



ONTONAGON AREA SCHOOL

2024-2025

CURRICULUM BOOK

In compliance with Title VI of Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disability Act of 1990, and the Elliot-Larsen Civil Rights Act of 1977. It is the policy of the Ontonagon Area School district that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, age, disability, height, weight or marital status be excluded from

Participation in, be denied benefits of, or subjected to, discrimination during any program, activity, service or employment. For information, contact Lisa Johnson (Superintendent, Civil Rights Coordinator) at: (906)-813-0614 or Ontonagon Area School, 701 Parker Avenue, Ontonagon, MI 49953

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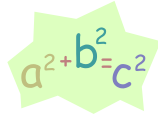
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The Ontonagon Area School district offers courses in a variety of modes including person traditional, virtual and distance learning.

MATH



ALGEBRA

(2 SEM. – 1 CREDIT)

Algebra is used to describe patterns, work with variables and formulas, solve problems, and graph functions. This course also introduces topics from statistics, geometry and probability.

GEOMETRY

Prerequisite: Algebra

(2 SEM. – 1 CREDIT)

Geometry is the study of shapes and visual patterns. The course work includes work with graphing, measurement and two and three dimensions, logic, area and volume calculations, trigonometry, transformations, and mathematical proofs.

ALGEBRA II

Prerequisite: Geometry

(2 SEM. – 1 CREDIT)

A continued study of Algebra with concepts of Geometry incorporated. This course includes the study of linear and quadratic functions, exponential expressions, logarithms, and trigonometry. Abstract and real world problem solving is part of this course. Use of graphing calculators is an integral part of the course.

PERSONAL FINANCE

(2 SEM. – 1 CREDIT)

This course serves as a senior math elective. Students gather the skills and knowledge needed to manage their finances. Topics covered include checking, savings, accounts, loans, credit, taxes and budget planning. This course provides an exclusive practical background in money management.

WELDING

(APPLIED MATH CREDIT)

Seniors may take this cross-walked vocational education class to satisfy the senior math requirement as established by the M.M.C. Basic math skills will be applied to the welding trade.



SOCIAL STUDIES

NINTH GRADE US HISTORY & GEOGRAPHY

(2 SEM. – 1 CREDIT)

This course follows a chronological pattern beginning with a short review of the Civil War and the period of Reconstruction. The growth of the United States industrially and geographically will also be discussed. Major topics include W.W.I, the Depression, W.W. II, and the Cold War of the 1950's. More recent events such as the Vietnam War, involvement in Bosnia and the Middle East, Civil Rights movement and political changes will complete this course.

U.S. GOVERNMENT/CIVICS

(1 SEM. - .5 CREDIT)

U.S. Government has the objective of giving the students a basic understanding of government at the local, state, and national levels. Particular concentration will be given to our national government. The structure, organization, and the basic philosophy and concepts of the U.S. constitution and three branches of government will be included. Also of importance will be the role of state and local government.

ECONOMICS

(1 SEM. - .5 CREDIT)

Economics is designed to give the student a basic understanding of the American economy. To achieve this understanding the student will be presented with theory, principles, and analytical tools necessary to understand our system. A study of comparative economic systems will also be undertaken and opportunities for investigating portions of the economy will be presented.

WORLD HISTORY

(2 SEM. – 1 CREDIT)

World History is designed to provide students with a broad background in the development of civilization around the world. While emphasis is placed on Western Civilization; other areas around the world are covered. Beginning with a brief look at the prehistoric and ancient cultures, the course goes on to deal with the great ancient civilizations of Egypt, Greece and Rome. The Middle Ages and the Renaissance and Reformation era are followed by a discussion of the Industrial Revolution and the rise of Imperialism. The course ends with a study of 20th Century events such as WWI and WWII.

ENGLISH LANGUAGE ARTS



ENGLISH 9

(2 SEM. – 1 CREDIT)

The student will read, interpret, and critically evaluate literature, examining themes, events, and ideals of various cultures. Traditional grammar and usage concepts will be practiced and applied to both written and oral communication. Course will provide

A workshop atmosphere in which students will gain experience in the application of the writing process.

ENGLISH 10

(2 SEM. - 1 CREDIT)

This course is a study of various types of poetry, world literature and drama. It will also acquaint the student with literary terminology. It will help to create an interest in literature and enable the student to read, interpret, and judge for himself. It will also help the student discover the influence of literature upon life. This course also introduces students to expressing their ideas to a group, focusing on research, outlining, and delivery. There will be one formal speech per quarter.

ENGLISH 11

(2 SEM. - 1 CREDIT)

A study of American Literature from the Colonial period to the civil war era, with emphasis on Colonial and Revolutionary periods, and the Abolitionist movement. The course will include works by the authors of the periods, and contemporary writers, and will include outside readings of plays, novels, and nonfiction. The student will get a better understanding of history, and will understand how American ideas and ideals have molded our heritage and culture.

ENGLISH 12

(2 SEM. - 1 CREDIT)

A study of American Literature from the civil war era to the present time. The student will get an understanding of the evolution of American Literature in the past 125 years. The student will see how literature reflects the period in which it is being written; emphasis will be placed on modern fiction. Exploration of regional authors will be included time permitting.

CREATIVE WRITING

(2 SEM. – 1 CREDIT)

Students will work on a writing project each week, reading Teen Ink (a student writing magazine) as they work. The magazine provides inspiration as well as ideas. The types of writing students do are largely self-determined. Some examples of the genres written in Creative Writing are: fiction, movie and music reviews, poetry, expository essays, scripts, interviews and chapters for books.

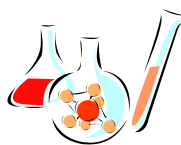
COMMUNICATIONS IN CONTEMPORARY SOCIETY

(2 SEM. – 1 CREDIT)

In Communications in contemporary society, students analyze the impact of media on society by analyzing writing in all formats. Media, such as print, radio, film, television, and internet, will be evaluated to uncover the techniques and strategies used to communicate through media. Students will produce a variety of multimedia products in diverse formats.

WORLD LANGUAGE

(Offered through Distance Learning)



SCIENCE

PHYSICAL SCIENCE

(2 SEM. – 1 CREDIT)

An introduction to the scientific method and lab science. Emphasis is on hands on, student driven learning.

BIOLOGY I

(2 SEM. – 1 CREDIT)

Biology is the study of living things – both plants (botany) and animals (zoology). It deals with the major groups of plants and animals from simple one-celled algae or protozoa to the most complex forms of life, including man. In biology, the student studies the physical makeup, the principles that govern life, and the relation of living things to their surroundings and to each other, their history and changes.

BIOLOGY II

(2 SEM. - 1 CREDIT)

Prerequisite: Biology I

Special emphasis is placed on man, his physical makeup, functions, diseases and their prevention, and hereditary patterns. Laboratory exercises are designed to illustrate some of the many vital physiological functions of the

human organism. The course is particularly important to those wishing to pursue a career in health care, physical education, beauty culture, and other professions in which an understanding of the human body is essential.

CHEMISTRY I

(2 SEM. – 1 CREDIT)

The course covers the composition of matter in the world. Elements and compounds and their interaction are covered in detail. Laboratory techniques, research skills and scientific reasoning are part of the course content. This course provides a foundation in chemistry for all college bound students.

AGRICULTURE

(SCIENCE CREDIT)

(2 SEM. 1 CREDIT)

Students may use this cross-walked vocational education class to satisfy a science elective.

STEAM

(2 SEM. - 1 CREDIT)

This course covers areas in Science, Technology, Engineering, Art and Math and focuses on the application of the subjects in a challenging and rigorous manner. Students will work hands on designing, creating and then have access for manufacturing projects on a 3-D printer and a laser engraver.

Students will also be exposed to entrepreneurship with business applications through course work.



PHYSICAL EDUCATION

PHYSICAL EDUCATION 9

(1 SEM. - .5 CREDIT)

Physical Education will cover the fundamentals of team and individual sports. Instruction is given in a variety of team sports such as volleyball, soccer, speed away and basketball and in individual sports such as track and field, tennis and floor hockey. Emphasis will be placed on the importance of exercise for life.

PERSONAL FITNESS

(1 SEM. - .5 CREDIT)

In this course, students will discover how to incorporate personal fitness in a way that can be sustained for the rest of their lives. Different types of aerobic, weightlifting with strength and conditioning activities will be covered, so students find the type of workout that fits their needs. Students will learn about principles and techniques of personal fitness, basic human anatomy and physiology related to fitness principles, and how to use fitness equipment. Students will learn how to develop a personalized fitness plan, monitor their progress, and reflect on and evaluate their growth.

ADVANCED PHYSICAL EDUCATION

(2 SEM. 1 CREDIT)

Physical Education will cover the fundamental of team and individual sports. Instruction is given in a variety of team sports such as volleyball, soccer, speed away and basketball and individual sports such as track and field, tennis and floor hockey. Emphasis will be placed on the importance of exercise for life.

HEALTH



HEALTH

(1 SEM. - .5 CREDIT)

Accepted practices in personal hygiene, nutrition, safety and self-awareness are discussed. Substance abuse, HIV-Aids, and other current topics relative to a person's mental and/or physical wellness are covered. The various health systems are reviewed as they relate to the well-being of the individual.

OTHER

COLLEGE AND CAREER READINESS

(2 SEM. - 1 CREDIT)

This course is available to seniors who want to obtain knowledge, skills and dispositions needed to be successful in post-secondary education and/or training that leads to gainful employment. Some dispositions but not limited to are: Goal setting, financial responsibility, decision making skills and motivation. The goal of this class is to prepare students with the skills they need to find, acquire , maintain, and grow within a job.

CAREER EXPLORATION AND ENTREPRENEURSHIP

(2 SEM. 1 CREDIT)

This course will help students explore career opportunities. A large focus of the course will be on basic entrepreneurship and management skills that will be utilized in almost any career choice.



CAREER TECHNICAL EDUCATION

AGRICULTURE

(2 SEM. – 1 CREDIT)

The program will focus on small-scale, specialty agriculture, along with the many facets of indoor and greenhouse growing. New technologies in horticulture, such as hydroponics, will be part of the curriculum, along with forestry and wildlife management. Students will also get real-world experience in the business and marketing side of agriculture.

HEALTH SCIENCES

(2 SEM. - 2 CREDITS) 2 PERIOD CLASS

Students will be introduced to various careers in healthcare and will learn basic medical terminology, infection control, CPR/First Aid, and healthcare delivery and environments. This program provides training for students and prepares them for the State of Michigan examination to become one of the following: Certified Nursing Assistant, Patient Care Technical, EKG Technical or Phlebotomy Technician. Students will complete a clinical rotation at one of our local nursing homes, hospitals or clinics.

WELDING

(2 SEM.- 1 CREDIT) (1 PERIOD) or

(2 SEM. – 2 CREDITS) (2 PERIODS)

This course provides students with practical experience and instruction in the set up and use of all types of equipment and processes common to the welding trade today. Theory and application of these processes are covered for ferrous and non-ferrous metals in flat, vertical, horizontal, and overhead positions. Fundamentals of welding layout, fabrication, and repair are also covered. Emphasis is placed on all safety procedures typical of the welding trade.

Note: See Distance Learning and Virtual Learning for opportunities.

LTCS PROGRAMS

(2 SEM. – 2 CREDITS) (2 PERIODS)

An unpaid state-approved CTE less-than-class-size (LTCS) program provides an opportunity to pupils who, because of unique circumstances, do not have a program available through a regular state-approved CTE program. Each program is contracted with business, industry, or private occupational schools as an alternative method of providing CTE not readily available in a public education institution.

Automotive: CTE program segments include standards in the following content areas: Facility and Mobile Equipment Maintenance, Transportation Distribution and Logistics, Brakes, Steering and Suspension, Electrical/Electronic Systems, Engine Repair, Engine Performance, Automatic Transmission and Transaxle, Manual Drive Train and Axles, Heating and Air Conditioning.

Construction: CTE program segments include standards in the following content areas: Construction Business Management, Green Technology construction Techniques, Common Construction Practices, Flooring and Foundations, Building Construction Design, construction Materials, Construction Tools and Equipment, Site Preparation and Infrastructure, Carpentry, Heavy Equipment/Civil Construction Technology.

WORK BASED LEARNING

WORK BASED LEARNING

(2 SEM. – 2 CREDITS) (2 PERIOD CLASS) or

(2 SEM. – 1 CREDIT) (1 PERIOD CLASS)

Interested students must apply for this position through the High School Guidance Counselor. Job contracting provides on the job training in areas outside our classroom offerings. Examples would be nursing, dental technician, auto body repair, etc.

SERVICE LEARNING

SERVICE LEARNING CURRICULUM

(1 SEM - .5 CREDIT)

Goals of the class:

- Students will gain knowledge and skills by applying them to real problems.
- Students learn about working in groups and taking leadership roles.
- Students will learn the value of helping and caring for others.
- Students will increase their sense of involvement in their school and community.
- Students will help promote school spirit and pride.
- Students will learn to look for needs around schools and communities that they can help with.
- Students will learn the value of reciprocal relationships.

Students will be expected to complete either one large project or two smaller projects a marking period.

All projects will be done in this 4 step progression:

Step 1. Selecting a project.

- Step 2. Planning the project.
- Step 3. Carrying out the project.
- Step 4. Review and reflection.

Students will be expected to also have some regular duties they help out with around the building.

CREDIT RECOVERY COURSES

Credit Recovery courses are online semester courses in the core subject areas offered through Edgenuity (online program) and support by teachers to offer core subject area credit recovery. Students move at their own pace to complete and are done outside of school and/or may have a dedicated period in school to also help with completion. A credit/no credit and grade is issued upon successfully completing the courses.

DISTANT LEARNING

BUSINESS MANAGEMENT

(2 SEMESTERS – 2 CREDITS) (2 PERIOD CLASS)

Via Zoom. Students will create a business plan for a food truck. Work includes a management plan, financial plan, marketing analysis, and operations. Students have the opportunity to participate in Business Professionals of America.

C.A.D.D.

(2 SEM. - 2 CREDIT) (2 PERIOD CLASS)

This program teaches students the basic fundamentals of drafting standards. Students can study either Mechanical Drafting/manufacturing or Architectural Drafting and Design and will learn basic entry level drafting standards and skills required for that field. Sketching, geometric construction methods, dimensioning, multi-view drawing layout and much more is taught on the computer.

GERMAN 1

(2 SEM. – 1 CREDIT)

Introduction to German: Introduction to the civilization and culture of the German-speaking world, with emphasis on the comparison of cultures and on present trends in political and social life, literature, and the arts. This course is taught in English; no previous knowledge of German is required.

German 1: In German 1 students learn basic German grammar such as verb conjugation and adjective agreement and practice the basic skills of listening, speaking, reading, and writing in the present tense with an emphasis on correct oral and written expressions and aural comprehension. Students are also introduced to various aspects of German culture in Germany and in German-speaking countries in the text and through videos and presentations, which may include historical, social, and cultural topics.

GERMAN 2

(2 SEM. – 1 CREDIT)

Students must have completed and passed German 1 to be eligible to enroll in German 2. This will be a continuation of learning to listen, speak, read and write in the German Language.

TEACHER ACADEMY

(2 SEM. – 2 CREDIT) (2 PERIOD CLASS)

Students will learn about what is needed to grow in future early childhood education professionals, paraprofessionals, and teachers. Students will also get the opportunity for job placements in early childhood settings

DUAL ENROLLMENT and EARLY MIDDLE COLLEGE

Dual enrollment is when a student enrolls in one or more college courses while still in high school; whether for high school credit, college credit or both. Please connect with the school to work with Gogebic Community College on enrollment options.

Effective September 2013, Ontonagon Area School will contribute to the cost of the course based on the state weighted average foundation divided by the number of periods per day and then divided by the semester. If a student participating in the postsecondary (dual) enrollment program fails to successfully complete an eligible course, the student and his/her parents are responsible for reimbursing the District for such charges incurred by the District for such enrollment. In the event reimbursement is not made in a reasonable period of time, the Superintendent is authorized to file claim against the student and/or his/her parents in Small Claims Court for collection.

Early Middle College provides students an opportunity to earn an associate's degree, a technical certification, or 60 or more college transfer credits at little or no cost to the student. By the start of their junior year, students are required to commit to one year of college after high school (13th) year. Early College also gives students an opportunity to develop college and career readiness skills to ease transition to the workforce or 4-year university. Please reach out to the school for more information.



ONLINE LEARNING- New Credits

VIRTUAL LEARNING CURRICULUM

(1SEM - .5 CREDIT)

Online learning courses are semester courses in subjects offered through Edgenuity or Michigan Virtual High School. Online learning enables schools to offer students equal access to diverse courses and helps schools expand curriculum, offer greater flexibility and solutions to accommodate scheduling and learning needs. Online Learning provides cutting-edge learning options that allow students to build technology skills that will help them succeed. Edgenuity and MV courses are payable by the school and are free to all students.

Virtual Learning Courses are offered at the school. Students will be assigned both a mentor and a teacher who will be grading the learning activities. The student will be in an assigned classroom in which they will work on their virtual course during that time. The mentor will check in with the students at a minimum of twice a week to verify adequate progress on the learning, help with any areas they have concerns over and make sure they are getting the help they need.

Available Virtual Learning Courses:

- Expository Reading and Writing
- Classic Novels and Author Studies
- Pre-Calculus
- Statistics
- Concepts of Probability and Statistics
- Physics
- Environmental Science
- Art History
- Strategies for Academic Success (semester class)
- AP Biology
- AP Calculus AB
- AP Human Geography
- AP Psychology
- AP Statistics
- AP US Government and Politics (semester class)
- AP US History
- AP World History: Modern

Available Edynamic Virtual Learning Courses: Overseen by a Michigan Licensed Teacher. These courses will need approval to register and must be completed within each semester.

- Personal Psychology 1 and 2
- Sociology 1 and 2
- Human Resource Management 1A and 1B
- Management 1A and 1B
- Hospitality and Tourism 1 (semester)
- Hotel Management 1A and 1B
- Restaurant Management (semester)
- Introduction to Computer

MICHIGAN MERIT CURRICULUM (MMC) HIGH SCHOOL GRADUATION REQUIREMENTS

With the passing of House Bills 4465 and 4466 in June 2014, (updated June 2018) Graduation Requirements now include:

MATHEMATICS – 4 Credits	
Michigan Merit Curriculum	Personal Curriculum Options
<p>4 credits of mathematics, including Algebra I (may be granted prior to grade 9) Geometry Algebra II or Algebra II over 2 years for 2 credits Algebra II over 1.5 years for 1.5 credits Completion of a a MDE-approved CTE program such as machining, electronics, construction, welding, engineering, computer science, renewable energy if course includes appropriate embedded content Integrated math course An additional math credit (trigonometry, statistics, pre-calculus, calculus, applied math, accounting, business math, a retake of Algebra II or financial literacy) Students must successfully complete at least on math course during final high school year</p>	<p>3.5 credits of mathematics, including Algebra 1 (may be granted prior to grade 9) Geometry Algebra II may be modified if the student meets one or more of the following: One semester of Algebra II Algebra II over two years for 2 credits MDE-approved CTE program or curriculum that completes the same content as algebra II benchmarks assessed on State HS Assessment One semester of statistics, functions and data analysis or technical mathematics</p> <p>Students must successfully complete at least 1 math credit during his or her final 2 years of high school</p>
ENGLISH LANGUAGE ARTS – 4 Credits	
At least 4 credits of English Language Arts	
SCIENCE – 3 Credits	
<p>At least 3 credits of science, including: Biology Chemistry, physics, anatomy, ag science, or MDE approved program with the same chemistry or physics content One additional science credit or MDE-approved computer Science or CTE program</p>	
SOCIAL SCIENCE 3 Credits	
<p>At least 3 credits in Social Science, including: 1 credit United States history and geography 1 credit in world history and geography .5 credit in economics OR personal economics (financial literacy) .5 credit in civics</p>	<p>At least 2 credits of social science, including .5 credit of civics 1 additional credit in ELA, mathematics, science, a language other than English, or a CTE program</p>
HEALTH & PHYSICAL EDUCATION -1 Credit	
<p>At least 1 credit that includes both health and physical education OR .5 credit in health, plus .5 credit for district-approved participation in extra-curricular athletics or activities involving physical activity</p>	
VISUAL, PERFORMING AND APPLIED ARTS – 1 Credit	
<p>At least 1 credit of visual, performing, or applied arts</p>	<p>May substitute an additional credit in ELA, mathematics, science, a language other than English, or a CTE program</p>
WORLD LANGUAGES – 2 Credits	
<p>Two world language credits, both in the SAME language other than English, can be earned anytime, K-12, if grade-appropriate May partially or fully substitute 1 world language credit with a MDE-approved CTE program or by completing an additional visual or performing arts course through the class of 2024 American Sign Language “counts” as a world language May be an online world language course</p>	

SUB-SECTION K-STUDENTS WITH DISABILITIES	
	Any modification not otherwise allowed but necessary because the pupil Is a child with a disability and modification is consistent with both the students EDP and IEP
SUB-SECTION L-TRANSFER STUDENTS	
	Student transfers in with at least 2 years of HS credits from an out-of- state or from nonpublic school The Personal Curriculum includes as much of the subject content as practical Must include at least 1 math class during final year of high school If the transfer student is enrolled for at least one full school year -Must take at least algebra 1 or -Must take a course normally taken after algebra 1 Must include civics course
ONLINE LEARNING REQUIREMENT	
A separate online course or learning experience OR Integrated online experience throughout each MMC course	

GRADUATION REQUIREMENTS

Twenty-two credits are required to graduate from the Ontonagon Area School. Students must pass enough elective courses beyond the requirements of the Michigan Merit Curriculum.