



**MENOMINEE  
AREA PUBLIC SCHOOLS**

# K-12 Program of Study

**2021-2022**



Central Elementary School  
Blesch Intermediate School  
Menominee Junior / Senior High School

Approved by the  
Menominee Area Public Schools  
Board of Education  
August 23, 2021

All traditional seated courses may also be held virtually. Students requesting a fully virtual course option must indicate interest during the regular scheduling process and must amend their Education Development Plan (EDP) plan to include virtual learning prior to submitting their course request form. For students who do not currently have an EDP, students must complete an EDP within the first two weeks of the start of the semester. All virtual courses have two-way communication requirements and students must respond to teacher and/or mentor initiated communications.

*Students in kindergarten receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.*

*Classes for kindergarten may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

<p style="text-align: center;"><b>English Language Art</b></p>	<p style="text-align: center;"><b>Mathematics</b></p>	<p style="text-align: center;"><b>Science</b></p>	<p style="text-align: center;"><b>Social Studies</b></p>
<p>The ELA curricular units for ELA in Kindergarten launch students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for Kindergarten by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for Kindergarten continue to build toward College and Career Readiness. In Kindergarten, instructional time should focus on two critical areas: (1) representing, relating, and operating on whole numbers, initially with sets of objects; (2) describing shapes and space. More learning time in Kindergarten should be devoted to number than to other topics.</p>	<p>Instruction in Kindergarten reflects the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In Kindergarten, students focus on (1) Forces and Interactions: Pushes and Pulls; (2) Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment; (3) Weather and Climate; and (4) Engineering Design.</p>	<p>Instruction in Kindergarten focuses on the concept of <i>Myself and Others</i>. Using a familiar context for five and six-year-olds, kindergarteners learn about the social studies disciplines (history, geography, civics, government and economics) through the lens of “Myself and Others.”</p>

## 1<sup>st</sup> Grade

*Students in first grade receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.*

*1<sup>st</sup> grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

<b>English Language Arts</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>
<p>The ELA curricular units for ELA in grade 01 provide students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for grade 01 by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for grade 01 continue to build toward College and Career Readiness. Units of instruction in grade 01 focus on four critical areas: (1) developing understanding of addition, subtraction, and strategies for addition and subtraction within 20; (2) developing understanding of whole number relationships and place value, including grouping in tens and ones; (3) developing understanding of linear measurement and measuring lengths as iterating length units; and (4) reasoning about attributes of, and composing and decomposing geometric shapes.</p>	<p>Instruction in grade 01 continues to reflect the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In grade 01, students focus on (1) Waves: Light and Sound; (2) Structure, Function, and Information Processing; (3) Space Systems: Patterns and Cycles; and (4) Engineering Design.</p>	<p>Instruction in grade 01 focuses on <i>Families and Schools</i>. Students continue to explore the social studies disciplines (history, geography, civics, government, and economics) through an integrated approach focusing on school and families. This is the students' first introduction to social institutions.</p>

## 2<sup>nd</sup> Grade

*Students in second grade receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.*

*2<sup>nd</sup> grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

<b>English Language Arts</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>
<p>The ELA curricular units for ELA in grade 02 provide students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for grade 02 by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for grade 02 continue to build toward College and Career Readiness. Units of instruction in grade 02 focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure: and (4) describing and analyzing shapes.</p>	<p>Instruction in grade 02 continues to reflect the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In grade 02, students focus on (1) the Structure and Properties of Matter; (2) Interdependent Relationships in Wcosystems; (3) Earth's Systems: Processes that Shape the Earth; and (4) Engineering Design.</p>	<p>Instruction in grade 02 focuses on <i>The Local Community</i>. Students continue the integrative approach to social studies through the context of the local community. Students are introduced to a social environment larger than their immediate community.</p>

## 3rd Grade

*Students in third grade receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.*

*3<sup>rd</sup> grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

<b>English Language Arts</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>
<p>The ELA curricular units for ELA in grade 03 provide students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for grade 03 by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for grade 03 continue to build toward College and Career Readiness. Units of instruction in grade 03 focus on four critical areas: (1) developing understanding of multiplication and division and strategies for multiplication and division within 100; (2) developing understanding of fractions, especially unit fractions (fractions with numerator 1); (3) developing understanding of the structure of rectangular arrays and of area; and (4) describing and analyzing two-dimensional shapes.</p>	<p>Instruction in grade 03 continues to reflect the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In grade 03, students focus on (1) Forces and Interactions; (2) Interdependent Relationships in Ecosystems; (3) Inheritance and Variation of Traits: Life Cycles and Traits; (4) Weather and Climate; and (4) Engineering Design.</p>	<p>Instruction in grade 03 focuses on <i>Michigan Studies</i>. Students explore the social studies disciplines (history, geography, civics, government, and economics) through the context of Michigan Studies.</p>

## 4<sup>th</sup> Grade

Students in fourth grade receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.

4<sup>th</sup> grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).

<p style="text-align: center;"><b>English Language Arts</b></p>	<p style="text-align: center;"><b>Mathematics</b></p>	<p style="text-align: center;"><b>Science</b></p>	<p style="text-align: center;"><b>Social Studies</b></p>
<p>The ELA curricular units for ELA in grade 04 provide students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for grade 04 by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for grade 04 continue to build toward College and Career Readiness. Units of instruction in grade 04 focus on three critical areas: (1) developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends; (2) developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers; and (3) understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry.</p>	<p>Instruction in grade 04 continues to reflect the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In grade 04, students focus on (1) Energy; (2) Waves: Waves and Information; (3) Structure, Function, and Information Processing; (4) Earth's Systems: Processes that Shape the Earth; and (5) Engineering Design.</p>	<p>Instruction in grade 04 focuses on <i>United States Studies</i>. Using the context of Michigan post statehood and the United States, 4th grade students learn significant social studies concepts within an increasingly complex social environment. They examine fundamental concepts in geography, civics and government, and economics organized by topic, region, or issue.</p>

# 5<sup>th</sup> Grade

Students in fifth grade receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.

5<sup>th</sup> grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).

<b>English Language Arts</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>
<p>The ELA curricular units for ELA in grade 05 provide students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for grade 05 by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for grade 05 continue to build toward College and Career Readiness. Units of instruction in grade 05 focus on three critical areas: (1) developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions); (2) extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations; and (3) developing understanding of volume.</p>	<p>Instruction in grade 05 continues to reflect the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In grade 05, students focus on (1) Structure and Properties of Matter; (2) Matter and Energy in Organisms and Ecosystems; (3) Earth's Systems; (4) Space Systems: Starts and the Solar System; and (5) Engineering Design.</p>	<p>Instruction in grade 05 focuses on <i>Integrated United States History</i>. Building upon the geography, civics and government, and economics concepts of mastered in 4<sup>th</sup> grade and historical inquiry from earlier grades, the 5<sup>th</sup> grade expectations begin a more discipline-centered approach concentrating on the early history of the United States. Students begin their study of American history with Indigenous Peoples before the arrival of European explorers and conclude with the Bill of Rights in 1791.</p>

# 6<sup>th</sup> Grade

*Students in sixth grade receive instruction aligned to the Michigan Standards in the core areas of English Language Arts, Mathematics, Science and Social Studies.*

*6<sup>th</sup> grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

<b>English Language Arts</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>
<p>The ELA curricular units for ELA in grade 06 provide students with the continued opportunity to advance through the K-12 continuum of instruction and master the standards in reading, writing, speaking, listening, and language. Students who master the grade level content standards for grade 06 by the end of the academic year exhibit with increasing fullness the capacities of the literature individual.</p>	<p>The Mathematics curricular units for grade 06 continue to build toward College and Career Readiness. Units of instruction in grade 06 focus on four critical areas: critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and(4) developing understanding of statistical thinking.</p>	<p>Instruction in grade 06 begins a three-year middle school sequence that focuses on the interconnected nature of science practices and experiences in the real world. These science concepts build coherently from grade level to grade level and the standards focus on deeper understanding of content in real-world phenomena. In grade 06 - 08, students focus on (1) Structure and Properties of Matter; (2) Chemical Reactions; (3) Forces and Interactions; (4) Energy); (5) Waves and Electromagnetic Radiation; (6) Structure, Function, and Information Processing; (7) Matter and Energy in Organisms and Ecosystems; (8) Interdependent Relationships in Ecosystems, (9) Growth, Development, and Reproduction of Organisms, (10) Natural Selection and</p>	<p>Instruction in grade 06 focuses World Geography. The Grade Level Focus includes geography, Civics and Government , Public Discourse, Decision-Making, and Civics Participation.</p>

		Adaptations; (11) Space Systems; (12) History of Earth; (13) Earth's Systems; (14) Weather and Climate; (15) Human Impacts; and (16) Engineering Design.	
--	--	--	--

# Menominee Area Public Schools

## K-6 Specials Courses

*Students in grades K-6 also study the non-core (non-tested) areas of Music, Art, Computers, Outdoor Recreation, and Physical Education with instruction aligned to state and nationally accepted curricular targets. These courses may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

<b>Music (K-6)</b>	<b>Art (K-6)</b>	<b>Physical Education (K-6)</b>
<ul style="list-style-type: none"> <li>• Students will perform songs, play musical games and compose expressive movement in response to music.</li> <li>• Students will read simple rhythmic notation and expand upon their vocabulary of longer and shorter sounds. They will compose simple songs using limited pitches.</li> <li>• They will identify four orchestral instrument groups. Students will apply knowledge of body percussion and unpitched percussion to improvise and create simple rhythm patterns or accompaniments to music and poetry.</li> <li>• Students will demonstrate understanding of simple song form using movement</li> </ul>	<ul style="list-style-type: none"> <li>• Students will brainstorm multiple approaches to an art or design problem;</li> <li>• Students demonstrate safety within their work space while using art tools and equipment;</li> <li>• Student will talk preferred artwork using appropriate art vocabulary; and</li> <li>• Students will create works of art about events in home, school, or their community.</li> </ul>	<ul style="list-style-type: none"> <li>• Students will apply knowledge of concepts, principles, strategies and tactics related to movement and performance. EX: Speed, direction, force: varies time and force with gradual increases and decreases.</li> </ul>

<p style="text-align: center;"><b>Computers</b> <b>(K-6)</b></p>	<p style="text-align: center;"><b>Outdoor Recreation</b> <b>(K-6)</b></p>
<ul style="list-style-type: none"> <li>• Students will demonstrate basic typing skills and keyboard functions.</li> <li>• Students will demonstrate understanding of Google Docs, Google Sheets, Google Database and Google Slides.</li> <li>• Students will apply knowledge of concepts, principles, strategies and tactics related to coding.</li> <li>• Students will apply knowledge of concepts, principles, strategies and tactics related to safely using the internet.</li> </ul>	<ul style="list-style-type: none"> <li>• Students will apply knowledge of concepts, principles, strategies and tactics related to movement and performance. EX: Speed, direction, force: varies time and force with gradual increases and decreases.</li> <li>• Students will apply knowledge of concepts, principles, strategies and tactics related to hygiene, safety, nutrition and overall health.</li> </ul>

# 7th Grade Curriculum 2020-2021

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

## **Language Arts 7 (1)**

Language Arts 7 includes the areas of reading, writing, speaking, and listening. This is a year-long class with a strong emphasis in reading and writing. Students read quality literature from the textbook with an emphasis on fiction, nonfiction, poetry, and drama. The class also includes a unit on a recent adolescent trade book. Students learn strategies to increase comprehension of written material. Seventh graders are responsible for choosing Accelerated Reader books throughout the year to earn points each marking period as part of their grade. This course practices prewriting, composing, revising, editing, and publishing throughout the year. Projects include letter writing, essays, an autobiographical piece, demonstration speech, and a Dr. Seuss-type book. Students work on vocabulary development and grammar.

## **Science 7 (1)**

Science 7 is an exploratory science course. The following are taught during the year: Science Processes teach students about inquiry/scientific method, reflection, and social implications; Life Science covers the organization of living things including cell, photosynthesis and heredity, Physical Science explores different forms of energy as well as matter; Earth Science includes human consequences; weather and climate; water cycle and the atmosphere. Students are required to organize their work in a binder.

## **Math 7 (1)**

Students will learn the mathematical skills and concepts that are identified as appropriate for seventh grade students by the Common Core Standards. Objectives included are: ratios and proportional reasoning, percents, integers, rational numbers, expressions and equations, inequalities, basic geometry, statistics and probability.

## **Social Studies 7 (1)**

Social Studies 7 focuses on the Eastern Hemisphere. The emphasis includes the areas of Europe, Russia, Asia, Africa, and the Pacific. The specific areas of geography, past and present history and the variety of cultures will be discussed within these regions. Current updates will also be presented in these rapidly changing areas through Scholastic Magazine and current world events.

## **Spanish 1 (1/2)**

Spanish I is a basic course designed to give students a general understanding of fundamental Spanish. This course will encourage the development of language skills which include listening, speaking, reading, and writing. If a “C” or better is achieved in Spanish I, students will be issued a “P” for Pass on the high school transcript and will earn one high school credit toward the foreign language graduation requirement.

## **French 1 (1/2)**

This course teaches the fundamentals of the French language. The class will stress good pronunciation and conversational skills and give students an understanding of basic French grammar. If a “C” or better is achieved in French I, students will be issued a “P” for Pass on the high school transcript and will earn one high school credit toward the foreign language graduation requirement.

## **Physical Education (½ or 1)**

Physical Education 7 emphasizes daily physical activity (running and stretching). Students are taught various sports skills to help them compete in a variety of team sports. Students must suit up for class, display good sportsmanship, and actively participate in class to be successful.

## **Career Assessment Planning (½)**

In this semester course, 7th grade students will explore and start to plan their futures. The students will complete several activities to discover what careers might be of interest to them. The students will research different

careers (doing presentations on them) and how to achieve success in that area. They will develop an Educational Development Plan (EDP) that will follow them on through high school and college. Other topics covered include: résumés, job applications, goal setting, time management, personality traits, colleges, high school planning, resources to help succeed, and the use of technology.

### **Art 7 (½)**

Art 7 is an introductory art class designed to give students opportunities to sample a variety of materials and processes. Drawing, painting, sculpture, and printmaking will be explored; as well as graphic arts. Projects are designed to teach students technique, the elements of art, and principles of design. In this class, students will be encouraged to express their creativity and to leave the idea of what “good art” is at the door. By the end of this yearlong class, students will have a foundation and confidence for future art experiences.

### **Robotics/STEM 7 (½)**

Robotics 7 is an introductory class where students will learn about robotics. Students will learn coding, basics of 3- D printing, how to fit robot designs to accomplish a task, basic circuitry, learn about FIRST competitions and possibly build a simple robot for in class competition.

### **Band (1)**

Band is a continuation of the skills learned in 6th grade band. Band meets every day. Students will perform 2-3 evening concerts. Home practice is necessary

### **Choir (1)**

This is a year long course for any 7th or 8th grade student who would like to sing and improve his/her vocal music skills. Study focuses primarily on performance preparation. Each student will learn the basic elements of breathing, posture, vocal production, theory and sight-reading music. By learning and performing vocal ensemble numbers, students gain skills in breathing, the care and cultivation of a beautiful tone, improved mental and physical confidence, team spirit, and responsible rehearsal habits. All concerts are required to receive full credit for the class.

### **Keyboarding (½)**

Keyboarding Applications is a semester long class designed to provide an opportunity to learn to touch type on the computer keyboard using correct techniques as well as developmental of speed and accuracy. Students will be introduced to the formatting of personal and business letters, tables, notes, memos, and reports.

### **ASL 1 (1/2)**

This course will introduce students to the Deaf culture, history of culture. The student will be able to introduce oneself, exchange personal information, talk about surroundings, give directions, and describe various activities.

### **Creative Arts (½)**

Creative Arts is a course that combines Drama, Creative Writing, Literature Circles, and a variety of hands-on projects. In the drama sections of the course, the students will interpret literature and put on skits in the classroom. Also they will be putting on a play for the entire student body, as well as parents. During the creative writing section of the class, students will be introduced to a variety of different writing styles. They will have the opportunity to publish their work in a literary magazine that they will design, illustrate, edit, and publish. The Literature circles portion of the class will involve selecting, reading, and discussing at least three novels during this section. The elements of fiction will be reinforced and we will get more in depth with our discussions. There will also be an art section. We will be doing a number of hands-on, creative projects that will reinforce the lessons we are covering.

### **Current Events (½)**

This course follows the important events in the world as they are now happening. Newspapers, news magazines, radio and television are used to gather information. A maximum of one credit may be earned in World Affairs. Quizzes, map quizzes, essays, a debate, and unit tests are major grading components for the course.

### **Guided Study (1)**

This is a class to help students get their homework done. If they don't have any homework, they will be expected to do Accelerated Reading. Grades are Pass/Fail. Students are expected to achieve three accelerated reading points.

## **8th Grade Curriculum 2020-2021**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

### **Language Arts 8 (1)**

Language Arts includes the areas of reading, writing, speaking, and listening. Students read quality literature from the textbook with an emphasis on fiction, nonfiction, poetry, and drama. The class also includes a unit on a recent adolescent trade book as well as an Ann Frank/Holocaust unit. Students learn strategies to increase comprehension of written material. Eighth graders are responsible for choosing Accelerated Reader books throughout the year to earn points each marking period as part of their grade. This course also focuses on the writing process. Students practice prewriting, composing, revising, editing, and publishing throughout the year. Projects include letter writing, essays, a biographical piece, and an informative speech, among others. In addition, students work on vocabulary development and grammar throughout the year.

### **Science 8 (1)**

The curriculum will cover many different aspects of science. Some of the following topics may be covered: human systems, weather forecasts, structure of the earth, earthquakes, energy of earth systems, rock cycle, and volcanoes. Students will be required to maintain a notebook that will contain lecture notes, returned assignments, labs, and drawings.

### **History 8 (1)**

This class covers America from early civilizations through the Reconstruction Period after the Civil War. This course focuses on the United States internal developments and challenges and the emerging role as a leader in the Americas. Relevant current events are studied in order to make the connection of the past to the present.

### **Math 8 (1)**

This course is a Pre-Algebra course focusing on the Common Core Standards. Objectives include: calculations with rational and irrational numbers, analyzing expressions and functions, basic geometry with transformations, statistics and probability.

### **High School Algebra 1 (1)(Teacher Recommendation)**

Algebra is a one year course that presents the fundamental concepts of Algebra. Enrollment is based on teacher recommendation and Math 7 grades. Material covered will be in-line with the State Merit Curriculum standards. Evaluation will be based on homework assignments, quizzes, and chapter tests. This course will satisfy the Algebra requirement for 9th grade.

### **Physical Education 8 (½)**

This semester course emphasizes daily physical activity (running and stretching). Students are taught various sports skills to help them compete in a variety of teams sports. Students must suit up for class, display good sportsmanship, and actively participate in class to be successful.

### **French 1 (1)**

This course teaches the fundamentals of the French language. The class will stress good pronunciation and conversational skills and give students an understanding of basic French grammar. If a “C” or better is achieved in French I, students will be issued a “P” for Pass on the high school transcript and will earn one high school credit toward the foreign language graduation requirement.

### **French 2 (1)**

French 2 will begin with a review of all important material covered in French 1. French 2 is a continuation of French 1 with emphasis on developing listening and speaking skills. Some short readings are introduced, and students are encouraged to speak in French as much as possible. The exploration of the culture of French speaking people is continued in this class. Audio-visual materials are used in order to provide students with the opportunity to improve their language skills. **recommendation from the MJH French teacher.**

### **Spanish 1 (1)**

Spanish I is a basic course designed to give students a general understanding of fundamental Spanish. This course will encourage the development of language skills which include listening, speaking, reading, and writing. If a “C” or better is achieved in Spanish I, students will be issued a “P” for Pass on the high school transcript and will earn one high school credit toward the foreign language graduation requirement.

### **Spanish 2 (1)**

Spanish 2 reviews and builds on the foundations learned in the first year. Students are encouraged to speak Spanish in class as much as possible. Supplemental reading is used to increase students’ comprehension of the Spanish language and culture. Audio-visual aids are used to enhance the students’ foreign language experience. **recommendation from the MJH Spanish teacher.**

### **Band 8 (1)**

Band is a continuation of the skills learned in 7th grade band. Band meets every day. Students will perform 2-3 evening concerts. Home practice is necessary

### **Choir (1)**

This is a year long course for any 7th or 8th grade student who would like to sing and improve his/her vocal music skills. Study focuses primarily on performance preparation. Each student will learn the basic elements of breathing, posture, vocal production, theory and sight-reading music. By learning and performing vocal ensemble numbers, students gain skills in breathing, the care and cultivation of a beautiful tone, improved mental and physical confidence, team spirit, and responsible rehearsal habits. All concerts are required to receive full credit for the class.

### **Art 8 (½)**

Art 8 is an introductory art class designed to give students opportunities to sample a variety of materials and processes. Drawing, painting, sculpture, and printmaking will be explored; as well as graphic arts. Projects are designed to teach students technique, the elements of art, and principles of design. In this class, students will be encouraged to express their creativity.

### **Robotics/STEM 1 (½)**

Robotics/STEM class will focus on skills needed to be successful in STEM (Science, Technology, Engineering and Mathematics) careers. It will introduce students to skills such as sketching, drafting software, measurement, teamwork, problem solving, reading diagrams, coding and meeting criteria. This will be accomplished by class discussion, research, homework, and projects using everyday objects and some not everyday objects. This class is an interactive, hands-on class.

### **Robotics/STEM 2 (½)**

Robotics/STEM class will focus on skills needed to be successful in STEM (Science, Technology, Engineering and Mathematics) careers. Students will continue to use skills such as sketching, drafting software, measurement, teamwork, problem solving, reading diagrams, coding and meeting criteria. This will be accomplished by class discussion, research, homework, and projects using everyday objects and some not everyday objects. This class is an interactive, hands-on class.

### **Advanced Physical Education (½)**

Advanced P.E. will include some team and individual sports. It will be more physically demanding than regular gym class. Team sports include: basketball, lacrosse, wrestling, outdoor hockey, broomball, dodgeball, softball, and football. Individual life sports may include: triathlons, golf, and snowshoeing. Competitions could be: 40 yard dash, vertical jump, weight lifting, obstacle course. Skills: free throws, 3-pointers, passing, and kicking, etc.

### **Keyboarding (½)**

Keyboarding Applications is a semester long class designed to provide an opportunity to learn to touch type on the computer keyboard using correct techniques as well as the development of speed and accuracy. Students will be introduced to the formatting of personal and business letters, and tables

### **Creative Arts (½)**

Creative Arts is a course that combines Drama, Creative Writing, Literature Circles, and a variety of hands-on projects. In the drama sections of the course, the students will interpret literature and put on skits in the classroom. Also they will be putting on a play for the entire student body, as well as parents. During the creative writing section of the class, students will be introduced to a variety of different writing styles. They will have the opportunity to publish their work in a literary magazine that they will design, illustrate, edit, and publish. The Literature circles portion of the class will involve selecting, reading, and discussing at least three novels during this section. The elements of fiction will be reinforced and we will get more in depth with our discussions. There will also be an art section. We will be doing a number of hands-on, creative projects that will reinforce the lessons we are covering.

### **Current Events (½)**

This course follows the important events in the world as they are now happening. Newspapers, news magazines, radio and television are used to gather information. A maximum of one credit may be earned in World Affairs. Quizzes, map quizzes, essays, a debate, and unit tests are major grading components for the course.

### **Guided Studies (1)**

This is a class to help students get their homework done. If they don't have any homework, they will be expected to do Accelerated Reading. Grades are Pass/Fail. Students are expected to achieve three accelerated reading points.

# MHS OFFERING BOOK

## GRADUATION REQUIREMENTS

Twenty-four (24) credits and 8 semesters for attendance are required for graduation, with these specific requirements.

### State of Michigan & MHS Core Requirements

- 4 credits of English Language Arts: 1 credit of English 9, 1 credit of English 10, English 11, OR College Prep English 1, PLUS an additional English credit in the Senior year.
- 4 credits of Math: 1 credit each of Algebra 1, Geometry, Algebra 2, PLUS 1 math or math-related credit in the Senior year. OPTION 1: Formal CTE Program that teaches Algebra II assessed benchmarks on the MME.
- 3 credits of Science: 1 credit of Physics 9, 1 credit of Biology, 1 credit of an elective Science credit (Chemistry, CP Physics, Anatomy & Physiology, Integrated Science, Environmental Science, Advanced Animal Biology) OPTION 1: Formal CTE Program or Curriculum
- 3 credits of Social Studies: 1 credit of World History/Geography, 1 credit of U.S. History ½ credit Government, ½ credit Economics
- 2 credits of Foreign Language (These credits may be earned at the 7th/8th grade level) OPTION 1: 1 credit of a Foreign Language and 1 credit by completing a department approved formal CTE Program or Curriculum OPTION 2: 1 credit of a Foreign Language and 1 credit Visual, Performing or Applied Arts, ASL - (Meets the MI Merit curriculum)
- ½ credit of Essential Health (9th grade recommended)
- ½ credit of Physical Education (9th grade recommended) OPTION 1: ½ credit extracurricular or related physical activity
- 1 credit of Visual, Performing, or Applied Arts
- Online Learning-Integrated Learning Experience within the MHS/MJHS course curriculum

In addition to the above credit requirements, all students are required to complete all required state tests. Exception to this requirement may be made by the Principal after consultation with the Superintendent.

### ADMISSION REQUIREMENTS FOR COLLEGES & UNIVERSITIES

Students applying for admission into 4-year programs at most Colleges and Universities must have completed the following required courses to be eligible for “regular” admission: **SOME COLLEGES WILL NOT ACCEPT CTE COURSES AS YOUR MATH CREDIT**

- 4 credits of English

- 4 credits of Mathematics including Algebra 2 (excluding math-related courses)
- 3-4 credits of Social Studies

- 3-4 credits of Biological/Physical Sciences
- 2-3 credits of Foreign Language
- 2 credits of fine or Performing Arts

### **ARTICULATED PROGRAMS WITH COLLEGES**

Many of the 2-hour Vocational/Technical courses at MHS have articulation agreements with area colleges which may allow students to earn college credits after successful completion of the MHS coursework and with the teacher's recommendation.

- CTE ACCOUNTING AND FINANCE: Bay College - Escanaba, NMU, NWTC Mar/GB
- CTE AUTOMOTIVE TECHNOLOGY: Bay College, Escanaba, NWTC-Mar/GB ● CTE BUSINESS & ADMINISTRATIVE: NMU, NWTC- Mar/GB
- CTE HEALTH OCCUPATIONS: Bay College - Escanaba
- CTE HOSPITALITY & FOODS: NMU
- CTE MACHINE TOOL: Bay College - Escanaba

### **EARNING A HIGH SCHOOL CREDIT IN JR. HIGH**

Junior High School 7th and 8th grade students may take a Foreign Language or Algebra 1 class for High School credit. A grade of "P" for "passing" will appear on their Menominee High School transcript upon successful completion of the course. High School credit will be issued to the student.

### **WORK-BASED LEARNING PROGRAM (WBL)/COOPERATIVE EDUCATION (COOP)**

The Work-Based Learning (WBL) program provides students a unique opportunity to explore and develop skills in their career area of interest by engaging in a personally developed training plan in conjunction with their CTE class and a relevant work environment. The Work Based Learning (WBL) program is open to students in grade 12 who are currently enrolled in a two hour Career and Technical Education (CTE) program and also students in grade 11 who are enrolled in the second year of a CTE program. Students must be available for employment in an entry level position related to both their CTE class and their career employment goals as evidenced by their Educational Development Plan (EDP). WBL students are required to provide regular documented evidence of their worksite training through employment and they must also check in regularly with the WBL coordinator. Students enrolled in the Work-Based Learning program may be eligible to earn one credit per semester. Enrollment into the Work Based Learning program may be open throughout the school year provided the student meets all the requirements as stated in the training agreement and training plan.

### **5TH YEAR OF HIGH SCHOOL FOR COMPLETION OF GRADUATION REQUIREMENTS**

Menominee High School expects students to complete high school in four years. In certain instances, some students require additional time (semesters) to earn the required credits for graduation. If a student does not meet all graduation requirements by the end of his/her fourth year in high school, the option does exist for a student to return to Menominee High School for a ninth and, if needed, a tenth semester on a case by case basis. Any 5<sup>th</sup> year student is only able to return under the following criteria:

**The student must sign a contract indicating s/he will be returning to Menominee High School the following summer or fall to complete the requirements for a high school diploma.**

- **A written plan resulting in the earning of a high school diploma is developed and agreed to by the student, parent, and administration prior to the start of the 5<sup>th</sup> year.**
- **The student is not older than 20 years of age by Sept. 1<sup>st</sup> of the start of the 5<sup>th</sup> year.**
- **The student has demonstrated recent academic progress toward graduation (to include good attendance and disciplinary records)**

Once a student completes all graduation requirements in a 5<sup>th</sup> year program, the student is no longer eligible to continue attending school. A student may NOT return for a 6<sup>th</sup> year of school at Menominee High School. In certain instances, these criteria may not apply to a student receiving special education services.

## CAREER AND TECHNICAL EDUCATION

### CREDITS TYPE COURSE

1-2 Credits Elective A student enrolled in any CTE course 1 Credit Visual/Applied Arts A student enrolled in any CTE course 1 Credit 4th Year of Math Senior enrolled in a yearlong CTE course 1 Credit 3rd Year of Science A student enrolled in a yearlong CTE course 1 Credit 2nd Year of Foreign Language A student enrolled in a yearlong CTE course 1 Credit Technical Math (Algebra II) A student with a PC and/or enrolled in a CTE course with technical Math

***SOME COLLEGES WILL NOT ACCEPT A CTE COURSE FOR A MATH, SCIENCE REQUIREMENT.  
SOME COLLEGES WILL NOT ACCEPT CTE FOR NCAA ELIGIBILITY***

### COURSES THAT FULFILL VISUAL, PERFORMING, OR APPLIED ARTS REQUIREMENTS Or APPROVED CTE COURSE

**2 semester long classes OR 1 full year class from the following:**

#### APPLIED PERFORMING VISUAL

Intro to Culinary (.5) Band (1) Art (1)  
Independent Living (.5) Choir (1) ASL 1,2,3  
Parenting 1 & 2 (.5)

Nutrition & Foods (.5)  
Student Leadership (1)  
Princ. Of Design (.5)  
Teacher Cadet 1 or 2 (1)

***SOME COLLEGES WILL NOT ACCEPT A CTE COURSE FOR A MATH, SCIENCE REQUIREMENT.  
SOME COLLEGES WILL NOT ACCEPT CTE FOR NCAA ELIGIBILITY***

---

**COURSES THAT FULFILL A SENIOR MATH CREDIT (TAKEN IN THE STUDENTS SENIOR YEAR)**

**1- HOUR COURSE 2- HOUR COURSE**

Accounting CTE Automotive  
College Prep Physics CTE Welding  
Chem 2 CTE Hospitality and Foods 1 or 2 Nutrition and Foods CTE Health Occupations 1 or 2  
CTE Accounting

***SOME COLLEGES WILL NOT ACCEPT A CTE COURSE FOR A MATH, SCIENCE REQUIREMENT.  
SOME COLLEGES WILL NOT ACCEPT CTE FOR NCAA ELIGIBILITY***

## **MENOMINEE HIGH SCHOOL COURSE OFFERINGS**

**ENGLISH PHYSICAL EDUCATION/HEALTH** English 9 Essential Health (9,10,11,12) English 10  
P.E. 1(9) English 11 P.E. 2 (10,11,12)  
CP English 1 (11) P.E. 3 (11,12) CP English 2 (12) Advanced Maroon Grit ( 10,11,12) Journalism (12)  
Speech and Debate (12) **FOREIGN LANGUAGES** Literature through Film (12) Spanish I (9,10,11,12)  
French I (9,10,11,12) Science Fiction/Supernatural Lit.(12) Spanish II (10,11,12) French II(9,10,11,12)

**MATHEMATICS** Spanish IV (11,12) French IV(11,12) Algebra 1 (9) Spanish V (12) French V(12) Geometry  
(9,10) ASL 1 (9,10,11,12)

College Prep Geometry (9,10,11,12) ASL 2 (10,11,12) Algebra 2 (10,11,12) ASL 3 (11,12) Algebra 2A &  
2B (11,12)

Algebra 2C & 2D (12) **VISUALARTS**

Trig & Analytic Geometry (11,12) Art 1 (9,10,11,12)

Pre-Calculus (11,12) Art 2 (10,11,12)

Senior Applied Math (12) Art 3 (11,12)

Art 4 (12)

**SCIENCE SOCIAL STUDIES**

Physics (9) World History (9) Biology (10,11) U.S. History (10)

Advanced Animal Biology (11,12) Accelerated U.S. History (10) Integrated Science  
(11,12) Economics (11)

Chemistry (11,12) Government (11)

Chemistry 2 (12) World Affairs (11,12)

Anatomy & Physiology (11,12) Psychology (11,12)

CP Physics (11,12) Sociology (11,12)

Environmental Science (12)

High School Robotics (9,10,11,12) **FAMILY SCIENCE**

Intro to Computer Science (9,10,11,12) Principles of Design (9,10,11,12) Computer Science 1  
(10,11,12) CTE Independent Living (10,11,12) Computer Science 2 (11,12) CTE Parenting 1  
(10,11,12) CTE Parenting 2 (10,11,12)

CTE Teacher Cadet 1 (11,12)

CTE Teacher Cadet 2 (12)

**CONSUMER SCIENCE**

Intro to Health Occupations (10,11,12)  
CTE Health Occupations 1 (11,12)  
CTE Health Occupations 2  
CTE Cosmetology 2 (10,11,12)

**HOSPITALITY AND FOODS**

CTE Intro to Culinary Arts (9,10)  
Nutrition and Foods (10,11,12)  
CTE Hosp. and Foods 1 (11,12)  
CTE Hosp. and Foods 2 (12)

**BUSINESS EDUCATION**

Principles of Bus. (9,10,11,12) Personal Financial Literacy (9,10,11,12) Intro to Accounting (9,10,11,12) CTE Business Administration I (10,11,12) CTE Computer Applications (9,10,11,12) CTE Business Administration II (11,12) CTE Accounting (9,10,11,12) CTE Business Administration III (12) CTE Advanced Acct. (10,11,12) CTE College Acct. (11,12)

**PERFORMING ARTS**

Band (9,10,11,12)  
Choir (9,10,11,12)

**ELECTIVE**

Peer-to-Peer Mentoring (11,12)

**SPECIAL EDUCATION**

Individual Studies (9,10,11,12)

**CAREER/TECHNICAL EDUCATION**

CTE/Pre-Engineering (9,10,11,12)  
CTE Machine Tool 1 (10,11,12)  
CTE Machine Tool 2 (11,12)  
CTE Welding (10,11,12)  
CTE Advanced Auto (11,12)  
CTE Automotive (10,11,12)

## 2020-2021 Schedule Request Form

**Must have this filled out before your individual scheduling meeting.**

1st Semester 2<sup>nd</sup> Semester

- |          |          |
|----------|----------|
| 1. _____ | 1. _____ |
| 2. _____ | 2. _____ |
| 3. _____ | 3. _____ |
| 4. _____ | 4. _____ |
| 5. _____ | 5. _____ |
| 6. _____ | 6. _____ |
| 7. _____ | 7. _____ |

Students must choose 7 classes and select 2 alternates.

**Alternates:** (Required- You must choose two classes you would be willing to take if your top choices do not work in your schedule.)

1. \_\_\_\_\_
2. \_\_\_\_\_

### **High School Graduation Requirements**

To graduate, a student must earn 24 academic credits  
(1 credits = 1 full year class: .5 credits = 1 semester class)

- 7.0 credits = sophomore status
- 14.0 credits = junior status
- 21.0 credits = senior status
- 24.0 credits are required for graduate status

Students will be required to complete a minimum of:

- English/Language Arts: 4 credits
- Mathematics 4 credits (Algebra I, Geometry, Algebra II and a math-related course during 4th year of high school)
- Science 3 credits (including Physics, Biology, Chemistry or Integrated Science) → Social Studies 3 credits (including U.S. History/Geography, World History/Geography, .5 Economics and .5 Government)
- Health /Physical Education 1 credit (.5 credit in Health, .5 credit in PE) OR participation in Band or participation in an athletic team.
- Visual, Performing or Applied Arts 1 credit
- Foreign Languages 2 credits (Can replace 1 credit with an additional

VPAA credit) Total credits for graduation 24 credits

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

### **ENGLISH LANGUAGE ARTS**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

#### **ENGLISH 9 CREDIT: 1 GRADE 9 This course is required for all freshmen.**

The course of study will emphasize skills in language conventions (grammar and usage, spelling, mechanics), vocabulary, writing skills, and library techniques. Formal oral presentations as well as written composition will be required, culminating in the writing of a research paper. Reading skills will be emphasized in daily and outside reading activities. The methods of evaluation will be written tests, daily exercises, written compositions, and class participation.

Course requirements include completion of speech and research paper.

#### **ENGLISH 10 CREDIT: 1 GRADE 10 This course is required for all sophomores.**

The course of study will emphasize skills in language conventions (grammar and usage, spelling, mechanics), vocabulary, writing skills, and library techniques. Formal oral presentations as well as written composition will be required, culminating in the writing of a research paper. Reading skills will be emphasized in daily and outside reading activities. The methods of evaluation will be written tests, daily exercises, written compositions, and class participation.

Course requirements include completion of speech and research paper.

#### **COLLEGE PREP ENGLISH 1 CREDIT: 1 GRADE 11,12**

**Prerequisite: A grade of B- or better in English 2 and/or teacher approval.** This course is designed for 11th grade students who plan to pursue a 4-year degree in college. The emphasis will be placed on reading and writing. Reading will center on American Literature. Composition will stress expository papers and research skills, as well as a research paper. Students will be evaluated on the basis of class participation, tests, and oral and written work. Course requirements include completion of speech and research paper.

#### **ENGLISH 11 CREDIT: 1 GRADE 11 This course is required for all juniors not taking College Prep 1.**

This is a required course for 11<sup>th</sup> graders who do not take College Prep English 1. Students will study American writers who have made significant contributions to our American literary heritage. In addition, there will be an emphasis on skills in language conventions (grammar and usage, spelling, mechanics), vocabulary, writing skills, and library techniques. Formal oral presentations as well as written composition will be required, culminating in the writing of a research paper. Reading skills will be emphasized in daily and outside reading activities. The methods of evaluation will be written tests, daily exercises, written compositions, and class participation. Course requirements include completion of speech and research paper.

**COLLEGE PREP ENGLISH 2 CREDIT: 1 GRADE 12** **Prerequisite: College Prep. English1.** This course is for 12th grade students who plan to pursue a 4-year degree in college. The emphasis will be placed on reading and writing. Reading will center on world literature. Composition will stress literary analysis, expository papers, and research skills for the development of a research paper. Students will be evaluated on the basis of class participation, tests, and oral and written work. Course requirements include completion of speech and research paper.

**JOURNALISM CREDIT: ½ GRADE 12** This course is designed to introduce students to the fundamentals of journalism. Areas of study include journalistic terminology and writing techniques, gathering and disseminating news, feature and editorial writing, advertising, and mass media. Extensive research and writing will be required of all students. Evaluation is based on written work, tests, oral presentations, and performance in class.

**SPEECH AND DEBATE CREDIT: 1 GRADE 12** **Course Note: 11<sup>th</sup> graders may take this course with prior teacher approval.** This course is an overview of various speech experiences which will help improve students' communications skills and how to use resources correctly when trying to develop an argument. Most work is oral with listening being a major part of the classroom experience as well. Various types of communication activities are covered, such as prepared informative, persuasive, and broadcasting, plus many impromptu speeches. Several group activities such as discussion and interviews are also studied. The students will be involved in many oral classroom debating situations that will train them to think spontaneously about typical subjects for argument, to develop keen listening skills, and to apply research analysis for supporting arguments. The student is evaluated primarily on the basis of his/her improvement in preparation, delivery and listening techniques, as well as research, tests, and oral presentations.

**LITERATURE THRU FILM CREDIT: ½ GRADE 12** **Course Note: 11<sup>th</sup> graders may take this course with prior teacher approval.** This course will meet the necessary academic requirements for the 12<sup>th</sup> grade English credit. Focus will be given to film as a contemporary form of the narrative through genre study including but not limited to, horror/suspense, British Literature, Shakespeare, non-fiction, and short story. Students will be evaluated based on active participation in discussion, journal writing, written film reviews, oral presentations, quizzes, papers, and exams.

**SCI-FI/SUPERNATURAL LIT CREDIT: ½ GRADE 12** **Course Note: 11<sup>th</sup> graders may take this course with prior teacher approval.** This course is designed for seniors who have average reading skills and a desire to read novels and short stories in Science Fiction and Supernatural genres. The class will strive to improve reading, writing, and listening skills and to encourage

independent and critical thought. All students will be evaluated on the basis of their participation in discussion and other class activities, tests, written work, and oral presentation.

## **MATHEMATICS**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**ALGEBRA 1 CREDIT: 1 GRADE 9,10** Algebra 1A/1B is a one-year algebra course that presents the fundamental concepts of algebra. Material covered will be in line with the common core standards. Evaluation will be based on daily homework assignments, quizzes, and chapter tests.

### **GEOMETRY CREDIT: 1 GRADE 10,11,12 Prerequisite: Algebra 1A & 1B**

This course is plane geometry with emphasis on construction and informal proofs. Discovering relationships and solving problems related to triangles, circles, polygons, and parallel and perpendicular lines will be emphasized. This course will meet common core standards. Evaluation will be based on homework assignments, frequent quizzes, and tests.

**COLLEGE PREP GEOMETRY CREDIT: 1 GRADE 9,10,11,12 Prerequisites: Algebra 1A & 1B with a C average or higher, or teacher approval.** An integrated course in plane and solid geometry that meets common core standards. Students will learn many facts about geometric figures such as triangles, parallelograms, circles, cones, prisms, etc. Students will also get training and practice in the logical methods of mathematical thinking. Students will have daily homework assignments, frequent quizzes and chapter tests. Material covered will be in line with the common core standards.

**ALGEBRA 2 CREDIT: 1 GRADE 10,11,12 Prerequisite: Algebra I and Geometry.** Algebra 2 reinforces and extends the topics of Algebra 1 and is a requirement, in line with common core standards. There will be daily homework assignments and frequent quizzes along with chapter tests. It is highly recommended that students take the Geometry or C.P. Geometry class before taking the Algebra 2 course. Calculators are recommended. This course may be taken concurrently with College Prep Geometry with teacher recommendation.

### **ALGEBRA 2A/2B CREDIT: 1 GRADE 11,12 Prerequisite: Algebra I and Geometry.**

Algebra 2 reviews concepts of Algebra 1 and is a requirement of the common core standards in math. There will be daily homework assignments and frequent quizzes along with chapter tests. Calculators are recommended. This course is the first year of a two year sequence course in Algebra 2. In order to meet the state curriculum requirement for Algebra 2, the student must take Algebra 2A & 2B and 2C & 2D. Current Math instructor, special education instructor, or administrator approval is needed for a student to enroll in this course.

**ALGEBRA 2C/2D CREDIT: 1 GRADE 12 Prerequisite: Algebra 2A & 2B.** This is the second year of the two-year Algebra 2 course. It is a requirement of the common core standards in math. There will be daily homework assignments and frequent quizzes along with chapter tests. Calculators are recommended. Current math instructor, special education instructor, or administrator approval is needed for a student to enroll in this course.

**TRIG & ANALYTICAL GEO CREDIT: 1 GRADE 11,12 Prerequisites: Algebra 2 & College Prep Geometry.**

**Prerequisite of a C or better in CP Geometry or teacher recommendation** For the college bound student who wants or needs more mathematics for their career choice. Topics emphasized are expanded Trigonometry and Analytic Geometry standards of the common core. Evaluation is based on quizzes, tests, activities and projects. This class is an especially important preparation for calculus. Student-owned calculators are recommended.

**PRE-CALCULUS CREDIT: 1 GRADE 11,12 Prerequisite: Trig & Analytic Geometry.**

The fifth course in the pre-college sequence in math, which provides a unique opportunity for high school students. Advanced topics of precalculus are studied in detail. The course reviews some topics of algebra and expands on this material. If time allows, topics of logic, probability and statistics, and calculus will be covered. Evaluation is based on homework, quizzes, periodic tests, and a semester project. Calculators are highly recommended.

**SENIOR APPLIED MATH CREDIT: 1 GRADE 12 Prerequisites: Algebra 1, 2, and Geometry**

Senior Applied Math is a course that integrates hands on laboratory activities, cooperative learning, along with text materials to teach important math concepts by emphasizing problem-solving and decision making through various workplace applications. The activities provide opportunities for students to investigate, construct, and apply algebra and geometry, as well as trigonometric and logarithmic principles through concrete experiences.

**SCIENCE**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**PHYSICS CREDIT: 1 GRADE 9** Physics is the introductory high school science course designed to cover the essential concepts recommended by the state curriculum. Physics concepts covered include energy, motion, force, heat, waves: light and sound, electricity and magnetism. Evaluation will include class-work, homework, projects, labs, tests and quizzes.

**BIOLOGY CREDIT: 1 GRADE 10** Biology will provide a fundamental overview of the chemical composition of life, cell structure and protein synthesis, genetics and classification with a preview of the major Phyla, and energy transfer and use. Students will be graded on tests, projects, labs, quizzes and daily assignments.

**ADVANCED ANIMAL BIO CREDIT: ½ GRADE 11,12 Prerequisite: Biology.**

This course is intended to provide an in depth study of animal phyla from the least complex to the highest animals. Evaluation will be based on dissections, laboratory work, research papers, quizzes and tests.

**ANATOMY & PHYSIOLOGY CREDIT: 1 GRADE 11,12 Prerequisites: Biology; Chemistry recommended.**

Study of the human body systems. This course includes an in depth study of the skeletal and muscular systems. This course is offered to those students whose main interests are primarily in the health sciences. The course is especially helpful to medical disciplines, nursing and other human medical careers. Students will be tested on a regular basis. Class requires much memory work and dissection work.

**CHEMISTRY 1 CREDIT: 1 GRADE 11,12 Prerequisite: Algebra I.**

Scientific calculator is highly recommended. Chemistry 1 will provide the fundamental experiences and concepts which are essential and core to understanding Modern Chemistry. Group laboratory sessions will be scheduled to enhance comprehension in a variety of sections. Students will be graded based on tests, homework, lab work, and quizzes.

**CHEMISTRY 2 CREDIT: 1 GRADE 12 Prerequisite: Chemistry 1 with “C” or higher & Algebra.**

Scientific calculators are highly recommended. Chemistry 2 is primarily for the college-bound student who is preparing for Pre-med, engineering or any field of endeavor which requires Freshman Chemistry in college. Special emphasis on college concepts of learning will be experienced. Many hours in the laboratory will be an integral portion of Chemistry 2. Students will be graded based on tests, lab work, homework and quizzes. **This course meets the Michigan Merit Curriculum requirements as Math-related credit.**

**COLLEGE PREP PHYSICS CREDIT: 1 GRADE 11,12 Prerequisites: 2 years science and Algebra 2.**

College Prep. Physics is recommended for the college bound student or for any career area involving problem solving. Course emphasis is placed on activities to develop physics concepts. Areas covered include mechanics, heat, waves, sound, optics, and electricity. If time permits optional areas include magnetism, atomic physics and student interest concepts. Evaluation consists of homework, lab activities, quizzes, group construction projects, tests and quarterly projects. Calculators are highly recommended. **This course meets the Michigan Merit Curriculum requirements as Math-related credit.**

**INTEGRATED SCIENCE CREDIT: 1 GRADE 11,12** Integrated Science is a course designed to fulfill the 3rd science credit needed to complete graduation requirements. The course will provide a review of science topics covered in 8th, 9th and 10th grades to help prepare a student for the ACT/MME test taken by all juniors. The topics covered in the course include physics: motion, waves and energy; chemistry: atoms, bonding and reactions; earth science: weather, astronomy, and rocks; and biology: plants, animals, humans, and interactions between living and non-living aspects of the environment; and a review of science related skills. The work done in the course is a mix of written homework, notes, tests, quizzes and projects.

**HIGH SCHOOL ROBOTICS CREDIT: 1 GRADE 9,10,11,12** Robotics/STEM class will focus on skills needed to be successful in STEM (Science Technology, Engineering, and Mathematics) careers. Course will introduce students to skills such as sketching, measurement, teamwork, problem solving, reading diagrams, and meeting criteria. This will be accomplished by class discussion, projects using everyday objects, and some not everyday objects. This class will be very interactive, hands on, and group work bases. Students will also see and drive robots used in competitions, underwater robots (ROV's), raspberry Pi's, arduinos, and other technology.

**INTRO TO COMP. SCIENCE CREDIT: 1 GRADE 9,10,11,12 Prerequisite: Completion of Algebra 1**

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses. Students will be introduced to programming via a blended course with online and classroom components. This course uses Python.

**COMPUTER SCIENCE 1 CREDIT: 1 GRADE 10,11,12 Prerequisite: Intro to Computer Science**

CSA is a full-year AP course geared towards 11th-12th graders who are serious about programming. Java requires a good mathematical background and strong problem-solving skills. The course will prepare students for the Advanced Placement Computer Science exam, level A. Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. Computer Science A teaches object oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem-solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. Students will continue to work in computer programming via a blended course with online and classroom components

**COMPUTER SCIENCE 2 CREDIT: 1 GRADE 11,12 Prerequisite: Intro to Computer Science/Comp Science 1**

Students will continue to work in computer programming via a blended course with online and classroom components. This class uses HTML

**ENV. SCIENCE (ENVSCI 102) CREDIT: ½ (POSS 3 CREDITS) GRADE 11,12** This course

is an accelerated environmental science course with emphasis on a collegiate style of learning. The textbook Environmental Science by G. Tyler Miller, 14ed will be used. Seventeen chapters will be covered during the one semester course. The course requires the student to read a minimum of one chapter a week and there will be weekly quizzes on the associated vocabulary. Also, points may be accumulated by participating in in-class activities. The majority of the points will be gathered through five 100 point multi-chapter exams which will include a comprehensive final. **Topics covered include:** Environmental Problems, Energy, Ecosystems, Biodiversity, Human Population, Climate, Resource Management, Water Resources and Pollution, Geology and Nonrenewable Minerals, Environmental Hazards and Human Health, Air Pollution and Ozone Depletion, Solid and Hazardous Waste and Environmental Economics, Politics and Worldviews. **Course objectives include:** 1. Becoming versed in general vocabulary and concepts related to ecology and biodiversity. 2. Learning about sustainability and discussing solutions to preserve the natural world in an industrial age. 3. becoming more aware of the impact of ecosystems on you personally and your impact on ecosystems. See instructor for a copy of the syllabus. **Open to juniors with instructor permission.**

## **SOCIAL STUDIES**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**WORLD HISTORY CREDIT: 1 GRADE 9** A general survey course covering the Ancient World, the Middle Ages, the great wars and revolutions, and the development of modern nations. The histories of various regions of the world will be studied as a foundation for understanding their relationship to the evolution of our country. Daily assignments and chapter tests will be required. A geography component will be incorporated in all history lessons.

**U.S. HISTORY CREDIT: 1 GRADE 10** This general survey course examines American history from the post-civil war era to the present. A textbook will be used and content notes from various sources will be projected on a large screen and discussed. Accessible tests, quizzes, quarterly projects, and textbook assignments will be used to evaluate students. A geography component will be incorporated in all history lessons.

**ACCELERATED HISTORY CREDIT: 1 GRADE 10** **Prerequisite: Grade of A- or higher in World History/Geography and a minimum of 3.5 overall G.P.A.**

Accelerated U.S. History/Geography will involve a more in-depth study of American History for the college bound student. A wide variety of perspectives will be presented involving analysis, documentation, synthesis, and reaching a conclusion based on evidence. Other activities will include: historical simulations, a propaganda project, and other activities designed to stimulate critical thinking. Classroom discussion will be encouraged. A college level textbook will be used and content notes from various sources will be projected on a large screen and discussed. Tests will be a major part of a student's grade. Challenging tests (in scope and sequence) will involve matching, short answers, and essay questions. 1865 to Present

**WORLD AFFAIRS CREDIT: ½ OR 1 GRADE 11,12** A course that follows the important events in the world as they are now happening. Newspapers, news magazines, radio and television are used to gather information. It will include the historical background of U.S. and world affairs in the area of political, social and economic events. A maximum of one credit may be earned in World Affairs. Quizzes, map quizzes, essays, a debate, and unit tests are major grading components for the course.

**ECONOMICS CREDIT: ½ GRADE 11,12** This class conveys the basic principles of macro and micro economics. A textbook will be used and content notes from various sources will be projected on a large screen and discussed. Tests, quizzes, quarterly projects, and textbook assignments will be used to evaluate students. The unit themes we will study include: **INTRODUCTION TO ECONOMICS, HOW MARKETS WORK (INTRO TO MICROECONOMICS), BUSINESS AND LABOR, MONEY, BANKING AND FINANCE, MEASURING ECONOMIC PERFORMANCE (INTRO TO MACROECONOMICS), GOVERNMENT AND THE ECONOMY, THE GLOBAL ECONOMY.** Money management, banking, international trade, marketing goods and services, and understanding how economies work are some of the main features of economics.

**GOVERNMENT CREDIT: ½ GRADE 11,12** The United States was founded on certain basic principles put forth in the Constitution. We will examine the principles of the Constitution in depth. We will also study the executive, legislative, and judicial branches of the federal government, state governments, and municipalities. A textbook will be used and content notes from various sources will be projected on a large screen and discussed. Evaluation will be by tests, projects, quarterly projects, and textbook assignments.

**PSYCHOLOGY CREDIT: ½ GRADE 11,12** Psychology is the scientific study of behavior and mental processes. This course examines the biological, psychological and environmental influences on human behavior and thought processes. Topics discussed include psychological methods and perspectives, biology and behavior, sensation and perception, states of consciousness, learning, memory, human development, motivation and emotion, social interaction and psychological disorders as well as the development of personality. Students will be encouraged to apply psychology concepts to their own lives. Evaluation is by tests, research topics, and cooperative learning projects. Topics taught through the use of activities, videos, lectures, readings, and self-inventories.

**SOCIOLOGY CREDIT: ½ GRADE 11,12** Sociology examines how the environment affects human behavior. We will delve into the impact that different external factors have on how individuals and groups behave. Sociology includes the study of culture, social status, social control, social change, marriage and family, cults, the socialization process, teen issues, minority groups, and religious and ethical ideals. A textbook will be used and content notes from various sources will be projected on a large screen and discussed. This class is heavily dependent on class discussion. Discussion is not required but it is strongly encouraged. Evaluation will be by tests, projects, quarterly projects, and textbook assignments.

### **FOREIGN LANGUAGE**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**FRENCH 1 CREDIT: 1 GRADE 9,10,11,12** This course teaches the fundamentals of the French language. The class will stress good pronunciation and conversational skills and an understanding of basic French grammar. You will study some of the fascinating cultures and traditions of the French speaking people. Many audio visual aids are used to enhance the students' foreign language experience.

**FRENCH 2 CREDIT: 1 GRADE 9,10,11,12 Prerequisite: Successful completion of French 1; 9<sup>th</sup> graders also need a recommendation from the MJH French teacher.** French 2 will begin with a review of all-important material covered in French 1. French 2 is a continuation of French 1 with emphasis on developing listening and speaking skills. Some short readings are introduced, and students are encouraged to speak in French as much as possible. The exploration of the culture of French speaking people is continued in this class. Audio-visual materials are used in order to provide students with the opportunity to improve their language skills.

**FRENCH 3 CREDIT: 1 GRADE 10,11,12 Prerequisite: Grade of C or higher in French 2**

**or teacher approval.**

French 3 begins with a review of the more important points of grammar and vocabulary. This class is conducted entirely in French. This class continues with the study of more advanced grammar, with an emphasis on listening and speaking skills. Students will begin to read French literature and will continue their discovery of art and culture. Audio-visual aids will be used to increase students' exposure to authentic French language.

**FRENCH 4 CREDIT: 1 GRADE 11,12 Prerequisite: Grade of C or higher in French 3 or teacher approval.**

French 4 will continue the study of advanced grammar, vocabulary and literature. This class is conducted entirely in French. The improvement of reading, writing, listening, and speaking skills is a major component of this class. Audio-visual aids give students the experience with authentic French language.

**You can also take French 4 through UWGB-MAR: FRE 201 Third Semester French @ High School**

Reviews grammar taught during the first two semesters while adding new material with some stress on idiomatic usage. All four skills (reading, writing, listening and speaking) are practiced, and continued emphasis is placed on acquisition of cultural knowledge. Field trip may be required. Prerequisite: Must have received a C or better in French III and take the Placement Test or FRE 105 or FRE107 or cons. instr. HU. Eight retro college credits will be given to those students who receive a B or better in this class. **(Concurrent Enrollment: College Credit: 4)**

**FRENCH 5 CREDIT: 1 GRADE 12 Prerequisite: Grade of C or higher in French 4 or teacher approved.**

French 5 will continue to improve students' reading, writing, listening, and speaking skills through, cinema, literature, and conversation. This class is conducted entirely in French. Students considering continuing their education in French in college will find this class very beneficial.

**You can also take French 5 through UWGB-MAR: FRE 205 Fourth Semester French @ High School**

Continuation of FRE 201 or FRE 204. Reading, writing, audio/oral practice, cultural insights based on literary texts in French. Field trip may be required.

Prerequisite: Must have received a C or better in French IV and take the Placement Test or FRE 201 or FRE 204 or cons. instr. HU. Twelve retro credits will be given to those students who receive a B or better in this class if you have not already received retro credits for FRE 201.

**(Concurrent Enrollment: College Credit: 4)**

**SPANISH 1 CREDIT: 1 GRADE 9,10,11,12** Spanish 1 is a basic course designed to give the student a general understanding of fundamental Spanish, including listening, speaking, and writing and reading. The interaction of students in the Spanish language is encouraged. Reading is introduced through dialogues and short stories. The culture of Spanish speaking countries is explored through various activities. Audio-visual aids are used in order to enhance the students' foreign language experience.

**SPANISH 2 CREDIT: 1 GRADE 10,11,12 Prerequisite: Successful completion of Spanish 1. 9th graders also need a recommendation from the MJH Spanish teacher.** Spanish 2 reviews and builds on the foundations learned in the first year. Students are encouraged to speak Spanish in class as much as possible. Supplemental reading is used to increase students' comprehension of the Spanish language and culture. Audio

visual aids are used to enhance the students' foreign language experience.

**SPANISH 3 CREDIT: 1 GRADE 11,12 Prerequisite: Grade of C or higher in Spanish 2 or teacher approval.**

In Spanish 3, student's review the more important points of grammar learned in Spanish 2, and begin the study of advanced grammar and vocabulary. Course work includes reading, writing and conversation. Culture is explored through literature, discussion and multimedia resources. Communication in class is in Spanish.

**SPANISH 4 CREDIT: 1 GRADE 11,12 Prerequisite: Grade of C or higher in Spanish 3 or teacher approval.**

This class is conducted entirely in Spanish. Spanish 4 continues the study of advanced grammar and vocabulary. Students will use the language in a daily setting. Students will read noted works of Hispanic and Spanish literature. multimedia aids are used in order to increase students' exposure to authentic Spanish language.

**SPANISH 5 CREDIT: 1 GRADE 12 Prerequisite: Grade of C or higher in Spanish 4 or teacher approval.**

Spanish 5 is a continuation of the study of advanced grammar, conversation, reading and writing skills. The goal of this class is to help students attain greater proficiency and fluency in the language. Class will be conducted entirely in Spanish. Language and culture will be explored through literature, multimedia and discussion. Students considering taking Spanish in college or going into a people-oriented career (medical, legal, business, etc.) will find this class beneficial.

**PHYSICAL EDUCATION**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**P.E. 1 CREDIT: ½ OR 1 GRADE 9** Emphasis will be on team sports and personal fitness in this class. Students will learn the rules and strategies for each team sports during the semester. A high emphasis will be placed on participation, sportsmanship and teamwork with each team sport. The personal fitness and training portion of the class will provide every student with the foundation upon which they can develop their personal fitness or training. The fitness and training programs will seek to cement proper mechanics of all fundamental movements, begin to develop relative strength and mobility, while introducing the concept of capacity.

**P.E. 2 CREDIT: ½ OR 1 GRADE 10,11,12 Prerequisite: P.E. 1 with a C or higher;**

**Instructor Approval if student opted out of PE 1.** Emphasis will be on individual and team sports along with the introduction to weight training during the in this class. Students will learn the rules and strategies for each individual and team sport during the semester. A high emphasis will be placed on participation, sportsmanship and teamwork with each individual and team sports. The primary focus with the introduction to weight training portion of the class will be becoming comfortable with a loaded bar, movement and safety within the weight room. Students will learn the movements gradually and this will help direct training within more advanced programs in the future.

**P.E. 3 CREDIT: ½ OR 1 GRADE 11,12 Prerequisite: P.E. 2/ Weight Training with a C or higher; teacher approval-student opted out P.E.1**

Emphasis will be on individual and life-time sports. Activities include golf, tennis, biking, physical conditioning, racquet sports. Other possibilities are rollerblading and cross-country skiing.

**ADVANCED MAROON GRIT CREDIT: ½ OR 1 GRADE 10,11,12 Prerequisite: 1 Semester of Physical Education with an A or B**

This course is designed to give students the opportunity to learn weight training concepts and techniques for obtaining optimal physical fitness. Students will benefit from comprehensive weight training, and cardiorespiratory endurance activities. Students will learn the basic and advanced fundamentals of weight, strength, aerobic training, and overall fitness training. This course will also include lectures and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

## **MUSIC**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**BAND CREDIT: 1 GRADE 9,10,11,12 Prerequisite: JRHS Band and/or director's approval.**

Symphonic Band is designed to lead band students in the skills and knowledge required in performing and understanding concert and marching band literature. Symphonic Band will be composed of all band members in grades 9, 10, 11, 12. Each student will also be required to be a member of the "Marching Maroons" which perform at all home football games, possible playoff games, the M&M game, and scheduled Pep Band for home girls' and boys' basketball games. The band will also march in approximately three parades a year. Students will also be required to attend band camp in the week of the Waterfront Festival during the summer and possible Monday night rehearsals during the marching season. Evaluation is based on attendance at all rehearsals, performances, and competitions. Students will also be evaluated on individual improvement of playing skills, music concepts, and daily classroom effort/behavior. This course meets the Michigan Merit Curriculum requirements as Performing Arts credit.

## **CHOIR**

**CHOIR CREDIT: 1 GRADE 9,10,11,12 Prerequisite: Open to all students in grades 9, 10, 11, 12.**

All students must be committed to musical excellence. Choir is an ensemble designed to educate students in the correct way to use their voice. Vowel pronunciation, dictation, breathing, and all other vocal techniques will be used to increase each student's sound, maturity, and confidence. Simple as well as complex music reading skills will also be covered in class. Students will be

introduced to a variety of music styles. All choir students will be encouraged to audition for the H.S. Musical in March or April. All students must attend scheduled evening rehearsals and performances as outlined by the director. Other required performances may include Fall, Winter, and Spring concerts. Evaluation: Attendance at all required performances and rehearsals, small written and/or listening tests, attitude and class participation. **This course meets the Michigan Merit Curriculum requirements as Performing Arts credit.**

## **ART**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

### **ART 1 CREDIT: 1 GRADE 9,10,11,12**

Art 1 students will continue to identify and study the elements of art and principles of design focusing on 2D & 3D mediums including sculpture and ceramics. Wire, plaster, and paper sculpture techniques will be emphasized. Drawing will also be emphasized as a component of 3D design. **Meets the Michigan Merit Curriculum requirements as Visual Arts Credit.**

### **ART 2 CREDIT: 1 GRADE 10,11,12 Prerequisite: C or higher in Art 1**

Students will continue to master their skills in drawing as they study and identify the principles of design employing drawing techniques. Students will work in a variety of media including, but not limited to, graphite, pen and ink, oil pastels, chalk, colored pencils, and charcoal. Students will primarily be exposed to advanced ceramics techniques as they continue to study and identify the principles of design. Sculpting be explored. This course will also explore techniques of drawing and painting.

### **ART 3 CREDIT: 1 GRADE 11,12 Prerequisite: C or higher in Art 2**

Students taking Art 3 will explore advanced techniques in painting, drawing, and mixed media techniques as well as sculpture, and other 3D studio arts.

### **ART 4 CREDIT: 1 GRADE 12 Prerequisite: B or higher in Art 1, 2, 3**

Independent Art students will be self-directed focusing on their portfolios. Course objectives include both 2D and 3D studio production. Independent Art students will also curate their own exhibit.

## **BUSINESS EDUCATION**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**CTE COMPUTER APPLICATION CREDIT: ½ GRADE 9,10,11,12** This class uses the basic skills and knowledge in using a computer to create, save, and edit a simple document, a spreadsheet, and a graphic; create folders for managing files; to open, close, and resize windows. Microsoft Word, we will learn how to create and edit documents such as letters and reports. Use features such as page numbering, headers, and footers, spell check, footnotes and endnotes, and character, line, and page formatting Microsoft Excel, we will learn how to create simple worksheets using numbers, dates, text formulas, desktop features, formatting, charting, printing, and file handling. Techniques include copying, moving, relative and absolute cell references, using functions in formulas, file linking, multiple windows, and range naming. Microsoft PowerPoint, we will create, edit, and modify presentations; navigate among different views; import text and graphics, customize presentations; applying templates and animation; printing in a variety of formats; and delivering presentations. Microsoft Access, we will build tables, forms, queries, and reports using a variety of tools. **These courses meet the Michigan Merit Curriculum requirements for a Math-related credit and for an Applied Arts credit.**

**PRINCIPLES OF BUSINESS CREDIT: ½ GRADE 9,10,11,12** Principles of Business is a semester course that introduces students to the role of business in the lives of individuals, consumers, workers, and citizens. Coverage includes: \* BUSINESS OPERATIONS - SMALL BUSINESS MANAGEMENT - BUSINESS FUNDAMENTALS - CAREER PLANNING - SOCIAL RESPONSIBILITY AND ETHIC - FINANCIAL OPERATIONS - RISK MANAGEMENT - CONSUMER DECISION-MAKING - INSURANCE - STOCKS AND BONDS - MONEY MANAGEMENT AND BANKING \* Textbook, World Wide Web, Virtual Business Simulation, quizzes, tests, and class projects will be used to reinforce and evaluate the student.

**PERSONAL FINANCIAL LITERACY CREDIT: ½ GRADE 9,10,11,12** Understanding and managing personal finances are key to one's future financial success. This course is based on Michigan's Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. This course will also utilize the Money Smart Modules as well as the online platform EverFi. Both are engaging, online resources that incorporate video, animations, and interactive activities to bring complex financial concepts to life. This course includes units on: \* FINANCIAL RESPONSIBILITY/DECISION MAKING - CAREERS AND INCOME - MONEY MANAGEMENT - SAVING AND INVESTING - CREDIT, DEBT, CONSUMER SKILLS - BANKING - EMPLOYMENT - BUDGETING - CONSUMER SKILLS - SMART SHOPPING - WAYS TO PAY - INVESTING IN YOU - GROWING A BUSINESS - FINANCIAL FUTURE - BUILD YOUR BLUEPRINT.

**INTRO TO ACCOUNTING CREDIT: 1 GRADE 9,10,11,12** This course is designed to provide an insight into the world of accounting and to give the student a basic understanding of

accounting practices, procedures and skills. The student will master the complete accounting cycle in its simplest form and apply this knowledge to the preparation and interpretation of the various types of journals, ledgers, and financial reports required from the beginning to the end of an accounting period. Calculator skills and computerized accounting will be used.

**CTE ACCOUNTING CREDIT: 2 GRADE 10,11,12** This course is designed to provide an insight into the world of accounting as a career choice and to give the student a basic understanding of accounting practices, procedures, and skills that can be adapted for personal use. The student will master the complete accounting cycle in its simplest form and apply this knowledge to the preparation and interpretation of the various types of journals, ledgers, and financial reports required from beginning to end of an accounting period. Special emphasis is placed on the use of special journals, payroll depreciation, interest and note computation, as well as the preparation of more detailed end-of-the-year work for a corporation. Automated accounting and a variety of simulations will be used in this course. **This course meets the Michigan Merit Curriculum requirements as Math-related credit.**

**CTE ADVANCED ACCOUNTING CREDIT: 2 GRADE 10,11,12** **Prerequisite: Introduction to Accounting**

This course will start with a review of the entire accounting cycle using a departmentalized business. It will continue with a more detailed instruction of accounting principles. Emphasis will be on accounting control systems (vouchers, inventory), general accounting adjustments (uncollectable, depreciation), corporation accounting (stocks, bonds), management accounting (budgets, financial statement analysis) and cost accounting. A variety of simulations and advanced computerized accounting procedures will be used. **These courses meet the Michigan Merit Curriculum requirements for a Math-related credit and for an Applied Arts credit.**

**CTE COLLEGE ACCOUNTING CREDIT: 2 GRADE 11,12** **Prerequisite: Advanced Accounting**

This course presents the analytic skills necessary to make decisions based on financial information. It continues the development of the accounting principles and their application to different forms of business organizations. Simulations, advanced automated accounting, QUICKBOOKS and EXCEL will be used. Upon completion, students will be well prepared to succeed in accounting classes at the college level. **These courses meet the Michigan Merit Curriculum requirements for a Math-related credit and for an Applied Arts credit.**

**CTE BUSINESS ADMINISTRATION 1 CREDIT: 2 GRADE 10,11,12** **These courses have Articulation Agreements with Bay College in Escanaba, NWTC in Marinette & Green Bay, and NMU in Marquette.** This course will prepare students to be efficient and effective office employees through application of software (Microsoft Office Professional 2016 - Word, Excel, Access, Power Point, and Desktop Publishing) and office procedures (records management, travel arrangements, supervision, ethics, work-flow design, human relations, and telecommunications) & MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION PROGRAM. **These courses meet the Michigan Merit Curriculum requirements for a Math-related credit and for an Applied Arts credit.**

**CTE BUSINESS ADMINISTRATION 2 CREDIT: 2 GRADE 11,12** This course will

prepare students to be efficient and effective office employees through beginning and advanced application of software (Microsoft Office Professional 2013 - Word, Excel, Access, PowerPoint and Integration) and office procedures (records management, human relations, desktop concepts, calculating, composition of business correspondence and business ethics) & MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION PROGRAM.

**CTE BUSINESS ADMINISTRATION 3 CREDIT: 2 GRADE 12** The Office Assistant course prepares students for entry-level office positions. Skills are developed in Microsoft Office Professional 2007 - Word, machine transcription, telephone, records management, machine calculation, and keyboarding. The office assistant prepares and keeps records and operates equipment. In addition, the office assistant collects, distributes, and accounts for money, materials, and messages. Business skills in math, spelling, grammar, and communications (reading, listening, speaking and writing) will be developed & MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION PROGRAM

### **HOSPITALITY AND FOODS**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**CTE INTRO TO CULINARY ARTS CREDIT: ½ GRADE 9,10,11,12** Food is one of man's basic needs. Yet, students often overlook its impact on their lives. This course is designed to emphasize all facets of food preparation. The students will learn the “what’s and why’s” of food production; in other words, not only what to do, but why it is important to the food production process. Emphasis will also be on team management and cooperative skills necessary in life. Students will gain ample experiences that will benefit them at home and in the future. Practical food labs will be an integral part of the course. Students will be graded on labs, projects, classroom work, tests and individual projects. **This course meets the Michigan Merit Curriculum requirements as Applied Arts credit.**

**NUTRITION AND FOODS CREDIT: 1 GRADE 10,11,12** This is a food course in which the students will be presented with basic information on food selection, nutrition, healthy eating patterns, and specific dietary eating guidelines. Students will examine health risks as related to food consumption, such as: cancer, heart disease and high blood pressure. In addition, athletic diets and weight control techniques may be included. The course will emphasize that individuals make choices in their diets that will affect their future health. Food labs are an integral part of this course and usually occur several times a week. Then beginning with the second marking period students will be given ample opportunity to select their own healthy recipes to prepare in the food lab. Evaluation will be on individual projects, food lab work, written assignments and examinations. **This course meets the Michigan Merit Curriculum requirements as Applied Arts credit.**

**CTE HOSPITALITY AND FOODS 1 CREDIT: GRADE 11,12** This full year vocational class will cover the skills necessary for hospitality and food service careers (travel and tourism, lodging operations and food production), the focus being on beginning skills in table service, baker’s assistant, short-order cook’s helper, and salad and dessert preparation. The student will operate the school-based restaurant. Banquet, catering and cake decorating experiences are

available. Evaluation will be the individual's work and class participation. Students are required to wear hair coverings. The students presently enrolled can qualify for an additional 2 co-op credits if they have a related job. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit and for Applied Arts Credit.**

**CTE HOSPITALITY AND FOODS 2 CREDIT: 2 GRADE 12** This full year vocational class will cover the skills necessary for hospitality and food service careers (travel and tourism, lodging operations and food production), the focus being on beginning skills in table service, baker's assistant, short-order cook's helper, and salad and dessert preparation. The student will operate the school-based restaurant. Banquet, catering and cake decorating experiences are available. Evaluation will be individual's work and class participation. Students are required to wear hair coverings. The students presently enrolled can qualify for an additional 2 co-op credits if they have a related job. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit and for Applied Arts Credit.**

## **CONSUMER SCIENCE**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**INTRO TO HEALTH OCCUPATIONS CREDIT: 1 GRADE 10,11,12** This course is designed for an introduction to the various careers in Health Care – Nursing, Diagnostic Imaging, Dental, and Veterinary careers.

**CTE HEALTH OCCUPATIONS 1 CREDIT: 2 GRADE 10,11,12** This course is designed to assist high school students in making a career decision in a medical, health care, or the human service field. Students will be exposed to several health care related fields of study. Students will be introduced to general health related information. This includes Medical Terminology, Body Systems, Disease Prevention and Treatments. Specialized skills such as vital signs, first-aid and cardiopulmonary resuscitation will be learned.

Employability skills will be stressed throughout the program as well as growth in leadership opportunities through the student organization Health Occupation Students of America (HOSA). Second semester students will explore career options through clinical non-paid work-based learning and job shadowing in areas such as dental, pharmacy, diagnostic imaging, physical therapy, and animal care, and mortuary science, medical and nursing fields.

The Health Occupations Nursing Assistant Training Program is incorporated throughout the entire Health Occupations 1 course preparing the student to complete the training in Health Occupations 2.

## **CTE HEALTH OCCUPATIONS 2 CREDIT: 2 GRADE 11,12**

**Prerequisite: Health Occupations 1** The second year of Health Occupations expands the student's skills and knowledge in health care procedures and applications. This is accomplished through classroom, clinical internships and Independent Study in the specific area of interest within the community health care setting. Continued development of Employability skills will be stressed, as well as, growth in leadership opportunities through the Health Occupations Students of America (HOSA). Medical Terminology, First Aid and CPR are reviewed and stress management strategies are introduced to prepare students for health care employment. Students will have the opportunity to complete training for Certified Nursing Assistant during Health

Occupations 2. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit, for Applied Arts Credit, and/or for a Science credit.**

### **Certified Nursing Assistant Training**

- Health Occupations Nursing Assistant Training Program will prepare the student to provide quality care to residents in long-term care. Students must successfully complete Health Occupations 1 to be eligible for the training program.
- Students must show proof that they are free of communicable diseases (TB), and immunizations are up-to-date, including the Hepatitis B series. Students must also pass a criminal background check as required by State of Michigan Law.
- The basic training consists of combined classroom and supervised clinical training that includes personal care skills, care of the patient environment, vital signs, nutritional needs and restorative care of the resident.

Successful completion of the Nursing Assistant Training Program qualifies the student to take the examination required for the State of Michigan Nursing Assistant Certificate.

**PRINCIPLES OF DESIGN CREDIT: ½ GRADE 9,10,11,12** Discover the exciting world of Design as related to the fashion and housing industry. Students will learn the foundation of design using the elements and principles of design with emphasis on color, line, focal point, balance, proportion and rhythm. Hands-on-projects will be a vital part of the course. Projects may involve the use of computers, individual skills and/or other methods. Students will be using a software program to create a housing design project. Grades will be based on tests, written work, presentations and projects. **This course meets the Michigan Merit Curriculum requirements as Applied Arts credit.**

**INDEPENDENT LIVING CREDIT: ½ GRADE 9,10,11,12** The majority of people will eventually move away from home and become independent. The content of this course will focus on life skills needed to prepare students to succeed on a day-to day basis. Units of instruction that may be addressed are the realities of moving away, searching for a job, handling money, apartment living, banking and credit, insurance and automotive purchases. It will expose students to choices and decisions that are necessary when they are on your own, as well as the consequences of poor decision making. Evaluation will be on class participation, projects, tests and reports. **This course meets the Michigan Merit Curriculum requirements as Applied Arts credit.**

### **PARENTING I CREDIT: ½ GRADE 9,10,11,12**

This course will include the following topics: parenthood as an informed choice; reality of being a mother or father; understanding the adjustments of parenting; child abuse issues; and the phases of child development - including childbirth. Participation of Baby Think It Over Program occurs over the course of one weekend. Class discussions and subject related movies are a large part of the class. Evaluation will be on class participation, classroom learning experiences, reports, tests, and projects. **This course meets the Michigan Merit Curriculum requirements - Applied Arts credit.**

### **PARENTING II CREDIT: ½ GRADE 9,10,11,12**

This course will concentrate on the social-emotional development of children from toddler to school-age. Child behaviors, actions, and techniques to help children. A major part of the second marking period will be spent putting together lesson plans. Students will then teach three lessons to the elementary. Evaluation will be on class participation, group projects, teaching experience, individual work, and written evaluation. **This course meets the Michigan Merit Curriculum requirements as Applied Arts Credit.**

### **CTE TEACHER CADET 1 CREDIT: 1 GRADE 11,12 Recommended Course**

**Prerequisites: Parenting, Psychology, or Sociology** Teacher Cadet 1 is an innovative year-long activity based curriculum for high school juniors and seniors. The course is designed to provide students with an opportunity to explore and experience first-hand teaching as a profession. In this program, Teacher Cadets will be involved in the development and application of content, classroom observations, and factual teaching in a variety of educational settings at multiple levels – preschool, elementary, middle school and high school. **This course meets the Michigan Merit Curriculum requirements as Applied Arts Credit.**

### **CTE TEACHER CADET 2 CREDIT: 1 GRADE 12 Recommended Course**

**Prerequisites: Teacher Cadet 1**

Teacher Cadet 2 is an innovative year-long activity based curriculum for high school seniors. The course is designed to provide students with a more hands on approach in the classroom. In this program, Teacher Cadets will be presenting extra lesson plans, student will also be expected to attend field trips, update electronic portfolio, will be involved in the development and application of content, classroom observations, and factual teaching in a variety of educational settings at multiple levels – preschool, elementary, middle school and high school. **This course meets the Michigan Merit Curriculum requirements as Applied Arts Credit.**

### **CTE COSMETOLOGY CREDIT: 2 GRADE 10,11,12**

This course covers three years of comprehensive and involved instruction. The curriculum is set up in accordance with the Michigan State Board of Cosmetology and covers all areas of Cosmetology, theory and practical (skills) training. Upon completion of this course of instruction the student is eligible to continue their education at Paul Mitchell School of Cosmetology where they will receive the last of their 420 hours of instruction. The student will be eligible to take the State Cosmetology examinations for licensing. Once the student is licensed, they will be able to work in an established salon in the State of Michigan. This program requires 1080 hours of training.

### **CTE-ENGINEERING/AUTO/WELDING**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**CTE PRE-ENGINEERING CREDIT: 1 GRADE 9,10,11,12 Prerequisite for sophomores to enter 2-hour CTE courses.**

Students will be introduced to measurement, blueprint reading, layout and perform bench work to support their learning. Students will have the opportunity to perform safe lab practices in the areas of flame cutting and plasma cutting, welding, and machining. Students will learn to

operate power saws, drill presses, lathes, mills, and grinders. Students will be introduced to both 2D and 3D computer aided design and use the software to prepare programs from basic cutting and 3D printing. Students will be introduced to the design process and complete hands-on activities to support their learning. **This course meets the Michigan Merit Curriculum requirements as Applied Arts credit.**

**CTE MACHINE TOOL 1 CREDIT: 2 GRADE 10,11,12 Prerequisite: None for 11<sup>TH</sup> & 12<sup>TH</sup> graders; successful completion of CTE/Pre-Engineering for 10th grade.** Perform safe lab practices, perform measurement, layout, and inspection operations, interpret blueprints, and perform bench work. Operate the following power equipment: power saws, drill presses, lathes, mills (vertical and horizontal), and grinders. Also included will be an introduction to CNC program writing, using the CNC plasma cutting table. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit and an Applied Arts credit. STUDENTS ARE REQUIRED BY LAW TO PURCHASE AND WEAR A PAIR OF SAFETY GLASSES.**

**CTE MACHINE TOOL 2 CREDIT: 2 GRADE 11,12 Prerequisite: Successful completion of Machine Tool 1** Advanced processes and projects on the power equipment of the power saws, drill presses, lathes, mills, and grinders. Introduction of Computer Numerical Control (CNC) manufacturing processes through software usage, and program writing. Frequent field trips to local industries and the community college (NWTC) to relate to post high school training in the Computer Aided Manufacturing (CAM) processes. Students will also have instruction for Machine Tool Processes, Computer Aided Drafting Software, Welding Sciences & Processes, Introduction to Shipbuilding and Employability Skills. Through hands-on projects, students will be exposed to professional communication and collaboration methods, design ethics, and technical documentation. Students will use industry standard 3D solid modeling software to design and document their solutions to design problems and challenges. They then will communicate their design solutions to peers and members of the professional community. **This Course meets the Michigan Merit Curriculum requirements for a *Math-related credit if taken in the senior year* and for an Applied Arts credit. STUDENTS ARE REQUIRED BY LAW TO PURCHASE AND WEAR A PAIR OF SAFETY GLASSES.**

**CTE WELDING CREDIT: 2 GRADE 10,11,12 Prerequisite: None for 11<sup>TH</sup> & 12<sup>TH</sup> graders; successful completion of CTE/Pre Engineering for 10th graders.**

The main objective of this course is to engage students in the safe and practical use of metal fabrication techniques. The incorporation of math conversion will be strongly emphasized along with basic design principles. This course will teach the basic principles of oxy/gas cutting (torch), plasma arc cutting, MIG (wire welding), and stick welding with various electrodes. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit and an Applied Arts credit. STUDENTS ARE REQUIRED BY LAW TO PURCHASE AND WEAR A PAIR OF SAFETY GLASSES. *Juniors and Seniors have an opportunity to receive 4 transcribed credits of Welding from NWTC. Articulated credit.***

**CTE AUTOMOTIVE CREDIT: 2 GRADE 10,11,12**

Description: This program is designed to provide every student with entry level skills required to obtain employment in the automotive field. Through the use of relevant

theory, application, and hands-on activities, students will be exposed to the necessary skills required to attain state certification in automotive brake systems. Course work shall also include a variety of skills related to: shop/personal safety, employability, precision measurement, and engine performance diagnosis and repair. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit and an Applied Arts credit. STUDENTS ARE REQUIRED BY LAW TO PURCHASE AND WEAR A PAIR OF SAFETY GLASSES.**

Technical Curriculum:

### **NATEF BRAKES 110 HOURS ENGINE PERFORMANCE A. General**

Brake System Diagnosis A. General Engine Diagnosis

B. Hydraulic System Diagnosis and Repair B. Computerized Engine Control  
Diag/Repair

C. Drum Brake Diagnosis and Repair C. Ignition System Diag/Repair

D. Disc Brake Diagnosis and Repair D. Fuel, Air Induction Exhaust  
Diag/Repair

E. Power Assist Unit Diagnosis and Repair E. Emissions Control System Diag/Repair F.

Miscellaneous Diagnosis and Repair F. Engine Related Services G. Electronic Brake,

Traction and Stability Control

Systems Diagnosis and Repair

*Juniors and Seniors have an opportunity to receive 2 transcribed credits of Auto from NWTC. Articulated credits*

**CTE AUTOMOTIVE CREDIT: 2 GRADE 10,11,12 Prerequisite: Students who are taking the second year of Auto, must have earned a C+ or better in the first year of Auto.** The Automotive Technology electrical systems course promotes entry level skill development required to obtain certification and employment in the transportation career field. Content includes safety, tools, employability development, vehicle maintenance, precision measurement, electrical system diagnosis and repair, and steering/suspension systems diagnosis and repair. Course instruction includes hands-on experiences and practical application. Class format is a two-period block for a full year and students can earn two credits. **This course meets the Michigan Merit Curriculum requirements for a Math-related credit and an Applied Arts credit. STUDENTS ARE REQUIRED BY LAW TO PURCHASE AND WEAR A PAIR OF SAFETY GLASSES.**

Technical Curriculum:

NATEF ELECTRICAL STEERING AND SUSPENSION A. General electrical system diagnosis A. Steering Systems B. Battery diagnosis and service B. Suspension Systems C. Starting system diagnosis and service C. Wheel Alignment D. Charging system diagnosis and service D. Wheels and tires E. Lighting systems diagnosis and repair F. Gauges, warning devices, DIS diagnosis and repair G. Horn, wiper/washer diagnosis and repair H. Accessories diagnosis and repair

*Juniors and Seniors have an opportunity to receive 2 transcribed credits of Auto from NWTC. Articulated credits*

### **CTE ADVANCED AUTO & ENGINEERING CREDIT: 2 GRADE 12**

**Prerequisite: Successful completion of 2 years in the same career/tech class.**

Available in Manufacturing or Automotive Tech. **Prior approval of instructor and counselor is required.** The advanced technological skills and theory in an occupational area. The student selecting this study should have demonstrated a high level of interest and aptitude toward this occupational preference. The study will be designed by the instructor to meet the individual needs of the student and may include work experience.

**This course meets the Michigan Merit Curriculum requirements for a Math-related credit and an Applied Arts credit. STUDENTS ARE REQUIRED BY LAW TO PURCHASE AND WEAR A PAIR OF SAFETY GLASSES**

**STUDENT LEADERSHIP CREDIT: 1 GRADE 9,10,11,12** Students will be involved in school improvement, community service, fund raising, promoting school spirit and planning, organizing and conducting student events and activities. Students will become familiar with the skills and behaviors that lead to successful leadership through hands-on-experience. Class time is devoted to planning, designing and scheduling chosen activities as well as curricular assignments. Class content includes practical training in public speaking, written communications and advertising techniques, self-awareness, project planning, managerial skills and evaluation techniques. Students will be evaluated on written work, logs, committee work, outside activities, community/school service, tests, quizzes, and class participation. Students are required to take a class through Edmentum, an online course, as part of the Student Leadership class. **Student Leadership meets the Michigan Merit Curriculum Requirements for an Applied Arts Credit. This class may be delivered instructionally in person, online, or in a hybrid format (a combination of both in-person and online instruction).**

**PEER TO PEER CREDIT: 1 GRADE 11,12** The student will support a student with Autism Spectrum Disorder (ASD) in both academic and social settings with adult supervision. This class is geared for 11th and 12th grade students who may be looking

into special education as a career focus or being a paraprofessional. Peer to peer support students participate in the program every day during their scheduled class period. While working in the program, the student provides peer support while participating in the activities scheduled. The primary responsibility of a peer to peer support student is to be a model for the student with ASD. The peer to peer support program provides many opportunities for general education students, as well as the students with ASD. Students learn to relate to people with different needs and develop an increased understanding of individual differences. Encouraging student's responsibility is also an added benefit of the program. **This class will count as an elective course. It also requires parent permission. THIS CLASS WILL BE A PASS/FAIL CLASS.** *This class may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

**ESSENTIAL HEALTH CREDIT: ½ GRADE 9,10,11,12** A practical course for everyone dealing with everyday health concerns. The following topics will be covered: fitness for life, nutrition and diets, alcohol and drug use/abuse, sex education and venereal diseases, first aid, personal growth and hygiene. Evaluation will be based upon class participation, reports and tests. *This class may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

### **SPECIAL EDUCATION (Available to students with an IEP)**

*All of these grade classes may be delivered instructionally in-person, online, or in a hybrid format (a combination of both in-person and online instruction).*

### **INDIVIDUAL STUDIES CREDIT: 1 GRADE 9,10,11,12**

This is a year long course providing students with an opportunity to receive support with their academic classes. The student will also be provided with additional individualized skill work as needed. **Subject to change based on individual student needs.**

#### **9TH GRADE COURSES**

ENGLISH 9  
ALGEBRA 1  
PHYSICS 9  
WORLD HISTORY  
ESSENTIAL HEALTH/PHY ED  
FOREIGN LANGUAGE

---

#### **10TH GRADE COURSES**

ENGLISH 10  
GEOMETRY  
BIOLOGY  
U.S. HISTORY  
FOREIGN LANGUAGE

---

---

**11TH GRADE COURSES**

ENGLISH  
ALGEBRA 2  
SCIENCE  
GOVERNMENT - ½ ECONOMICS - ½

---

---

---

**12TH GRADE COURSES**

ENGLISH  
MATH/MATH RELATED

---

---

---

---

---