

AFJROTC SEM 1 SEM 2

AS100: Milestones in Aviation	1500	2500
AS 400: Management of the Cadet Corps	1499	2499

AGRICULTURE SEM 1 SEM 2

Ag (Consumer) Mechanics	1737	1737
Ag and Food Processing	1738	1738
Fish and Wildlife Management	1514	1514
Floral Design	1513	1513
Horticulture and Landscaping	1735	1735

ART SEM 1 SEM 2

Digital Arts	1551	1551
Art Studio I & II	1561	2561
Advanced Technology for Yearbook Publication	1631	2631

Ceramics I	1553	1553
Ceramics II	1552	1552
Creative Design	1555	1555
Drawing	1565	1565
Painting I	1569	1569
Painting II	1570	1570

ENGLISH ELECTIVES SEM 1 SEM 2

Creative Writing	1053	2053
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HEALTH CAREERS SEM 1 SEM 2

Medical Terminology	1773	1773
Nursing Assistant Training	2230	2230

BUSINESS SEM 1 SEM 2

Foundations of Business	1604	1604
Personal Finance	1610	1610
Business in Action Retailing I	1609	2609
Business in Action Retailing II	1606	2606
Marketing	1601	1601
Advertising and Promotion	1602	1602
Computer Applications	1714	1714
Advanced Marketing/DECA	1603	1603

FACS SEM 1 SEM 2

FACS Exploration	1671	1671
Child Development	1677	1677
Beginning Foods and Nutrition	1666	1666
Specialty Foods	1669	1669
Creative Foods	1667	1667
Prostart I	1675	2675
Prostart II	1676	2676

MATH ELECTIVES SEM 1 SEM 2

Intro to Statistics and Probability	1108	1108
College Algebra/Trigonometry	1170	2170
College Calculus	1181	
College Statistics	1112	

MUSIC SEM 1 SEM 2

Music Exploration	1758	1758
Beginning Piano I	1759	1759
Beginning Piano II	1762	1762
Beginning Guitar	1761	1761
Advanced Guitar	1765	1765
Varsity Band	1749	2749
Symphonic Band	1750	2750
Concert Band and Treble Choir	1763	2763

CLASS OFFERINGS

Varsity Band/Choir	1764	2764
Symphonic Band and Concert Choir	1752	2752
Jazz Band	1748	2748
Viking Chorus	1753	2753
Valkyrie Chorus	1755	2755
Concert Choir	1757	2757
College Concert Choir	1766	2766
Harmonaires	1768	2768
College History of Rock and Roll	1754	1754

PHYSICAL EDUCATION & HEALTH

	SEM 1	SEM 2
Foundations of Sports Fitness	1207	1207
Yoga Wellness	1205	1205
Girls in Motion	1206	1206
Individual and Dual Sports	1221	1221
Health	1204	1204
Team Sports	1222	1222
Strength and Conditioning I	1220	1220
Strength and Conditioning II	1226	1226
Dance Mania	1225	1225

SOCIAL STUDIES ELECTIVES

	SEM 1	SEM 2
Sociology	1440	1440
College Psychology	1455	1455

TRADE AND INDUSTRY

	SEM 1	SEM 2
Basic Machining	1719	1719
Precision Machining	1720	1720
Beginning Welding	1509	1509
Advanced Welding	1510	1510
Careers in Manufacturing and Safety Awareness	1721	1721
How to Make Almost Anything	1723	1723
Auto I - Introduction to Auto	1724	1724
Auto II - Brakes	1725	1725
Auto III - Vehicle Service	1727	1727
Viking IT I	1893A	1893A
Viking IT II	1893B	1893B
Viking IT III	1893C	1893C
Viking IT IV	1893D	1893D

VIKING BRIDGE

	SEM 1	SEM 2
Work Based Learning: Family and Consumer Science	1686	2686
Work Based Learning: Trade and Industry	1687	2687
Supervised Agricultural Experience	1688	2688
Teaching Assistant	1887	2887
Middle School Mentor	1896MS	2896MS

WORLD LANGUAGE

	SEM 1	SEM 2
French I	1783	2783
French II	1786	2786
French III	1789	2789
College French	1792	2792
Spanish I	1795	2795
Spanish II	1798	2798
Spanish III	1800	2800
College Spanish	1806	2806

OTHER COURSES

	SEM 1	SEM 2
Freshman Seminar	1889	2889



Class of 2024 Graduation Requirements

ENGLISH - LANGUAGE ARTS

8.0
TOTAL CREDITS

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

MATHEMATICS

7.0
TOTAL CREDITS

Geometry	3
Intermediate Algebra	3
Algebra 2	1

SCIENCE

7.0
TOTAL CREDITS

Physical Science	3
Biology	3
Chemistry/Physics	1

SOCIAL STUDIES

8
TOTAL CREDITS

Civics	3
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

16.5
TOTAL CREDITS

Electives	16.5
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Total Credits Required for Graduation

48.5

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

Civics	.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 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

Civics	.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 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

Civics	.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

REQUIRED COURSES



9th GRADE REQUIRED COURSES

ENGLISH LANGUAGE ARTS 9

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. Emphasis will be placed on the selected power standards for the course.

Reading Literature

We will analyze point of view or cultural experience, determine a theme or central idea of a text and analyze its development over the course of the text. We will analyze how an author's choices concerning how to structure a text, order events within it (e.g., parallel plots), and manipulate time (e.g., pacing, flashbacks) create such effects as mystery, tension, or surprise.

Writing

We will gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively, assess the usefulness of each source in answering the research question, integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism. We will follow a standard format for citation, and use a writing process to develop and strengthen writing as needed by planning, drafting, revising, editing, rewriting, and focusing on addressing what is most significant for a specific purpose and audience. We will also work on editing for conventions.

GEOMETRY

SEMESTER 1 #1123

SEMESTER 2 #2123

Students will cover a traditional geometry course that includes topics in lines, angles, triangles and other polygons, circles, as well as three dimensional figures. Students will investigate how math is involved with everyday activities by

measuring, reasoning, and applying the concepts learned in order to make connections between mathematics and the world around us.

PHYSICAL SCIENCE

SEMESTER 1 #1300

SEMESTER 2 #2300

This yearlong 9th grade science course involves the study of matter and how it changes. In this course, students will learn about the scientific process, chemistry (including measurements in science, properties of matter, atomic structure, and chemical bonds) physics (including motion, forces, energy and electricity), and earth and space science.

WORLD HISTORY I

SEMESTER 1 #1433

Prehistory through the Modern Age.

This course will trace the development of humankind from the earliest humans and civilizations to the modern age. Topics will include the rise and decline of ancient and classical empires, religious philosophies, the Middle Ages and the Renaissance.

WORLD HISTORY II

SEMESTER 2 #2433

The Modern Age through the Global Age

From Enlightenment to the New Global Era- this course will continue the study of major events of human history starting with the emergence of modern Europe and the Enlightenment, ending with the Cold War and its impact on the modern world. Topics covered include the Age of Exploration and colonization, the beginnings of a more connected world, the World Wars and the Cold War.

PICK PE OR HEALTH

HEALTH

SEMESTER COURSE #1204

This is a required class for all students to meet their graduation requirement. The curriculum for Health covers; the importance of an individual's overall health and wellness which includes the components of social, mental/intellectual, emotional and physical health. The health wellness units include: communicable/non-communicable diseases, safety, the cardiovascular system, CPR, first aid, nutrition, alcohol, drugs and tobacco, human sexuality, STDs, mental/emotional health, and career education.

SEE PAGE 42 FOR PE OPTIONS

FRESHMAN SEMINAR

Freshman Seminar is designed to support a successful transition to high school, navigate the optimum high school experience and plan for a future beyond high school. The course will integrate study skills, relationship building and personal assessment skills to assist in planning for now and in the future. Freshman Seminar will also focus on skills needed to be successful in the workplace. The completion of this course will open the door for students to take part in Viking Bridge Internship and other Work Based Learning opportunities.



10th GRADE REQUIRED COURSES

ENGLISH LANGUAGE ARTS 10

SEMESTER 1 #1038

SEMESTER 2 #2038

Speaking, reading, writing, listening, viewing and researching skills are developed and strengthened through vocabulary-building exercises, media center resource use, reading of dramas, fiction and nonfiction pieces, presentation and writing of journalistic essays and personal writing. Emphasis will be placed on the course selected power standards. Data will be analyzed to determine intervention strategies that will help the student be successful in high school and beyond.

Reading Literature

We will concentrate on determining central ideas or themes of a text, analyzing their development and summarizing key supporting details and ideas. We will analyze how complex characters develop over the course of a text, interact with other characters, and advance the plot or develop the theme. We will also analyze how an author's choices concerning how to structure a text, order events within it (e.g., parallel plots), and manipulate time (e.g., pacing, flashbacks) create such effects as mystery, tension, or surprise.

PICK 1 MATH

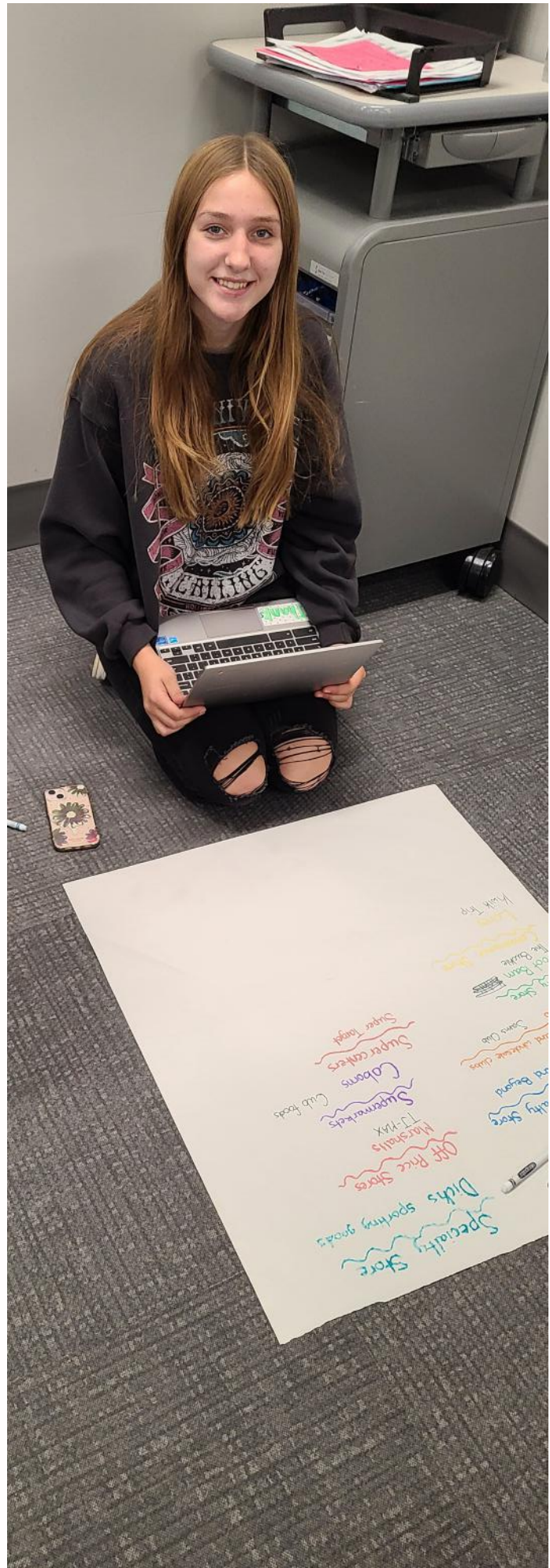
ALGEBRA I

SEMESTER 1 #1106

SEMESTER 2 #2106

Prerequisite: Geometry

This course will cover Algebra topics including problem solving, quadratic and exponential functions, polynomial operations, exponent properties, and radical functions.



ALGEBRA II**SEMESTER 1 #1126****SEMESTER 2 #2126**

This course will cover Algebra II topics including complex numbers, polynomials, radicals, exponential, logarithmic and rational functions, sequences and series, and trigonometric ratios and functions.

GEOGRAPHY**SEMESTER COURSE #1425****Can be taken semester 1 or 2**

Geography is the study of places and the relationships between people and their environments. This course will explore both physical geography and human geography; the physical properties of Earth's surface, human societies, and how people interact with the world around them.

BIOLOGY**SEMESTER 1 #1310****SEMESTER 2 #2310**

This yearlong 10th grade course begins with a grounding in scientific methodology, a unit on ecology (the biosphere, ecosystems, populations, and our impact as humans on the environment), and an in-depth study of cells, their structure and function, and their role as the basic unit of life. Students will explore basic Mendelian genetics, DNA, RNA, protein synthesis, and ways in which scientists are currently utilizing genetic information. The course will end with explorations in the areas of classification, viruses, bacteria, immunology, and human body systems. Many topics will involve hands-on laboratory experiences, virtual labs, and outdoor explorations.

PICK PE or HEALTH**HEALTH****SEMESTER COURSE #1204**

This is a required class for all students to meet their graduation requirement. The curriculum for Health covers; the importance of an individual's overall health and wellness which includes the components of social, mental/intellectual, emotional and physical health. The health wellness units include ; communicable/non-communicable diseases, safety, cardiovascular system, CPR, first aid, nutrition, alcohol, drugs and tobacco, human sexuality, STDs, mental/emotional health, career education.

SEE PAGE 42 FOR PE OPTIONS

11th GRADE REQUIRED COURSES

PICK 1 ENGLISH

ENGLISH LANGUAGE ARTS 11/12

SEMESTER 1 #10181

SEMESTER 2 #20181

Speaking, reading, writing, listening, viewing and researching skills are developed and strengthened through vocabulary-building exercises, media center resource use, reading of dramas, fiction and nonfiction pieces, presentations, writing of journalistic essays and personal writing. Emphasis will be placed on the course selected power standards. Data will be analyzed to determine intervention strategies that will help students be successful in high school and beyond.

INTRODUCTION TO COMMUNICATION

SEMESTER 1 #1052

SEMESTER 2 #2052

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 course may be offered asynchronously through ARCC.*

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

YEAR 3 MATH- PICK 1

ALGEBRA II

SEMESTER 1 #1126

SEMESTER 2 #2126

Prerequisite: Algebra I, Geometry

This course will cover Algebra II topics including complex numbers, polynomial, radical, exponential and logarithmic and rational functions, sequences and series, and trigonometric ratios and functions.

MATHEMATICAL THINKING

SEMESTER 1 #1126

SEMESTER 2 #2126

Prerequisite: Algebra II/3.0 GPA

College Level: 3 College Credits

This course emphasizes inductive and deductive reasoning, mathematical logic, number systems, elementary statistics and geometry. These topics will also be presented along with their historic background and modern practical life applications. Students that want to pursue a technical job often get a two year degree. This math course fulfills the math requirement in most programs and allows students to complete the college math requirement while in high school. By taking this class, students can save time and money!

INTRO TO STATISTICS AND PROBABILITY

SEMESTER COURSE #1108

Prerequisite: Algebra II

This is a one semester course that introduces students to the concepts and tools for collecting, analyzing, and drawing conclusions from 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

Students meet daily and use the same text and syllabus as Anoka-Ramsey Community College. This is not an “elementary algebra” course. Students are expected to be strong algebra thinkers and in the top 1/3 of Junior Class or the top 1/2 of your Senior Class.

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**

Chemistry is the study of matter, its properties and its changes. It is a challenging class that will introduce the student to the fundamental theories and applications of chemistry. The class will involve both lecture and hands on laboratories. Topics include measurement, atomic theory, nomenclature, reactions, chemical calculations, solutions, gases, thermochemistry, acids/bases and more. Problem solving and good study skills

will also be stressed. This class is strongly recommended for students planning to attend college in the future, regardless of your planned field of study.

PHYSICS**SEMESTER 1 #1322****SEMESTER 2 #2322****Prerequisite:** Biology

Physics is the study of motion, forces, energy, sound, light, electricity and magnetism. All of these topics will be explored in this course in a way that balances problem solving, lab work and student led projects.



COLLEGE CHEMISTRY



SEMESTER 1 #1321

SEMESTER 2 #2321

Prerequisite: 2.6 GPA

College Level: 4 College Credits

Yearlong: Must register for both semesters

This is an introductory college 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.

SOCIAL STUDIES

(Must Take Between 11th and 12th grade)

US History I

SEMESTER 1 #1413

SEMESTER 2 #1414

US HISTORY I

This course will review chronologically the major events of our American History, starting with Native Cultures and the Colonization of America and ending with Reconstruction. The concepts covered will focus on how wars, technology, and individuals have shaped our society and had lasting impacts on our people.

US HISTORY II

This course will review chronologically the major events of our American History, starting with Industrialization and ending with the Cold War and Post-Cold War era. The concepts covered will focus on how America grew to become a world power through global events, as well as how American society changed through actions within our borders.

OR

COLLEGE US HISTORY I&II



SEMESTER 1 #1443

SEMESTER 2 #2443

Prerequisite: 2.6 GPA

College Level: 8 ARCC College Credits

ECONOMICS

SEMESTER COURSE #1438

This course is a study of the basic principles of economics. Students will examine micro and macro economic concepts; how prices are set up, how businesses are organized, how economic strength is measured, and what fiscal and monetary policies are. International economics will also be examined.

GEOGRAPHY OF EUROPE

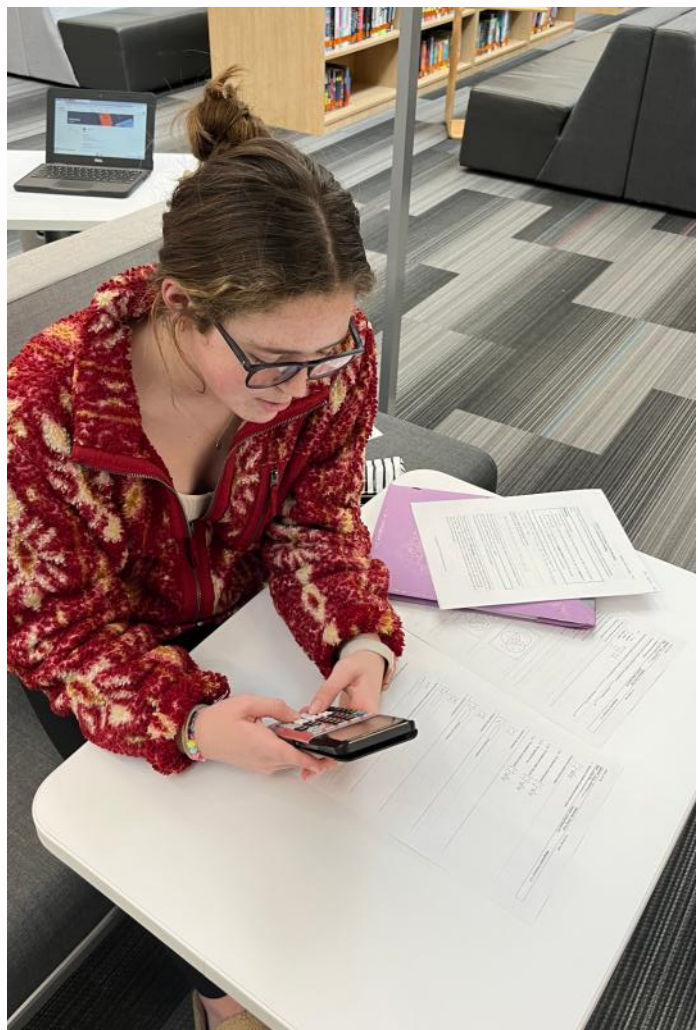
SEMESTER COURSE #1436

This course will include an application of geographical themes and concepts to Europe—both Western Europe, Eastern Europe, and Western Eurasia. The course will include the historical context of how the countries of Europe developed into Nations with their own identities, including the development of Russia and the countries of the former Soviet Union. The study will include the role geography plays in development and lifestyles of the people of Europe.

CITIZENSHIP AND GOVERNMENT

SEMESTER COURSE #1451

Citizenship and Government is a required course for graduation in 2025. This course is a broad study of the concepts related to United States citizenship. Students will study the foundations of our government, including the founding documents, participation in our democracy, and the duties and privileges of citizenship. The course will also include an in-depth study of the three branches of government and the powers they share, as well as the split duties of the State and Federal governments.



12th GRADE REQUIRED COURSES

4th YEAR ENGLISH-PICK 1

ENGLISH LANGUAGE ARTS 11/12

SEMESTER 1 #10181

SEMESTER 2 #20181

Speaking, reading, writing, listening, viewing and researching skills are developed and strengthened through vocabulary-building exercises, media center resource use, reading of dramas, fiction and nonfiction pieces, presentations, writing of journalistic essays and personal writing. Emphasis will be placed on the course selected power standards. Data will be analyzed to determine intervention strategies that will help the student be successful in high school and beyond.

COLLEGE ENGLISH



SEMESTER 1 #1050

SEMESTER 2 #2050

Prerequisite: 2.6 GPA

College Level: 4 College Credits

This course runs concurrently with Anoka Ramsey English 1121 (College Writing and Critical Thinking) and provides a study of essential composition skills and basic rhetorical principles. It emphasizes writing clearly organized themes; three-part writing process of prewriting, drafting, and rewriting will be stressed. The course also deals with style, organization, appropriateness, and modes of expository writing, including research paper writing. This is a full-year course. (Students earn 4 college credits).

SOCIAL STUDIES

(Must Take All Between 11th and 12th grade)

US History I & II

SEMESTER 1 #1413

SEMESTER 2 #1414

US HISTORY I

This course will review chronologically the major events of our American History, starting with Native Cultures and the Colonization of America and ending with Reconstruction. The concepts

covered will focus on how wars, technology, and individuals have shaped our society and had lasting impacts on our people.

US HISTORY II

This course will review chronologically the major events of our American History, starting with Industrialization and ending with the Cold War and Post-Cold War era. The concepts covered will focus on how America grew to become a world power through global events, as well as how American society changed through actions within our borders.

OR

COLLEGE US HISTORY I&II

SEMESTER 1 #1443

SEMESTER 2 #2443

Prerequisite: 2.6 GPA

College Level: 8 ARCC College Credits

ECONOMICS

SEMESTER COURSE #1438

This course is a study of the basic principles of economics. Students will examine micro and macro economic concepts; how prices are set up, how businesses are organized, how economic strength is measured, and what fiscal and monetary policies are. International economics will also be examined.

GEOGRAPHY OF EUROPE

SEMESTER COURSE #1436

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CITIZENSHIP AND GOVERNMENT

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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
- Horticulture and Landscaping
- Supervised Agriculture Experience (Work Based Learning)

Family and Consumer Science

- Beginning Foods
- Creative Foods
- Specialty Foods
- Pro Start I/II
- FACS Exploration
- Child Development

Business and Marketing

- Foundations of Business
- Personal Finance
- Business in Action Retailing I/ II
- Marketing
- Advertising and Promotion
- 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

Trade and Industry - Communication Technology

- Viking IT I, II, III, IV

Trade and Industry - Manufacturing

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

Trade and Industry - Transportation

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

EXPLORE SOMETHING NEW...

AIR FORCE JUNIOR ROTC

AS 100: MILESTONES IN AVIATION GRADES 9-12

History 2nd Edition
SEMESTER 1 #1500
SEMESTER 2 #2500

This course is taught by our Air Force Junior ROTC instructors who are highly respected leaders in our community. There is no military commitment for students who enroll in Air Force Junior ROTC. Students will earn an Elective Social Studies Credit

Milestones in Aviation History consists of two components: Aerospace Science and Leadership Education. Course content is 60% Aerospace Science, and 40% Leadership Education.

Aerospace Science Component 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.

LE 100: LEADERSHIP EDUCATION GRADES 9-12

LE-100 is the portion of the AFJROTC curriculum that develops leadership skills with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, management, followership, citizenship, customs and courtesies, drill and ceremonies and cadet corps activities. This component will provide the student with fundamental management skills development in project management, experiences in planning and decision-making, organizing, and leading groups. This component finishes with understanding work teams and interpersonal communications skills.

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

AEROSPACE SCIENCE 400 GRADES 11-12

Management of the Cadet Corps
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 an overview and opportunities available over the next four years allowing students to plan their schedules accordingly.

AEROSPACE SCIENCE COURSE OF STUDY

2023-2024 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.

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.

LEADERSHIP EDUCATION COURSE OF STUDY

2023-2024 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.

2024-2025 Leadership Education 200

Communication, Awareness and Leadership:

The leadership portion of this course stresses communications skills and cadets 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.



AGRICULTURE

FLORAL DESIGN GRADES 9-12



SEMESTER COURSE #1513

Floriculture is the branch of horticulture which deals with flowers and plants we grow and market for ornamental purposes. Simply put, anything you find in a floral shop or greenhouse fits under the umbrella of floriculture. The global floriculture industry has a huge impact on the agriculture sector, as well as the daily lives of Americans. Floriculture revolves around growing plants for ornamental use, as well as designing floral art to be enjoyed. In this course, 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.

HORTICULTURE AND LANDSCAPING GRADES 9-12

SEMESTER COURSE #1753

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 learn plant growth processes by completing a variety of hands-on lab activities on trees, houseplants, and common outdoor plants. Students will learn identification of common trees, shrubs, and flowering plants that can be used in the outdoor landscape. Students will also design and draw landscape plans for a new home and have the opportunity to perform some of the installation work to learn the principles of landscaping around the home. Students will work with seeding and care of the home lawn including using pesticides on lawns, applying fertilizer, and maintenance of lawn mowing equipment. Throughout the class, students will have the opportunity to explore many of the career possibilities available in many of the horticulture fields.

FISH AND WILDLIFE MANAGEMENT GRADES 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.

AG AND CONSUMER SCIENCE GRADES 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 AND FOOD PROCESSING GRADES 9-12

SEMESTER COURSE #1738

Have you ever wondered where your food and fiber comes from? Or how it went from field to fork? Have you wanted to learn how to get it there yourself? Then Ag and Food Processing is for you! 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.



ART

DIGITAL ARTS GRADES 9-12 **SEMESTER COURSE #1551****Supplies:** Digital camera or phone camera

This class will utilize student's chromebooks as well as their own digital camera or phone camera. In Digital Arts, students will learn the basics of photography and digital artwork. For the first half of the semester, students will focus on the fundamentals of photography and editing. As they move through the course, students will learn the fundamentals of graphic design and gain digital literacy by creating and evaluating digital artwork.

ART STUDIO GRADES 11-12 **SEMESTER COURSE #1561****Prerequisite:** Teacher Approval**Supplies:** Set of paint brushes**Prerequisite:** Instructor Approval

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.*

ADVANCED TECH FOR YEARBOOK GRADES 9-12 **SEMESTER 1 #1631****SEMESTER 2 #2631****Prerequisite:** Instructor Approval**Yearlong:** Must register for both semesters

In this course, students learn and practice research and writing skills, photography and layout skills, and learn to skillfully use the computer programs needed to produce and publish a book. Students will create the high school yearbook. During the spring semester the course will produce the spring supplement to the yearbook. Application form and teacher recommendation must be filed with and approved by the instructor.

CERAMICS I GRADES 9-12 **SEMESTER COURSE #1553****Prerequisite:** Previous Art Course**Course Fee:** \$10

The students will learn the skills and techniques of ceramic construction using coil, slab, and wheel method in building required assignments. Well-designed and functional pieces will be expected. The students will learn the basics of bisque firing and glaze firing.

CERAMICS II GRADES 9-12 **SEMESTER COURSE #1552****Prerequisite:** Ceramics I**Course Fee:** \$10

The students will expand skills and techniques of ceramic construction choosing between coils, slab, or wheel method in building required assignments. Well-designed and functional pieces will be expected.

CREATIVE DESIGN GRADES 9-12 **SEMESTER COURSE #1555****Prerequisite:** Drawing**Supplies:** 8.5"x11" (or larger) sketchbook

This class is for the students who have ever wanted to design a world with true creative freedom! Students will explore how their daydreams, imagination, and creativity can turn their ideas into a fantasy world of their own. Students will create a place, characters, story, and more for their world using the skills they have learned in Drawing.

DRAWING GRADES 9-12 **SEMESTER COURSE #1565****Supplies:** 8.5"x11" (or larger) sketchbook

This course is for those students who love to draw. Throughout the trimester, students will be taught a mixture of skills and time to explore their own drawings.

PAINTING I GRADES 9-12



SEMESTER COURSE #1569

Supplies: Set of paint brushes

Students will learn the basic skills and techniques of working with acrylic paints. The student will complete a still-life painting, a landscape painting and their own choice painting.

PAINTING II GRADES 9-12



SEMESTER COURSE #1570

Prerequisite: Painting I

Supplies: Set of paint brushes

The students will choose a time period or style movement in painting and write a research paper. The students will create and paint an original painting using the same style they researched. In time they will be able to do paintings of their choice.



BUSINESS

FOUNDATIONS OF BUSINESS GRADES 9-10

SEMESTER COURSE #1604

Just over 20 percent of all bachelor's degrees awarded annually in the United States are in the area of business, making it the most popular field of study. In Foundations of Business, students will explore career opportunities that match their interests and skills; learn skills and techniques needed to gain employment and be successful in the work world. Students will become aware of local business' that are highly regarded in their industry. They will acquire computer documenting skills used in the workforce, be introduced to money management survival, and gain experience in basic business marketing techniques.

PERSONAL FINANCE GRADES 10-12

SEMESTER COURSE #1610

Through this Personal Finance course, students will learn about earning income, buying goods and services, saving, using credit, financial investing, as well as protecting and insuring themselves and their assets. Students will learn how their personal situations and preferences affect their financial decision making and will also begin to understand the trade-offs inherent in every choice they make. Most of the responsibility for managing financial matters rests with the individual. That responsibility is easier for adults to bear when they have learned the basics of personal finance in their youth.



BUSINESS IN ACTION RETAILING I GRADES 10-12**SEMESTER 1 #1609****SEMESTER 2 #2609****Prerequisite:** Application & Instructor Approval**Yearlong:** Must register for both semesters

Students will be involved in engaging business activities. The primary focus will be on school projects such as designing, pricing, selling school apparel; maintaining and operating the school store; and helping different organizations market their products. Business in Action students will also work with local businesses/schools by offering a variety of business services. Students will be highly involved with every aspect of retailing. This is a great experience opportunity for anyone with a desire to learn and be part of a “real” and exciting class.

BUSINESS IN ACTION RETAILING II GRADE 12**SEMESTER 1 #1606****SEMESTER 2 #2606****Prerequisite:** Business in Action I**Yearlong:** Must register for both semesters

Business in Action II is available for students who have completed Business in Action I. Students will help lead the class in all business activities. Experienced students many times become area leaders and experts in the school store, apparel, and internal operations. This class is only for seniors who have a desire to continue to be part of the BIA tradition.

MARKETING GRADES 9-12**SEMESTER COURSE #1601**

Marketing is considered to be the critical component to the success of a business; all organizations must locate and satisfy the consumers. In this course students will gain an understanding of the marketing mix including branding, promotion, pricing, packaging, distribution and the sales process. Students will enjoy developing a new product idea and seeing it come to life!

ADVERTISING AND PROMOTION GRADES 10-12**SEMESTER COURSE #1602**

People are exposed to over 1,500 advertisements each day. Take this class to find out what makes an effective advertisement that will grab people’s attention! In this class students will learn and apply fundamental concepts of advertising and promotions. Students will learn about and design advertising media, from magazine ads, billboards, commercials to digital media ads. Students will develop an integrated marketing campaign for a business. This class gives you the opportunity to compete in DECA!

COMPUTER APPLICATIONS GRADES 9-12**SEMESTER COURSE #1714**

Learn all about the Google Suite including Docs, Slides, Forms, Sheets and more! Basic and advanced computer skills benefits all students! These skills will help you stand out and excel in your core classes as well!

ADVANCED MARKETING/DECA GRADE 10-12**SEMESTER COURSE #1603****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!)

CIVIL LAW GRADE 10-12**2024-2025 SEMESTER COURSE**

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

SPORTS, ENTERTAINMENT TRAVEL & MARKETING GRADE 9-12**2024-2025 COURSE**

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

SMALL BUSINESS OWNERSHIP GRADE 10-12**2024-2025 COURSE**

Learn what it takes to own your own business. You will learn about business opportunities and how to set goals to realize those opportunities. You will also learn about the different types of business such as franchising and “S” Corps, how to develop a business plan, how to identify needs in the market, different methods of financing a business,



ENGLISH ELECTIVES

CREATIVE WRITING GRADES 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 AND CONSUMER SCIENCE

FACS EXPLORATION GRADES 9-10

SEMESTER COURSE #1671

Course Fee: \$20.00

Designed to introduce students to life management skills through exploration of topics such as: family studies, child development, interior and fashion design, foods and nutrition, and an introduction to careers and workplace skills.

BEGINNING FOODS AND NUTRITION GRADES 9-12

SEMESTER COURSE #1666

Course fee: \$20.00

Beginning Foods and Nutrition is designed to give the fundamental skills used in food preparation and planning. The course also includes an introduction to nutrition basics and diet analysis. Beginning Foods and Nutrition is a prerequisite course for other foods courses.

SPECIALTY FOODS GRADES 10-12

SEMESTER COURSE #1669

Prerequisite: Beginning Foods and Nutrition

Course fee: \$30.00

Students will learn how to make ordinary, everyday food, meals or occasions "special" by applying principles of planning, preparing and serving of food or a meal. Cultural culinary traditions for special occasions will be explored and demonstrated.

CREATIVE FOODS GRADES 10-12

SEMESTER COURSE #1667

Prerequisite: Beginning Foods & Nutrition

Course fee: \$30.00

Students will learn more in depth on all things foods! We will study a variety of food categories, work with new and unique ingredients, and prepare meals with these ingredients.

PROSTART I GRADES 10-12

SEMESTER 1 #1675

SEMESTER 2 #2675

Prerequisite: Beginning Foods and Nutrition

Course fee: \$75.00

Yearlong: Must register for both semesters
The Restaurant Industry is looking for its future Stars! If you love to cook or bake or if you see yourself as a leader, a career in the restaurant and foodservice industry may be for you. The ProStart program, developed and managed by the National Restaurant Association Educational Foundation (NRAEF), is a nationwide system of high school restaurant and foodservice courses linked with mentored worksite experiences. This basic course from the National Restaurant Association (NRA) introduces students into the world of professional cooking. Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught from a specially designed curriculum that emphasizes real on-the-job skills.

PROSTART II GRADES 11-12

SEMESTER 1 #1676

SEMESTER 2 #2676

Prerequisite: Prostart I

Course Fee: \$75.00

Yearlong: Must register for both semesters
Students will continue to be trained for employment in restaurants. The basic skills taught in ProStart Level 1 will be reviewed and additional skills such as customer relations, accounting procedures, and more advanced food preparation skills will be taught.

CHILD DEVELOPMENT GRADES 9-12

SEMESTER COURSE #1677

Child Development is a course designed to introduce students to the world of children. Students learn concepts in child development through exploration of life from conception to birth. Students will take part in a parenting simulation using the "Baby Think It Over" is a requirement of this course.

HEALTH CAREERS

MEDICAL TERMINOLOGY GRADE 9-12

SEMESTER COURSE #1773

This course covers prefixes, suffixes and root words used to compose medical terms. The student learns to spell, pronounce, define, analyze and formulate terminology related to body structure, disease, diagnosis and treatment. Medical abbreviations are also included.

NURSING ASSISTANT TRAINING GRADE 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.



MATH ELECTIVES

INTRO TO STATISTICS AND PROBABILITY GRADES 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 GRADES 11-12

SEMESTER 1 #1170

SEMESTER 2 #2170

Prerequisite: Algebra II, 2.8 GPA

College Level: 7 College Credits

Students meet daily and use the same text and syllabus as Anoka-Ramsey Community College. This is a year long course. This is not an “elementary algebra” course. Students are expected to be strong algebra thinkers and in the top $\frac{1}{3}$ of Junior Class or the top $\frac{1}{2}$ of your Senior Class.

COLLEGE CALCULUS GRADES 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.

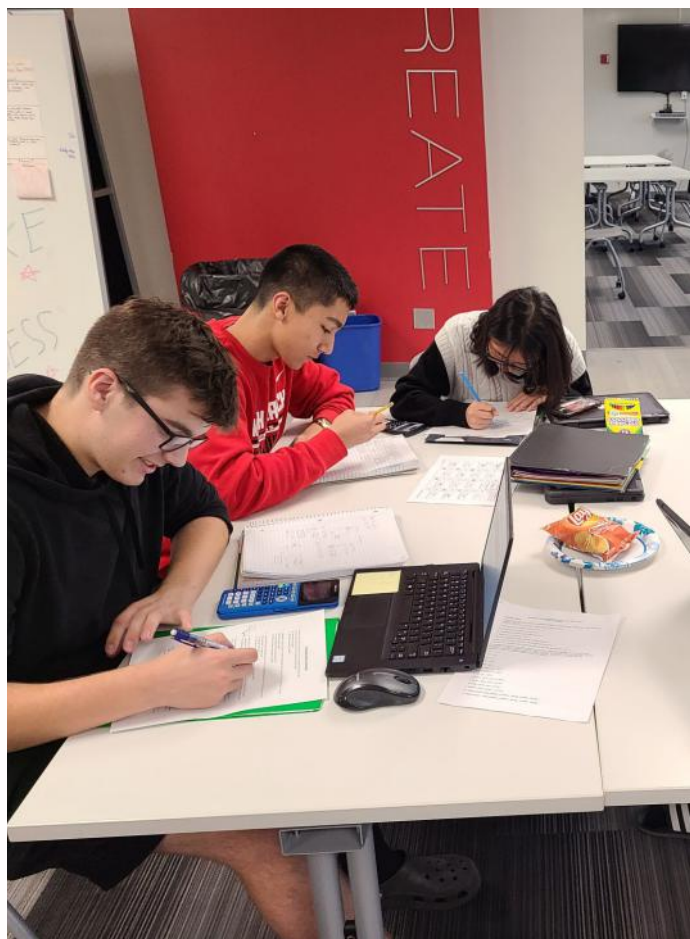
COLLEGE STATISTICS GRADES 11-12

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

MUSIC EXPLORATION GRADES 10-12



SEMESTER COURSE #1758

Students will explore the many facets that encompass music ranging from theory to composition to history. The physical parts of the music genres will be analyzed, of which there are three: physics of sound, written recordings, and the interpretation of perceived sounds. This study will allow the student to be able to confidently define what music is, in comparison to noise or sounds in general through analyzing video or sound recordings of a variety of genres. The basic theory of the written music page including a variety of symbols will be studied so that each student will be able to compose and perform his or her own brief musical "song". The prehistoric history of music will be studied ending with the beginning of modern music in the Renaissance Era. This will also include the study of prehistoric instruments and usages for music.

BEGINNING PIANO GRADES 9-12



SEMESTER COURSE #1759

This class is designed for people who have no-or very little piano experience, and who want to learn how to play the piano. Class piano is designed to teach the concepts and fundamentals needed to perform on the piano. Students develop good practice habits, and learn techniques to increase the muscular agility and flexibility of their hands. It will increase musical understanding beyond just reading the notes by teaching students a vocabulary of chords and keys, accompaniment patterns, and improvisational techniques.

BEGINNING PIANO II GRADE 9-12



SEMESTER COURSE #1762

Prerequisite: Beginning Piano I

Students will work on playing the basic I, IV, and V7 chord progression while learning about improvisation. Playing in new key and time signatures is thoroughly examined in this class as rhythms and fingerings become more complex.

BEGINNING GUITAR I GRADE 9-12



SEMESTER COURSE #1761

This course will introduce any student to the guitar, or help established guitar players to understand the mechanics of the instruments and read music that can be played on guitar. Students routinely play short written selections for a score, and continue re-testing to improve the score. Daily structure is oriented towards goal oriented playing of the guitar and reading music. School can provide guitar, or student can bring acoustic guitar of their own.

ADVANCED GUITAR GRADES 9-12



SEMESTER COURSE #1765

Prerequisite: Beginning Guitar

After completing Beginning Guitar 1 with an average grade of C or higher students may register for Beginning Guitar 2. This class runs simultaneously with the Guitar 1 class and therefore requires independent work and additional expectations with the in-class playing/practicing. Students will work out of the guitar method book 2 or 3, but no longer out of book 1. Expect to play more chords off memory and a recital every Friday, guitars can be provided in class although personal guitars are allowed if they are not electric-only instruments.

VARSITY BAND GRADES 9-10



SEMESTER 1 #1749

SEMESTER 2 #2749

Prerequisite: Music Department Evaluation

Percussion Use Fee: \$29.25

School Instrument Use Fee: \$58.50

Students are selected for this band by audition in the spring of the preceding year and must demonstrate basic musical skills. This band will perform quality concert band literature as well as popular and lighter selections. All members of this ensemble must accept responsibility for attending all concert band performances, as well as a percentage of the pep band performances throughout the year.

JAZZ BAND GRADES 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.

VALKYRIE CHORUS GRADES 9 - 12**SEMESTER 1 #1755****SEMESTER 2 #2755****Yearlong:** Must register for both semesters

Valkyrie chorus 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 Varlkyrie chorus 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.

SYMPHONIC BAND GRADES 10-12**SEMESTER 1 #1750****SEMESTER 2 #2750****Prerequisite:** Music Department Evaluation**Percussion Use Fee:** \$29.25**School Instrument Use Fee:** \$58.50

The symphonic band will consist of students who exhibit the musical skills necessary to perform more advanced musical literature. Students are selected for this band by audition in the spring of the preceding year. While performing band literature of the finest quality, the symphonic band participates in various school functions throughout the year as well as a percentage of the pep band performances throughout the year.

VARSITY BAND/CHOIR GRADES 9-12**SEMESTER 1 #1764****SEMESTER 2 #2764****Yearlong:** Students must register for both courses**SYMPHONIC BAND & CONCERT CHOIR** GRADES 10-12**SEMESTER 1 #1752****SEMESTER 2 #2752****Prerequisite:** Music Department Evaluation**Yearlong:** Must register for both semesters**VIKING CHORUS** GRADES 9-12**SEMESTER 1 #1753****SEMESTER 2 #2753****Yearlong:** Must register for both semesters

Viking chorus is a beginner level men's choir offered to all incoming 9th grade tenors and basses who are just starting their high school singing career. Any tenor or bass student may be in the Viking chorus 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.



CONCERT CHOIR GRADES 10-12**SEMESTER 1 #1757****SEMESTER 2 #2757****Prerequisite:** Music Department Evaluation**Yearlong:** Must register for both semesters

Members are selected by audition with the vocal director in the spring of the preceding year and must demonstrate ability to sing in tune and read music. It is designed for the advancing student who has begun to master the basic skills; with increased attention given to blend, balance, and intonation. Choral literature from a variety of musical time periods and in varied styles is performed. Attendance at all scheduled performances is considered part of the extended school day and is required to receive credit. This may be taken for credit all 4 years.

HARMONAIRES GRADES 9-12**SEMESTER 1 #1768****SEMESTER 2 #2768****Prerequisite:** Music Department Evaluation, must be enrolled in another choir at NABHS**Yearlong:** Must register for both semesters

Members are selected by audition with the vocal director in the spring of the preceding year and must demonstrate ability to sing in tune. Harmonaires is a mixed show choir made up of students from all voice parts. Show choir is designed for the advancing student who has begun to master the basic skills with attention to the competitive functions of a show choir including high quality singing, and crisp choreographed movements. Choral literature from various popular sources will be performed in this group. Attendance at all scheduled performances is considered part of the extended school day and is required to receive credit. This may be taken for credit all 4 years.

**Students can earn PE credit for Harmonaires*

COLLEGE HISTORY OF ROCK & ROLL GRADES 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 GRADES 9-12

SEMESTER COURSE #1207

Foundations of Fitness and Sport is designed to introduce students to lifetime fitness through participation in individual sports, team sports, and physical fitness activities. This class is catered to students who do not have previous experience playing sports or those who would consider themselves a beginner or intermediate level in regards to sports interest and skills. The emphasis of this course will be on skill development in both team and individual sports at the recreational level of play. Daily participation in all class activities and written unit tests are required of all students taking this class.

GIRLS IN MOTION GRADES 9-12

SEMESTER COURSE #1206

This is a girls only PE class that will include activities that appeal to teenage girls including but not limited to; fitness activities, team sports, and individual sports, and dual sports. May also be taken for an elective credit.

INDIVIDUAL & DUAL SPORTS GRADES 9-12

SEMESTER COURSE #1221

This elective physical education class introduces students to lifetime individual sports. Students taking this class should have intermediate to advanced racket skills. This is not a class for the beginner level racket skills student. Students will learn the skills and rules of; archery, tennis, starball, badminton, and pickleball. Other non-racket individual and dual sports may also be included depending on the season. Unit testing and daily fitness warm-up activities are also a part of this elective physical education class.

TEAM SPORTS GRADE 10-12

SEMESTER COURSE #1222

This physical education course emphasizes active participation to benefit an individual's overall health and wellness. This is a class that caters to students with previous sports experience who would consider their sports skill level to be advanced and are comfortable participating in competitive sports and games. Students in this class will study, practice, and play a variety of team oriented sports that promote teamwork and sportsmanship. Daily fitness warm-ups and unit testing are part of the curriculum for this elective PE class

STRENGTH & CONDITIONING I GRADES 10-12

SEMESTER COURSE #1220

Prerequisite: 9th/10th Grade required PE option

This elective class is an introduction to strength and conditioning. The concepts of muscular anatomy and fitness principles will be covered. Students will learn weight lifting techniques and safety in the fitness center environment. Students will also learn how to develop and implement a personal fitness plan.

STRENGTH & CONDITIONING II GRADES 10-12

SEMESTER COURSE #1226

Prerequisite: Strength and Conditioning I

In this advanced strength and conditioning class students will design and implement their own personal fitness plan. Students may take this class for credit more than once with the approval of the instructor.

DANCE MANIA GRADES 9-12

Course #1225

Prerequisite: 9th/10th Grade required PE option

Dance Mania is a physical education class that will focus on dancing, creating dances, and watching dancing. The units covered will be party/line dances, folk dances, square dances, creative/rhythmic dances and social/ballroom dances. Each unit will include dance instruction, terminology, and history. The final group project will be creating a line dance.

YOGA WELLNESS GRADES 11-12

SEMESTER COURSE #1205

Prerequisite: 9th/10th Grade required PE option

This elective physical education class is a combination of yoga, meditation and wellness. Students taking this class will be introduced to the basic postures and breathing techniques of yoga and meditation. This course is also designed to provide students with knowledge, and skills to develop a wellness oriented lifestyle. Students can expect a combination of classroom days with required written assignments, and activity days which mostly focus on yoga.

SCIENCE ELECTIVES

HUMAN ANATOMY & PHYSIOLOGY I GRADES 11-12

SEMESTER COURSE #1326

Prerequisite: C average in General Biology

This course studies the structure and function of the body. We cover how the body is organized, the chemistry of life, the different types of tissues found in the body as well as an overview of the major body systems.

HUMAN ANATOMY & PHYSIOLOGY II GRADES 11-12

SEMESTER COURSE #2326

Prerequisite: Human Anatomy & Physiology I

This course will be a continuation of Human Anatomy & Physiology I. Students will continue to explore the functions of and tissues related to major body systems not covered in the fall trimester.

OUTDOOR ADVENTURES GRADES 11-12

SEMESTER COURSE #1324

Prerequisite: Biology

This course immerses students in our natural world. We will look at human impacts on nature through outdoor adventures. These may include: rock climbing, camping, hiking, canoeing/kayaking, snowshoeing, and foraging. This class will also look at the problems facing our world. We will discuss and develop solutions through design changes, policy changes, lifestyle changes, etc. This course will expand upon some of the ecological and human impact topics that were introduced in General Biology.

SOCIAL STUDIES ELECTIVES

COLLEGE PSYCHOLOGY GRADES 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.

PSYCHOLOGY GRADES 11-12

SEMESTER COURSE #1452

Offered 2024-2025

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.

SOCIOLOGY GRADES 11-12

SEMESTER COURSE #1440

Offered 2023-2024

Sociology is the scientific study of human social behavior, human interaction, or, more generally, the study of 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.

TRADE & INDUSTRY

BASIC MACHINING GRADES 9-12

SEMESTER COURSE #1719

Basic Machining will offer the students a chance to familiarize themselves with a view of the machining field. Areas of study the students will be working in include the fundamentals of layout and measurement, hand-tool use, band saw cutting, drilling, turning, milling, and boring with mills and lathes. Students will learn the concepts and use of the equipment with given assignments and with some independent projects.

PRECISION MACHINING GRADES 10-12



SEMESTER COURSE #1720

Prerequisite: Basic Machining, 2.6 GPA

This class is designed for students who have taken Basic Machining and are looking for an advanced machining class, which will provide the machining skills needed for an industry machinist. Students will become skilled in the areas of vertical milling, lathe turning and precision measurement. Students will gain experience using a CNC Mill as well as a CAD/CAM software. Students can earn college credit with a C or better in the class.

BEGINNING WELDING GRADES 9-12



SEMESTER COURSE #1510

Prerequisite: Beginning Welding

Course Fee: \$20.00 and take home project material cost

Students taking this class will practice basic pipe welding and preparation and advanced welding joints as well as learn to read and use welding blueprints. An introduction to TIG welding and how to use it will also be a part of this class. Safety glasses are required. Fee: There is a materials cost for any take-home project. Students can earn college credit with a C or better in the class.

ADVANCED WELDING GRADES 10-12



SEMESTER COURSE #1509

Course Fee \$20.00 and take home project material cost

Students taking this class will learn to weld using Arc and MIG welding equipment. Students will also learn the basic joints in welding, how to perform them, how to properly prep material and to keep a clean and safe working environment. Safety glasses are required for this class. Students can earn college credit with a C or better in the class.



CAREERS IN MANUFACTURING & SAFETY AWARENESS GRADES 10-12**SEMESTER COURSE #1721**

This course focuses on exposure to the multitude of jobs in the manufacturing industry. Many local industry partners are interested in providing exposure opportunities for students to learn more about the vast array of career opportunities in the trades. By taking this course, students can also earn safety certification to ensure that students demonstrate their preparedness to adhere to safety protocols when given in-field opportunities. This course is designed to align with the Manufacturing Skill Standards Council's (MSSC) assessment and certification system for Safety. The course curriculum is based upon federally-endorsed national standards for production workers. This course will introduce OSHA standards relating to personal protective equipment, HAZMAT, tool safety, confined spaces, and others.

HOW TO MAKE ALMOST ANYTHING GRADES 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.

AUTO I-INTRO TO AUTO GRADES 10-12**SEMESTER COURSE #1724**

This course introduces students to automotive careers. Students considering the automobile technician career field will have an opportunity to explore basic skills and education needed for the automotive occupation. In addition, principles of operation for automotive systems, shop safety and use of service information are emphasized.

AUTO II - BRAKES GRADES 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- VEHICLE SERVICE GRADES 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.

VIKING IT I,II,III,IV GRADES 11-12**SEMESTER COURSE #1893A, 1893B, 1893C, 1893D**

Prerequisite: On track for graduation 2.0 GPA, No suspensions or referrals, Instructor Approval

Viking IT students will gain hands-on experience in computer/chromebook repair, current classroom technologies, and learning to work with team members to provide customer service to students and staff. Viking IT I students will complete work to earn a chromebook repair certificate. Viking II students will become certified in 3D printing. Viking IT III and IV students will continue to work on communication technology experiences in different media arts, coding and focusing on hands-on learning using a variety of different programs. Students will focus on problem solving and solution focused learning,

FRENCH I GRADES 9-11

SEMESTER 1 #1783

SEMESTER 2 #2783

Yearlong: Must register for both semester courses
This course serves as an introduction to French language and culture. First year French provides basic training in the communication skills of listening, speaking, reading, and writing, as well as a study of the French speaking world.

FRENCH II GRADES 10-12

SEMESTER 1 #1786

SEMESTER 2 #2786

Prerequisite: French I

Yearlong: Must register for both semesters
Students will continue at a more advanced beginning level to develop communication skills in speaking, listening, reading, and writing. Students will continue to broaden their knowledge of French-speaking people and world cultures.

FRENCH III GRADES 11-12

SEMESTER 1 #1789

SEMESTER 2 #2789

Prerequisite: French II

Yearlong: Must register for both semesters
This course increases proficiency of speaking, listening, reading, and writing. Students will deepen their understanding of French culture.

COLLEGE FRENCH GRADE 12

SEMESTER 1 #1792

SEMESTER 2 #2792

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

College Level: 5 College Credits (UMN)

This College in the Schools course provides a more in-depth study of French history, literature, and current events. Students will continue to work towards increasing proficiency in all skill areas: reading, writing, listening, speaking, and grammar.

SPANISH I GRADES 9-11

SEMESTER 2 #2795

Yearlong: Must register for both semester courses
This course serves as an introduction to the language and culture of Spanish-speaking people, including basic training in the communication skills of listening, speaking, reading, and writing.

SPANISH II GRADES 10-11

SEMESTER 1 #1798

SEMESTER 2 #2798

Prerequisite: Spanish I

Yearlong: Must register for both semesters
Students will continue at an advanced beginning level to develop the communication skills of listening, speaking, reading, and writing. Students will continue to broaden their knowledge of Spanish-speaking cultures.

SPANISH II GRADES 11-12

SEMESTER 1 #1800

SEMESTER 2 #2800

Prerequisite: Spanish II

Yearlong: Must register for both semesters
Students will increase their proficiency in listening, speaking, reading, and writing. Students will be introduced to Hispanic literature, arts, history and current events.

COLLEGE SPANISH UMN SPAN 1003 GRADE 12

SEMESTER 1 #1806

SEMESTER 2 #2806

College Level: 5 College Credits (UMN)

Prerequisite: Spanish I, II & III, Top 25% of class
The goal of this class is to progress to a proficiency level of Intermediate High in the three modes of communication: Interpersonal, Presentational (speaking & writing) and Interpretive (listening & reading). Some topics include: discussing human rights issues in the Spanish-speaking world, learning about the history of Spain and its peoples, presenting on the importance of the rainforest, and talking about the influence of latin music, dance and art in the United States.

OPTIONS FOR SENIORS





VIKING BRIDGE INTERNSHIP

Viking Bridge Internship is an opportunity for students to explore the workforce. Getting into the workforce in a desired area allows students to gain industry experience in high school.

The purpose of Viking Bridge Internship is to provide opportunities students to explore their post-secondary interests while they are still in high school. Students will develop goals, learn skills and gain experience. Students earn credit through their work experience, community service or volunteer opportunities.

North Branch Area High School continues to build partnerships with community partners. These partnerships have created more opportunities for students to get involved in industry and in the community.

Requirements:

- Completion of the Work Seminar course. This can be done at the same time as or prior to taking part in an internship opportunity.
- Reliable transportation.
- On track to graduate.
- Approval is required from the Career Navigator

VIKING BRIDGE INTERNSHIP OPPORTUNITIES

Students may register for one content area related Work Based Learning Experience. Students will need to have completed one semester of Work Based Learning Seminar prior to or at the same time as their internship

WORK BASED LEARNING SEMINAR

SEMESTER 1 #1613

SEMESTER 2 #2613

Prerequisite: Instructor Approval

This is the required classroom portion of the Work Based Learning program. Students will cover topics related to employability skills, workforce topics, goal achievement, and career portfolio development.

WORK BASED LEARNING: BUSINESS & MARKETING

SEMESTER 1 #1612

SEMESTER 2 #2612

Prerequisites: Career Navigator Approval, Work Seminar course (can be taken at the same time), On track for graduation

Students may earn credit while being employed in a business or service related occupation. Students will interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Students will have employment, provide their own transportation and develop work goals.

WORK BASED LEARNING: FAMILY & CONSUMER SCIENCE

SEMESTER 1 #1686

SEMESTER 2 #2686

Prerequisites: Career Navigator Approval, Work Seminar course (can be taken at the same time), On track for graduation

Students may earn credit while being employed in industry related to food industry or child development. Students will interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Students will have employment, provide their own transportation and develop work goals.

WORK BASED LEARNING: TRADE & INDUSTRY

SEMESTER 1 #1687

SEMESTER 2 #2687

Prerequisites: Career Navigator Approval, Work Seminar course (can be taken at the same time), On track for graduation

Students may earn credit while being employed in industries related to manufacturing, communications and transportation. Students will interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Students will have employment, provide their own transportation and develop work goals.

SUPERVISED AGRICULTURE EXPERIENCE

SEMESTER 1 #1688

SEMESTER 2 #2688

Prerequisite: Career Navigator Approval, Work Seminar course (can be taken at the same time), On track for graduation

Students will earn credit while being employed in an agricultural related field. Students will interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Students will have employment, provide their own transportation and develop work goals.

TEACHING ASSISTANT

SEMESTER 1 #1892

SEMESTER 2 #2892

Prerequisite: Career Navigator Approval and Teacher Mentor Approval, Work Seminar course (can be taken at the same time), On track for graduation

While in student service you can help a teacher or staff member. Seniors will be able to learn from professionals regarding the intricacies of the education field or the content area of the instructor. Seniors will work under the supervision of professionals while developing postsecondary and career readiness knowledge and skills. Students will have approved placement, transportation if needed and develop work goals.

MIDDLE SCHOOL MENTOR

SEMESTER 1 #1896MS

SEMESTER 2 #2896MS

Prerequisite: Career Navigator Approval and Social Worker Mentor Approval, Work Seminar course (can be taken at the same time), On track for graduation

Seniors will work with students at the middle school. The focus is for students to build relationships, rapport and have some fun with students that need more support. Seniors will work under the supervision of professionals while developing postsecondary and career readiness knowledge and skills. Students will have approved placement, transportation if needed and develop work goals.

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

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





DISTANCE LEARNING
ACADEMY



NORTH BRANCH
AREA PUBLIC SCHOOLS
Inspire Dreams, Build Integrity, Instill Hope



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
651-674-1406 or email
cmcdonough@isd138.org or visit the
website
at: www.isd138.org/Page/362

CLICK HERE

to see if Distance Learning
is right for you

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
Algebra I	D2101A	D2101B
Algebra II	D2103A	D2103B
Geometry	D2201A	D2201B
Probability and Statistics	D2010	
Financial Math	D2401A	D2401B

Pre Calculus

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 I & II	D4903A	D4903B
Economics	D4700	D4700
Geography	D4211	D4211

REQUIRED ELECTIVES

ART (1 REQUIRED ART)

	SEM 1	SEM 2
Theatre Cinema and Film Production I	D7006	D7006
Art History and Appreciation		D7012A
Music Exploration	D7113	
Introduction to Visual Arts (Art Skills)	D7115	
Interior Design	D9208	

PHYSICAL EDUCATION (1 PE AND HEALTH REQUIRED)

	SEM 1	SEM 2
Intro to Individual Sports I	D5005	
Intro to Individual Sports II		D5005B
Strength Training		D5020
First Aid and Safety	D5603A	
Health	D5605	D5605
Foundations of Sport and Fitness	D5606	D5606
Health & Personal Wellness		D5607
Nutrition and Wellness	D5608	

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
Criminology		D95072

Intro to Forensics	D9525A	
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SOCIAL STUDIES ELECTIVES

	SEM 1	SEM 2
African American Studies	D4600	
American Government	D4650	D4650
History of Holocaust		D4550
Intro to Military	D9010	D9010
Personal Finance		D9005
Psychology	D4401	
Sociology		D4530

Women's Studies	D4540	
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FACS ELECTIVES

	SEM 1	SEM 2
FACS Exploration	D9202	D9202
Intro to Fashion Design	D9209	D9209
Cosmetology: Cutting Edge Styles	D9212	
Cosmetology 2: The Business of Skin and Nails		D9213

Career Explorations	D95012	
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Workplace Internship Readiness		D95013
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Intro to Culinary Arts A	D95022A	D95022A
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Culinary Arts: Find your Palate		D95022B
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Food Handler and Food Manager Certification	D9506	D9506
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BUSINESS ELECTIVES

	SEM 1	SEM 2
Intro to Hospitality and Tourism	D9503	

Hospitality and Tourism 2		D95035
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Sports and Entertainment Marketing		D95034
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COMPUTER SCIENCE

	SEM 1	SEM 2
Coding I: Intro to Programming	D95194	

Coding II: Programming		D95195
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AGRICULTURE

	SEM 1	SEM 2
Intro to Agriscience	D9530	

Agriscience II		D9533
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OTHER ELECTIVES

	SEM 1	SEM 2
ACT English Prep	D9610	

ACT Math Prep	D9620	
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ACT Reading Prep	D9630	
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ACT Science Prep	D9640	
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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

CLINT LINK

- Principal
- 651-674-1505
- clink@isd138.org

ANDREA THINER

- Assistant Principal
- 651-674-1506
- athiner@isd138.org

STACY REDDING

- Counselor A-L
- 651-674-1604
- sredding@isd138.org

ROBERTA BACKUS

- Counselor M-Z
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- rbackus@isd138.org

THOMAS MCCARTHY

- Dean of Academic Success
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KRISTIN MAYNE

- Career Navigator
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DAVID TREICHEL

- Director of Teaching and Learning
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- dtreichel@isd138.org

SARA PAUL

- Superintendent
- 651-674-1012
- spaul@isd138.org