

North Huron Schools

Course Description Booklet

High School

2019-2020

Section I: High School

Overview of Classes by Grade Level

9th Grade

Algebra I	1.00 Credit
English 9	1.00 Credit
Physical Science	1.00 Credit
American History	1.00 Credit
Biology & Agriscience	1.00 Credit
Electives	2.00 Credits

10th Grade

Geometry	1.00 Credit
English 10	1.00 Credit
Chemistry	1.00 Credit
Zoology & Environmental Science	1.00 Credit
American History	1.00 Credit
Electives	2.00 Credits

11th Grade

Algebra II	1.00 Credit
English 11	1.00 Credit
Government	.50 Credit
Economics	.50 Credit
Electives	4.00 Credits

12th Grade

Math - Student choice	1.00 Credit
English 12	1.00 Credit
*Physical Education <i>(Includes Health & PE)</i>	1.00 Credit
Electives	4.00 Credits
*May be taken prior to Senior year	

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Section II: High School

A. Overview of Required Classes for Graduation - grades 9-12

Total Graduation Requirements

English	4.00 Credits
Math	4.00 Credits
Science	4.00 Credits
Social Studies	3.00 Credits
Humanities or Fine Arts	1.00 Credit
Physical Education	0.50 Credit
Health Education	0.50 Credit
Foreign Language (starting with Class of 2016)	2.00 Credits
Electives	Minimum of 7.00 Credits

Total Credits to Graduate 26.00

B. Description of Courses by Academic Area

1. English
2. Math
3. Science / Agriscience
4. Social Studies
5. Fine Arts / Music
6. Foreign Languages
7. Physical Education

C. Huron Area Technical Center

D. Other Opportunities

ENGLISH

English 9 A (ENG115) /B (ENG116)

Grade 9

Prerequisites: None

In English 9, students will read a variety of literature including short stories, novels (*To Kill a Mockingbird*), non-fiction pieces, drama (*Romeo and Juliet*), and poetry. Through writing and discussion, they will examine universal themes found in literature. Students will focus on improving their writing skills through intensive guided writing in various forms with attention to the review of grammar and usage. Also, students will have regular practice in reading fluency and in vocabulary acquisition. (2019)

English 10 A (ENG120) /B (ENG121)

Grade 10

Prerequisites: English 9

English 10 is a review of grammar usage, introduction of the research paper, and a study of literature including Shakespeare, short stories, poetry, non-fiction (*Into Thin Air*), and a novel (*Of Mice and Men*). (2019)

English 11 A (ENG125) / B (ENG126)

Grade 11

Prerequisites: English 9 / English 10

This class will focus on student usage of grammar concepts as it relates to the SAT testing. In addition, the focus will include writing skills for advanced post secondary coursework at a Technical, Vocational or University level. Students will successfully complete a five paragraph persuasive essay and incorporate skills needed in writing for the world of work. The class will also have a major focus on advanced literature, reading more sophisticated fiction and non-fiction in American literature and will study the reading in greater depth. This reading will be accomplished by a considerable amount of writing instruction and writing of various types including exposition, response to literature, and persuasion. (2019)

English 12 A (ENG130) / B (ENG131)

Grade 12

Prerequisites: English 9 / English 10 / English 11

This class is a continuation of the requirements for the English 11 class. In addition, students will focus on one-page papers including research writing using the APA (American Psychological Association) and MLA (Modern Language Association) formats. The class will emphasize individual student needs as well as basic requirements in grammar and writing skills

Students will also focus on World Literature studies. They will read literature from all parts of the world and from the earliest writings to the present day. They will respond to literature in writing, discussion, and group projects. (2019)

MATHEMATICS

Required Classes

Algebra I A (MTH115) /B (MTH116)

Grades 9

Prerequisites Pre-Algebra or Instructor Approval

In this class, we will do activities and use graphing calculators to investigate and translate patterns into mathematical representations (equations, graphs, data tables, linear & quadratic equations) to solve problems. *A calculator is required.* (2019)

Geometry A (MTH125) /B (MTH126)

Grades 10

Prerequisites Algebra I or Instructor Approval

In this class, students will study properties of geometrical shapes and patterns. Students will then use these properties to represent and solve real-world problems, as well as transform geometric shapes. This course is a study Euclidean Geometry and the theorems and postulates that make it possible. (2019)

Algebra II A (MTH120) /B (MTH121)

Grades 11

Prerequisites Algebra I or Instructor Approval

This course is an extension of Algebra I. Topics covered will involve solving linear and quadratic equations and systems; analyzing; exponential, logarithmic and trigonometric functions. Students in this class will also investigate basic statistics. Students will look at what makes up a good statistic, how sampling works, distributions of samples, as well as other statistic related topics. (2019)

A graphing calculator is recommended for this class. Recommended is the TI -84 Plus CE.

Consumers Math

Grades 12

Prerequisites: None

In this class, students will study personal finance topics such as budgeting, debt, careers and taxes, savings, and insurance. This course is intended to educate students on handling their money responsibly and preparing them for real world situations they will most likely encounter, after high school. (2019)

SCIENCE

Physical Science A (SCI115) B (SCI116)

Grade 9

Prerequisite None

Physical Science is designed to give students a hands on introduction to the foundational concepts of physics. In this course students will improve their scientific and graphical skills, and explore in depth the concepts of motion, forces, energy and waves. (2019)

Chemistry I A (SCI120) B (SCI121)**Grade 10****Prerequisite Physical Science A & B**

In this course students will build a deep understanding of how the atomic world affects the macroscopic world from a historical perspective. Students will improve their skills with proportional reasoning and modeling matter as particles. Topics covered: density, gas laws, thermodynamics, compounds vs mixtures, counting particles, chemical bonding, and chemical reactions *A scientific calculator is recommended.* (2018)

Astronomy**Grade 10-12****Prerequisite None**

Astronomy will teach students how to identify a variety of objects in the night sky that can be observed with an unaided eye. The course will also cover topics related to stars, planets, galaxies, and current NASA missions. (2018)

Chemistry II**Grade 11-12****Prerequisite Chemistry**

This course builds on the concepts of Chemistry I, taking a more in depth look at topics such as chemical equilibrium, oxidation-reduction reactions, acids and bases, electrochemistry, and organic chemistry. *A scientific calculator is recommended.* (2019)

AGRISCIENCE**Biology & Agriscience A B****Grade 9**

Biology and Agriscience will provide students with the opportunity to explore the science of life and of living organisms, including their structure, function, growth, origin, evolution, and distribution. The class will focus on the main objectives of a traditional biology course but will also cover these topics through the lens of agriculture, food and natural resources. Students will complete several labs and projects throughout the semester. Students will have an opportunity to participate in FFA-sponsored events related to the material they are learning or the material they are interested in learning. (2019)

Zoology and the Environment A B**Grade 10****Prerequisites Biology & Agriculture**

Zoology and the Environment will provide students with the opportunity to explore the science of animals and how living things interact with their non-living environment. Animal science topics will be covered along with topics of environmental science such as water quality, air quality, development of soils, climate change, alternative energy, and sustainability. Students will complete several labs and projects throughout the semester, including projects involving live animals. Students will have an opportunity to participate in FFA-sponsored events related to the material they are learning or the material they are interested in learning. (2019)

Advanced Ag**Grades 10-12****Prerequisites Biology & Agriculture, Zoology & the Environment**

Advanced Agriscience will build on the topics covered in freshmen and sophomore agriscience courses. Topics will rotate each year with focuses on animal science, natural resources, plant science, leadership, career success and agribusiness management covered throughout the year. This class will be responsible for organizing and implementing several large projects during the year. Students will complete several labs and projects throughout the semester. Students will participate in FFA-sponsored events related to the material they are learning or the material they are interested in learning and are members of the North Huron FFA Chapter. (2019)

SOCIAL STUDIES**World History A (SSG115) /B (SSG116)****Grades 10****Prerequisites None**

This is a course that is aligned with the Common Core State Standards. It is aligned with the Revised NCSS Thematic Strands and continues to focus on ten themes including: Culture; Time, Continuity and Change; People, Places, and Environments; Individual Development and Identity; Individuals, Groups, and Institutions; Power, Authority, and Governance; Production, Distribution, and Consumption; Science, Technology, and Society; Global Connections; and Civic Ideals and Practices. This course entails the study of Eras 4-7 in World History. This class will look at general social studies as well as the world, its people, environments, physical systems, politics, and religions, and more. (2019)

American History A (SSG120) /B (SSG121)**Grade 9****Prerequisites None**

This class encompasses the historical, societal, and cultural development of the United States from the Civil War period through the end of the Cold War. A major focus is the cause and effect relationship, which exists between major historical events. U.S. geography in relationship to events after the Civil War is explored. (2019)

Government (SSG125)**Grades 11-12****Prerequisites American History/ World History**

In Government students study the background, development, and daily operation of our U.S. government with emphasis upon its federalistic nature. Students delve into the Declaration of Independence and the Constitution for deeper understanding of purpose, intent, and structural design of our government. Students will study each branch of the federal government in detail. Students will also study the effects of the media, the courts, and special interest groups in dealing with conflicting rights and ideas. (2019)

Economics (SSG130)**Grade 11-12****Prerequisites World and American History**

Economics will cover basic concepts of scarcity, law of supply and demand, profit motive, consumer choices, inflation, the business cycle, money, credit, insurances, and labor-management issues. Students will explore different economic systems and how they function. An emphasis is placed on career preparation decisions and why and how the high school experience can assist and enhance the student's preparation for their economic future. Map work of the United States is included with regional concerns and advantages and disadvantages related to economic issues. (2019)

FINE ARTS / MUSIC**Art Grades 9-12****Prerequisites None**

Fundamentals of Art is a class for those who want to further their skills and increase their knowledge of art. Students study the basic elements of art: line, shape, form, texture, color, space and value through the use of several types of media. Some of the media used are clay, pencil, marker, crayons, acrylic paint, pastels and pen and ink. The class will explore many aspects of art history and the world of art. There are several quizzes, hands on projects and a final test. This class is designed to encourage and increase ability and knowledge in art and allow students to explore creativity and try new techniques. (2019)

Jewelry and Glass Design Grades 9-12**Prerequisite None**

Students will learn the basics of jewelry making and design using different mediums. We will work with glass, metal, precious/ semi precious gems and many different fibers. (2019)

Photography and Yearbook graphic design Grades 9-12

Prerequisite None

In order to capture and record the current school year for enjoyment and reference in the future, using the graphic design program Lifetouch provides for us, students will

- Write copy and captions in appropriate journalistic style for yearbook
- Use good photojournalism techniques
- Design a professional, attractive theme-based yearbook
- Write effective headlines and captions
- Edit, proofread and evaluate their own and others' work
- Work cooperatively within time frames (deadlines)

In addition to the yearbook, will also have many photo assignments and will learn about and how to use a camera and how to take a photo like a photographer. (2019)

Band (BND310)

Grades 9 - 12

Prerequisites

Previous Junior High Band participation

This class is highly performance-oriented, with concerts in the winter and spring and with several appearances at various sporting events and festivals throughout the school year. Emphasis at this level includes musical literature of all genres, keys, and time signatures. Marching band techniques are covered in the fall, while concert band and pep band are instructed throughout the remainder of year. Previous concert band experience is a must. **Participation is mandatory at all scheduled performances.** (2019)

Woodworking I (ELE305)

Grades 9 - 12

Prerequisites

None

Students will be introduced to the basics of woodworking with an emphasis on shop safety, measuring, and correct machine usage. There will be assignments, tests and hands-on activities prior to using woodworking machinery, as well as throughout the course. Students will be required to complete projects that build their skill and increase their proficiency. ***Students are required to pay for their materials.*** (2019)

Woodworking II

Grades 9 - 12

Prerequisites

Woodworking I

This woodworking course introduces the student to the in depth principles of woodworking. Emphasis is placed on proper technique, safety and shop policies for the woodworking facility, print reading and writing. Students are required to complete a final performance project, demonstrating mastery of skills. Students will draw a set of working drawings to construct a woodworking project of their choice. Advanced woodworking techniques will be covered independently with students to meet their project needs. Project materials are paid for by the student.

Advanced Woodworking**Grades 9-12****Prerequisites****Woodworking I & Woodworking II**

Students will further develop their woodworking skills with more advanced projects and techniques. Students will create a project for the Michigan Industrial and Technology Education Society competition. *Students are required to pay for their materials. (2019)*

Manufacturing**Grades 9-12****Prerequisites****None**

This class entails mass producing items in the woodworking lab and classroom. Students will use the woodworking equipment, laser engraver, CNC router and 3D printers. The goals of mass production is to make several of the same items, market, and sell them to purchase new supplies and materials. (2019)

Automation and Robotics**Grade 9-12****Prerequisites****None**

Your child will be learning about automation and robotics this year using VEX robotics and Robot-C programming. Students will trace the history, development and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students acquire knowledge and skills in problem solving, teamwork collaboration and innovation. (2019)

FOREIGN LANGUAGE**Spanish (FLS 110)****Grades 9 - 12****Prerequisites****None**

Spanish I and II are basic, beginning Spanish courses. Concentration is on building vocabulary, pronunciation skills, Spanish grammar, and basic idioms of the language. With regards to Spanish culture, students will study the contributions of Spanish speakers here in the United States as well as the cultures of the Spanish speaking countries of the Caribbean Islands, Mexico, Spain, & Central America. An additional emphasis of this class will be to teach study skills, responsibility for assignments, and proper classroom demeanor. (2018)

PHYSICAL EDUCATION

Health (PEH110)

Grades 9 - 12

Required for Graduation

Prerequisites

None

Health education will consist of reading, writing, reporting, test taking and home assignments. The course is designed to enable students to acquire knowledge and master required course objectives pertaining to any and all of the subjects listed: 1) Nutrition & Physical Activity; 2) Alcohol, Tobacco and Other Drugs; 3) Safety, Environmental Health and Emergency Preparedness; 4) Social & Emotional Health; 5) Personal Health & Wellness; 6) Diseases and Disorders and 7) Reproductive Health Education (2019)

Physical Education (PEH200)

Grades 9-12

None

Prerequisites

In this class we focus upon improving the “fitness” level of class participants. We try to stress the importance of regular physical activity. We stress cardiovascular endurance, flexibility, strength, coordination, and game participation in the following areas: (volleyball, basketball, team handball, speedball, touch/flag football, badminton, golf and soccer. We hope to involve students in meaningful daily exercise. We use the Fitnessgram testing program to monitor individual fitness levels. (2019)

Personal Fitness

Grades 9-12

None

Prerequisites

This course is designed to introduce the fundamentals of weight training and personal fitness. Students will be taught the fundamentals and techniques for improving and developing strength, flexibility and endurance. (2019)

Team Sports

Grades 9-12

None

Prerequisites

This course is designed to focus on the implementation of strategy, skills, techniques and rules used in various different team sports. Those sports include volleyball, basketball, softball, team handball, speedball, lacrosse and football. Once this course is completed, students will be able to use what they have learned for a lifetime of personal fitness. We use the Fitnessgram testing program to monitor individual fitness levels as well as written test to monitor knowledge gained. (2018)

OTHER ELECTIVES

1. HURON AREA TECHNICAL CENTER

All programs offered are available from the Elementary Principal.
Open to juniors and seniors.

2. MVHS / DUAL ENROLLMENT

All programs offered are available from the Secondary Principal.
Eligibility requirements must be met prior to registering for a course.

**3. MID-MICHIGAN COMMUNITY COLLEGE/SAINT CLAIR COUNTY
COMMUNITY COLLEGE**

All programs offered are available from the Secondary Principal.
Eligibility requirements must be met prior to registering for a course.