MANISTIQUE AREA SCHOOLS
MIDDLE AND HIGH SCHOOL

CURRICULUM GUIDE AND
COURSE OFFERINGS

2020-2021

Manistique Area Middle and High School

Course Offerings and Curriculum Guide

Welcome to the Manistique Area Middle and High School. Our team of educators is proud of the programs that we have to offer your child. With a wide variety of class choices and extracurricular activities, the Manistique Area Middle and High School is leading the way in progressive education. Our knowledgeable and caring staff uses the Michigan Merit Curriculum as the backbone for our local curriculum. Augmenting the Michigan Merit Curriculum is a full battery of elective classes ranging from advanced physical education to independent living. Our vocational education classes (in conjunction with the Delta Schoolcraft ISD) prepare our students to enter in the world of work. College bound students can choose from Advanced Placement and honor level courses. Manistique Area Middle and High School students have opportunities to earn college credits through dual enrollment, AP courses and the Middle College. Class selection is independent of sex, sexual orientation, living status, race, religion. All students are given an equal opportunity to achieve academic success.

A student's education is enriched by participating in fine arts course offerings as well as extracurricular activities. Band and art students expand cultural boundaries through the mastery of outcome and performance based standards. We proudly share our students' talents through art shows and band programs. In our building you will notice artwork from our advanced students that adorn our hallways and common areas. Three times a year our music students demonstrate their skills to the public in our state of the art auditorium. Academic teams such M.A.S. Robotics and HS Quiz Bowl support learning through rigorous academic competition.

Academic support comes in the form of the Multi-Tiered System of Support, 504 plans and Special Education when appropriate. Parents are encouraged to become familiar with Michigan Standards and Benchmarks by visiting the Michigan Department of Education Website. The High School counselor will also discuss the flexibility found in the Michigan Merit Curriculum as well as how to implement a personal curriculum. Academic assistance is available in the form of tutoring before and after school and on Saturday mornings. Parents and guardians should feel free to set up an appointment with school officials to help resolve any questions they may have regarding programming at the Manistique Area Middle and High School. Please explore our website at www.Manistiqueschools.org for further information regarding our programming.

Graduation Requirements:

The Manistique Area Schools Board of Education set the following requirements for graduation:

English/Language Arts……..…. 4 credits in sequence

Mathematics……..……..……..….4 credits in sequence
- Algebra 1
- Geometry
- Algebra 2 or Algebra 2A (variations possible*)
- One math credit required to be taken senior year

Science……..…3 credits including
- 9th Gr. Science
- Biology
- Chemistry or Physics

Social Studies……..3 credits including
- World Geography/World History
- U.S. History
- American Government/Economics

Physical Education/Health…….. 0.5 +0.5 credits

VPAA (Visual, Performing or Applied Arts)..... 1 credit

Foreign Language (includes state approved alternatives).....……. 2 credits

Elective Credits…… 5 credits

Minimum of 23 credits required for graduation

** make an appointment with your counselor to discuss variations to the Michigan Merit Curriculum and/or a Personal Curriculum.*

Two ***examples*** of possible course progression are listed below. Each student may have a different program based upon EDP goals and objectives.

TECHNOLOGY PREP

Freshman
English 9
Algebra I
World Geography/History
Physical Science
Physical Ed/Health
VPAA or Foreign Language

Sophomore
American Lit 10
Geometry in Construction
US History
Biology
VPAA and/or Foreign Language

Junior
English Lit 11
Algebra IIA
American Government/Economics
Chemistry
Career Related Electives

Senior
World Lit 12
Voc. Ed Math Credit
Career Related Electives
Additional Electives

POST SECONDARY PREP

Freshman
English 9
Geometry
World Geography/History
Physical Science
Physical Ed/Health
VPAA or Foreign Language

Sophomore
American Lit 10
Geometry or Algebra II
US History* or AP US HISTORY
Biology
VPAA and/or Foreign Language

Junior
English Lit 11 or Honors English Lit. 11
Algebra II or Functions/Stats/Trig
American Gov. /Economics or AP Gov./Economics
Chemistry
Electives

Senior
World Lit 12 or AP Eng. Lit
Functions/Stats/Trig or Pre-Calculus
Physics or AP options
Career Related Electives

ENGLISH/LANGUAGE ARTS

ENGLISH 9 (1 Credit)

Language skills and literature are the two main areas of study. A study of grammar, usage problems, and mechanics is included to help students deal more effectively with the English language. Composition is also covered with emphasis placed on writing sentences, paragraphs, and short compositions. Both the grammar and composition units are intended to improve the students' writing skills. The study of literature includes a variety of short stories, nonfiction, drama, poetry and the novel. Literary terms are also introduced to the students. The goals of the literature units are to increase the students' interest in reading, to make reading enjoyable, and to improve the students' interpretation of literary works.

AMERICAN LIT Grade 10 (1 Credit)

This course is designed for the student who needs additional work with reading and writing skills. Reading comprehension will be emphasized through the use of American classics. Students will also be required to improve their writing processes, including sentence structure, the development of ideas, and proofreading. Writing will focus on preparation for the Michigan Merit Exam and essay/research writing. .

ENGLISH LIT Grade 11 (1 Credit)

English literature 11 is a course designed for those students who prefer learning more at a personal pace. The first semester involves literature from the Middle Ages, including Beowulf and The Canterbury Tales. A Shakespearean play will be included along with studies of historical events of the Renaissance period. The second semester focuses on modern literature, such as The Lord of the Flies. The primary writing focus will be research, and students will be introduced to the MLA format. Research essays and speeches are required in this course.

HONORS ENGLISH LIT Grade 11 (1 Credit)

Intended for the college-bound student, the fall semester of this course will cover the Anglo-Saxon Period of England through the Renaissance. Readings include Beowulf and The Canterbury Tales. Analyzing poetry will be an important part of this course. In addition to the readings, students will study significant historical events. This class will require a variety of writing assignments: essays, critical analysis of various works of literature, and persuasive writing. One speech will be mandatory. In the spring semester, this course will continue the study of the Renaissance period. Readings will include poetry and a Shakespearean play. A major segment will be devoted to the composition of a research paper using the MLA format which is preferred by many colleges. One presentation will be mandatory.

WORLD LIT Grade 12 (1 Credit)

World literature is a senior English class that focuses on the theme of leadership as implemented by the state. The literature is written by a wide variety of authors from around the world. It includes Greek mythology and The Odyssey (Greek), Animal Farm (English), The Jungle (American), Left to Tell (Rwandan), Night (Hungarian), and Catcher in the Rye (American) or Death of a Salesman (American). Writing will be incorporated into the curriculum with a focus on analysis. Students will be required to give at least three speeches.

ADVANCED PLACEMENT ENGLISH LITERATURE (12) (1 Credit)

Objectives for this course as set by the AP program. This includes: generating pieces of writing that meet the college-level standards; reading texts that represent both classical and contemporary literature in genres such as drama, fiction, and poetry; and developing the ability to discuss important ideas based upon the reading of challenging literature. The textbook is Perrine's Literature and will supplement these works with other readings. Assignments will involve poetry analysis, research and analytical writing, and classroom discussion. Students are encouraged to take the AP test at the end of the year for possible college credit. This course replaces World Lit 12.

DUAL ENROLLMENT ENGL 101 AND ENG 102

Students may apply to Bay College as a Dual Enrollment Student. Once accepted, a student can take college level courses as part of their school day.

ENGL 101: Rhetoric and Composition is designed to help students develop writing, reading, and thinking skills. Major emphasis is on writing and the writing process. Students will be assigned a variety of both formal and informal writings in expository, narrative, and persuasive modes. In addition, students will be expected to respond in writing to a variety of readings. Students are expected to enter the course with a firm foundation in basic writing skills. (Prerequisite: qualifying test scores).

ENGL 102: Research Writing is a course that provides instruction and practice in writing interesting, informative, and evaluative college research papers. Students will conduct library research, acquaint themselves thoroughly with a narrow topic of their choice, devise appropriate thesis statements, and develop their papers with material from a variety of authoritative sources using proper documentation. Prerequisite: ENGL- 101 with a "C" or better.

MATHEMATICS

ALGEBRA I (1 Credit)

This is a full year, one credit course required for all students. Algebra develops an understanding of and ability to manipulate and apply all arithmetic and algebraic operations with real numbers, linear and quadratic equations, polynomials, and systems of equations. Also integrated into the algebra are problems involving geometry, probability, and statistics. Throughout the course, emphasis is placed on reading and problem solving, using scientific calculators appropriately, and learning to learn both independently and as a member of a small team.

GEOMETRY (9 - 12) (1 Credit)

Plane geometry emphasizes the understanding of the basic structures of geometry and thus all fields of math. Much emphasis is placed on the student's understanding of the deductive method, accomplished through the formation of direct proofs. Other goals to be reached by the students are the use of clear thinking, precise expression, space perception, and imagination. Geometric transformations and algebra are applied throughout the course. Students will have opportunities to improve reading skills and learn both independently and as a member of a small team.

ALGEBRA 2 (10 or 11) (1 Credit)

Topics covered will include formulas for sequences; variation and graphs with an introduction to the graphing calculator; linear relations; matrices; systems of equations and their solution by several methods; parabolas and quadratic equations; functions; powers; roots; logarithms; trigonometry; polynomials; equations for circles, hyperbolas, and ellipses; and arithmetic and geometric series.

ALGEBRA 2A (1 Credit)

Topics from the first semester ALG II are covered over the course of an entire school-year. This course is designed for students that are on track to be career ready.

FUNCTIONS, STATISTICS, & TRIGONOMETRY (11 or 12) (1 Credit)

FST is a course that brings the topics of Algebra and Geometry together. This course includes ideas on data analysis, function modeling, transformation of graphs, Trig relations, power functions, sequences and series, polynomial functions, and matrices.

PRACTICAL MATH

Practical math fulfills the required senior year math credit. The course covers life skill/practical math concepts, including (but not limited to) personal finance basic algebra concepts review In the personal finance portion topics such as writing checks, balancing a checkbook, calculating wages, budgeting, insurance, credit, and loans are covered. The algebra review portion covers topics such as expressions, solving equations, graphing linear equations, and systems of equations.

PRECALCULUS AND DISCRETE MATHEMATICS (12) (1 Credit)

Precalculus investigates traditional concepts of calculus such as: maxima, minima, infinite sequences, limits, derivatives and integrals. Discrete mathematics covers topics such as: formal logic, recursion, mathematical induction, combinations and graph theory - all topics vital for a world, integrates the concepts of calculus and discrete mathematics and is applied to real-world situations.

SCIENCE

PHYSICAL SCIENCE (9) (1 Credit)

This course serves as an introduction to the physical sciences of chemistry and physics. Topics are split fairly evenly between the two areas, and include the Nature and Methods of Science, Energy and Motion, Matter, Substances/their Interactions, Light/Sound, and Electricity. Group work, laboratory experiments, data recording, and manipulation of data will help build a foundation for further courses in the sciences.

BIOLOGY (10) (1 Credit)

Students will study life from a modern molecular biology standpoint to include taxonomy (the scientific names of at least 75 plants and animals), biochemistry, cell biology, zoology, botany, and an overview of plant and animal anatomy and physiology. Moreover, the student will write a research paper that will be presented in front of the class. Applications of these topics to medicine, toxicology, and field methods will be emphasized.

CHEMISTRY (11) (1 Credit)

Chemistry covers all of the core chemistry topics: matter and energy, atomic structure and bonding, chemical reactions, states of matter, chemical equilibrium, acids and bases, redox chemistry, kinetics, and organic chemistry. A variety of methods will be utilized, including: labs, lectures, group work, and problem solving.

PHYSICS (11-12) (1 Credit)

Physics is the study of the physical world around us, by using problem solving, critical thinking, and lab applications. This course focuses on the topics of mechanics and kinematics, such as motion, forces, momentum, and energy. Other topics included in this course are electricity, waves, rocketry, roller coasters, and nuclear physics. Many of the labs involve the use of computers and electronic sensors to gather data. This class deals with a lot of mathematical problem solving and is best taken by those students that are college bound. Physics is either the fourth or fifth course in the Professional Prep Pathway and could include a spring trip to a roller coaster amusement park.

ENVIRONMENTAL SCIENCE (11-12) (1 Credit)

Environmental Science engages students in the study of how science applies to real-world environmental issues. Students strengthen their thinking skills as they learn how science furthers our understanding of how humans interact and live with the environment.

SOCIAL STUDIES

WORLD GEOGRAPHY/HISTORY (9) (1 Credit)

World Geography is designed to provide an understanding of the Five Themes of Geography, and how they pertain to the many different geographic regions of the world. The course will introduce students to the many cultures, religions, ethnic groups, and languages. Areas such as Latin America, Eastern and Western Europe, Russia's new Commonwealth, the Middle East, and Australia and how they compare to the United States. Units which might be included are human rights, peace and conflict, armaments, world trade, economic development, energy, natural resources, population, food and hunger, linguistics, culture, and technology. Subject matter will be approached by exploring how an issue is affected by and in turn affects the people from a variety of cultures and regions. The students will acquire an understanding of the values and priorities of the many cultures of the world as well as the acquisition of basic concepts and principles related to the world community.

UNITED STATES HISTORY (10) (1 Credit)

This course will explore the influence of government, geography, diversity, economics, culture, foreign relations, and science and technology on U.S. history. It will cover the story of our nation from 1877 to the present, with emphasis on the 20th Century.

ADVANCED PLACEMENT U.S. HISTORY (10) (1 Credit)

The Advanced Placement course in United States History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a two semester survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents. Students will master a broad body of historical knowledge and demonstrate an understanding of historical chronology. They will be able to use historical data to support their argument or position, interpret and apply data from original documents, including cartoons, graphs, letters, etc. Students will effectively use analytical skills of evaluation, cause and effect, compare and contrast, along with working with others to solve problems.

ECONOMICS/AMERICAN GOVERNMENT (11) (1 Credit)

Economics is a semester-long course, paired with American Government, which uses the Junior Achievement Applied Economics Curriculum. This course is a complete overview of both macro-and micro-economics. Some of the concepts the student will learn about are: what is economics, the consumer in our economy, all areas of business (both large and small), supply and demand, the marketplace, role of labor and government in our economy, money, financial institutions, and the global economy. The course is fast-paced, with chapter tests occurring one per week. Economics is required for graduation. American Government is a one semester long survey of the structure and function of federal, state, and local governments, political parties, nominations and elections, and the rights and responsibilities of the United States citizens. Manistique Area Schools is committed to creating better citizens for our community as well as our country. In order to achieve this goal, this course may include some community service, and/or volunteer work for local projects.

ECONOMICS/AP AMERICAN GOVERNMENT (Grade 11, 1 Credit)

The Advanced Placement course in United States Government and Politics is designed to give students an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up U.S. political reality. The course will focus on these American Government topics: Constitutional underpinnings of democracy, political beliefs and behaviors of individuals, political parties and interest groups, the Congress, the Presidency, the bureaucracy, the federal courts, civil liberties, and civil rights. Manistique Area Schools is committed to creating better citizens of our community as well as our country. In order to achieve this goal, this course may include some community service and/or volunteer work for local projects. After successful completion of the Advanced Government Class, the student will have a comprehensive knowledge of United States government and politics.

SOCIOLOGY (11-12) (1 Credit)

This course will analyze today's social problems. Students should be willing to discuss thier views on the problems, with good sound facts to base their views on, and an open mind is needed but not necessary. We will be using Sociology: The Study of Human Relationships, Holt, Rinehart and Winston as our text.Some topics we will study are: research methods and terminology, culture, conformity, deviance, social interaction, social stratification, the life cycle, family roles, education, etc., and how they all affect how we live and act in this world today. Tests, papers, quizzes, worksheets, along with class discussion will make up your grade. Also two (2) research papers are due, one in the first semester and one in second semester. The first one concerns sociologists and their theories; the second on possible social problems and solutions. This is a social studies elective, designed for the senior year.

VPAA (Visual, Performing, Applied Art)

ART 1 (1 Credit)

The focus of 2-dimensional art is based on the elements of art and principles of design as well as art criticism, art history and aesthetics. The first marking period is reserved for the development of basic drawing skills in several black and white mediums. Then, students expand into color theory and its application, methods and techniques that define a 3-dimensional work of art, and the elements of art and the principles of design guide us through the development of critical thinking skills and are our objective in the building processes. We explore various artists, their work and their place in history. Terminology, classroom procedure, safety in the art room and a daily sketchbook will be ongoing throughout the program. Students are required to provide their own sketchbooks.

ADVANCED ART II, III (1 Credit)

Students must have a prerequisite of one full year in art (must include one semester of 2-D art) with a B average or higher. It will be assumed that students understand art-related terminology, basic processes, that they have an interest in art and a strong desire to excel in art. Students will delve deeper into the creative processes through both black/white and color mediums. Finished work will be compiled, organized, photographed and arranged into a working portfolio. Art history, critical thinking, aesthetics and a daily sketchbook are ongoing throughout the program. Students are required to provide their own sketchbooks.

AP STUDIO ART (1 credit)

Students must have a prerequisite of one full year in art (must include one semester of 2-D art) with a B average or higher and have a recommendation from the art teacher. This course will: encourage creative and systematic investigation of formal and conceptual issues,emphasize making art as an ongoing process that involves the student in informed and critical decision making, help students develop technical skills and familiarize them with the functions of the visual elements, and encourage students to become independent thinkers who will contribute inventively and critically to their culture through artmaking.

HIGH SCHOOL BAND (Instrumental Music) (1 Credit)

The high school bands are performing classes. Initially, students learn the basics of reading and playing music. Students are expected to progress in their abilities with grade advancement. Band students perform three concerts during the school year. Other opportunities for students include participation in pep-band and attendance on fine arts related field trips. Attendance at ALL performances is REQUIRED. (Varsity football players and varsity cheerleaders are excused from football halftime performances.)

BUILDING CONSTRUCTION (INTRO TO) (1 Credit)

This course meets the VPAA graduation requirement.Freshman/Sophomore survey course exposes pre-vocational students to an overview of the Building Trades program. Introduces concepts that will be revisited in building trades 1 & 2.

WELDING: INTRODUCTION (1 Credit)

This course meets the VAPPA graduation requirement. The welding program is designed to help develop job entry-level skills for the student interested in a career in welding. The student will learn basic and advanced skills in ARC, MIG, TIG and Oxyacetylene welding. A major emphasis in ARC welding is developing the welding techniques necessary to meet the standards of the American Welding Society. Students will also develop advanced welding procedures, blueprint reading and job analysis through independent study and work experience.

LANGUAGE OTHER THAN ENGLISH

SPANISH I (9-12) (1 Credit)

This is an introduction to basic conversational Spanish with an emphasis on written rather than spoken language. Students will learn the mastery of Spanish sounds through an extensive vocabulary of numbers, colors, household and classroom objects, weather, and topics that they can relate to their everyday lives. Basic Spanish grammar will be introduced such as noun/adjective agreement, verbs, adjectives, and direct objects. Strength in English grammar and usage is recommended.

SPANISH II (10-12) (1 Credit)

This course will develop and improve students' oral accuracy by building on and using, in their basic conversations, the vocabulary and material they learned in Spanish I. They will continue to learn new vocabulary and different verb tenses so they can communicate in the past and future tenses. They will also be required to keep a Spanish journal. This course is a fine arts elective, rather than an English credit.

SPANISH III (11-12) (1 Credit)

Spanish III will develop the student's reading and writing comprehension. Students will continue learning complex verb tenses as a continuation from Spanish II. Students will be required to keep a Spanish journal. An oral conversation will be required for both the midterm and the final exam using present, past and future verb tenses. This course is a fine arts elective, rather than an English credit.

OTHER (Michigan Virtual High School)

Students also have the option to explore other LOTEs (Language other than English). Michigan Virtual High School offers many foreign languages online. Students can choose French, German, Latin, or American Sign Language. Courses are offered in 0.5 credit/semester options.

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION/HEALTH (9) (0.5 Credit Each)

Health and physical education is a requirement for all students. The PE course will consist of a variety of activities including team sports, individual sports, and physical fitness. Health covers nutrition, tobacco and other drug and alcohol abuse, HIV/AIDS, Sexually Transmitted Infections (STI), and reproductive health. Integrated throughout the course are opportunities for students to learn and practice interpersonal communication skills, manage conflicts, and recognize violent situations. They are expected to practice respect, responsibility and self-control to thrive on a day-to-day basis, and maximize their potential physical, emotional, social and intellectual growth.

CAREER/TECHNICAL EDUCATION

AUTOMOTIVE TECHNOLOGY I & 2 - 2-Hour Blocks (2 Credits)

This course is a comprehensive study of the theory and repair of automotive systems. Instructional units include engine repair, electrical systems, drive trains, steering and suspension and brakes. These instructional units begin to prepare the student for successful passage of the State of Michigan mechanic certification tests. Students will also focus on their career interests through involvement with a variety of school-to-work activities such as job shadowing, work experience and mentorships. In addition, students will be involved in the development of individual projects and manufacturing processes. This course can fulfill the senior year math requirement or count as second year foreign language.

BUILDING TECHNOLOGY I (10-12) - 2-Hour Block (2 Credits)

Building Technology is designed for students interested in learning basic skills related to the construction and maintenance of small and large structures. Hands-on experience will be gained through the construction of a house, from the planning stage to completion, as well as various building/repair projects. Learning experiences will be gained through introductions to hand and power tool use, building materials, blueprint reading, computer aided design, concrete work, brick and block masonry, carpentry skills, roofing, insulation, windows and doors, interior trim, vinyl siding, plumbing, electrical cabinet making, drywall hanging and finishing, painting, finishing woodwork, landscaping, and employability skills. This course can fulfill the senior year math requirement or count as second year foreign language.

BUILDING TECHNOLOGY II (12)-- 2-Hour Block (2 Credits)

Second year Building Technology students will further develop their construction and leadership skills. They will be assigned as Crew leaders, and will focus on their own career interest. Advanced second year students can also be placed on a work experience site with a contractor in the community to further define their career goal. This course can fulfill the senior year math requirement or count as second year foreign language.

CAREERS IN EDUCATION I (11 AND 12) - 2- HOUR BLOCK (2 Credits)

The Careers in Education I course introduces high school junior and senior students to careers in teaching and education. Students study the growth and development of the learner, as well as the social, political, philosophical, cultural, legal and economic forces that shape the United States public education system. In addition, students participate in classroom observations and an extended on-site experience assisting a classroom teacher with one-on-one student assistance, group monitoring, and whole class instruction. Students study child development and the principles of effective teaching practices. All Careers in Education I students will be provided an on-site work experience in the Little Explorers Preschool classrooms and will participate in the Educators Rising Leadership Competition. A strong interest in exploring a career in education and a desire to work with young children is recommended.

CAREERS IN EDUCATION II (12) - 2- HOUR BLOCK (2 Credits)

The Careers in Education II course is open to high school senior students who have successfully completed Careers in Education I and wish to broaden their knowledge and skills through more extensive training and work experience. This course reinforces the content learned in the year prior through participation in an education internship. The internship may involve working at a preschool level through middle school classroom and is selected to match the student's career focus. All students will participate in an Educators Rising leadership competition. A sincere interest in pursuing a college degree in an education related field is recommended when enrolling in this course.

HEALTH OCCUPATIONS I (11-12) 2-Hour Block (2 Credits)

The Health Occupations Cluster Program is designed to assist all students in acquiring transferable skills and technical experience to meet the growing needs in basic health care fields. Instruction will be provided in the Career & Technical Center and in off-site, community work sites. The program works in cooperation with the student's family, participating schools, health care providers, community service organizations, and institutions of higher learning. The goal of the first year is to emphasize the common core/foundation skills that are transferable to a wide variety of health care occupations. Desirable employee attributes and employability skills will be developed.. An investigation into career choices and writing a resume, as well as completing job applications will be addressed. Opportunities for job shadowing in areas of interest will be available. CPR/First Aid is available for 2 year certification. This course can fulfill the senior year math requirement or count as second year foreign language.

HEALTH OCCUPATIONS II (12) 2-Hour Block (2 Credits)

Health Occupations II provides introductory experience in a specific health field and/or advanced training & education. This is accomplished through related classroom course-work and work experience opportunities in the community. Each student completes one or more internships during the year. Second year students have an opportunity to participate in the vocational youth organization, HOSA. This enhances the health occupation program by providing opportunities for leadership training and for obtaining valuable communication skills, as well as an opportunity for students to compete with other students on a local, regional, state, and national level. CENA--Certified Evaluated Nurse Aide Program is an optional part of this course, Minimum 75 hours of classroom training/and 24 hours of clinical training. This course can fulfill the senior year math requirement or count as second year foreign language.

PRE-ENGINEERING I (10-12)-- 2-Hour Block (2 Credits)

This course is designed to provide students with training in the area of Computer Assisted Drafting. Components of the course include the study of the principles and graphic methods currently employed in this industry. Emphasis is placed on learning basic and higher level CAD concepts in addition to acquiring fundamental computer skills. Drafting topics covered include geometric construction, technical sketching, orthographic projection, axonometric drawing, oblique drawing, perspective drawing, and dimensioning, section, primary and secondary auxiliary views. Computer topics include Windows, CAD systems, configuration of software, and software compatibility. Employability skills will also be taught as part of this course. This course can fulfill the senior year math requirement or count as second year foreign language.

PRE-ENGINEERING II (11-12)- 2-Hour Block (2 Credits)

This course is designed to give students basic knowledge of three-dimensional (3D) software. The student will create 3D models using the basic concepts of parametric design. The software package used in this class are AutoCAD , Mechanical Desktop and Solid Edge. In the course of the year students will be exposed to the following topics: Boolean operations, rendering, mass properties, 3D modeling, parametric design and 3D animation. This course can fulfill the senior year math requirement or count as second year foreign language.

WELDING II AND III (11-12) 2 Hour Block (2 Credits)

Advanced welding techniques associated with ARC, MIG and TIG will be applied in the classroom setting. Additionally, students will have the opportunity to earn skills based certifications and participate in welding competitions. Juniors may sign up for the Middle College Track and work towards a welding certificate at Bay College by completing a '5th year' of high school. This course can fulfill the senior year math requirement or count as second year foreign language.

ELECTIVES

ADVANCED FITNESS (1 Credit)

Fitness programs are designed for individual students that are pursuing improved performance in MHSAA athletic sports. Activities include stretching, strength and conditioning and sport specific kinesthetic drills.

AP COMPUTER SCIENCE PRINCIPLES (1 Credit)

AP Computer Science introduces students to the central ideas of computer science, inviting students to develop the computational thinking vital for success across multiple disciplines. The course encourages students to be creative and encourages students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life.

ACCOUNTING (1 Credit)

This business course focuses on basic accounting principles covered by Michigan Standards and Benchmarks. Students will use computers/chromebooks to access online accounting tools and coursework. This elective can be used as a math credit during the senior year.

INDEPENDENT LIVING (1 Credit)

Whether a student is going into the world of work or have been accepted to a college, they all need to know the basic life skills to help lead a healthy happy life. Units/Topics covered in the course include (but are not limited to): Career Exploration (post high school plans, job applications, resumes, cover letters, job interviews), social skills, stress management, sewing, cooking, places to live (renting vs.buying, roommates, organizing an apartment/house), dating/marriage/children, money management(money habits, goals, decisions, budgets), borrowing (using credit, credit rating, identity fraud), and financial services (checking accounts, financial tools, banking).

STEM

The goal of STEM (Science, Technology, Engineering, and Math) is to foster a learning environment in which students are encouraged to create and explore projects built to design specifications using concepts and skills from math, engineering, science, and technology. The mission of the course is to grow students' capacity for creativity, fun, and back-loaded learning in a STEM context. This course will be broken into four, nine week sections focusing on, but not limited to Electricity, Drafting, Engineering, Small Engine Repair, and Welding. Through a combination of interactive, cloud based STEM curriculums, classroom activities, and hands-on opportunities, we will create small projects, such as bridges and vehicles. This course can count as a third science elective credit or a fourth year math credit.

WORK-BASED LEARNING COURSE (1 Credit)

This course is a work-based course designed to allow the student the opportunity to go off campus and perform unpaid duties. Students will be responsible for securing their work-based site. Students will be granted high school credit for their work-based experience course and the student cannot receive payment for duties performed at the site.

YEARBOOK (1 Credit)

The primary purpose of the class is to produce the Manistique High School Yearbook. By working with the business community, students will secure needed advertisement to help finance the cost. While working within a budget, the costs determine the size of the book; students determine the quality. Students will write articles, learn basic photographic skills and develop basic page layout techniques.

VIRTUAL LEARNING

MICHIGAN VIRTUAL

Students may earn credit through Michigan Virtual HIgh School. These courses are designed in conjunction with the Michigan Department of Education and are therefore aligned to Michigan Standards and Benchmarks. This course will have a mentor in or out of the classroom because MIVHS online courses have a live teacher interacting with the student through the computer. Michigan Virtual is the sole platform allowed for students that wish to make advanced progress towards graduation.

ODYSSEYWARE

Students may earn credit through the OdysseyWare platform. These courses are designed in conjunction with the Michigan Department of Education and are therefore aligned to Michigan Standards and Benchmarks. This course will have a mentor/teacher that is outside of the classroom. See Full List on the additional OdysseyWare Handout.

CREDIT RECOVERY

Students may recover credits through the use of Odyssey-Ware site licenses held by the Manistique Area Schools. Payment and parameters for these courses can be found in the counselor's office. Students may also complete credit recovery through Keystone Credit Recovery.

COLLEGE CREDITS

Manistique Area High School students earn college credits through three pathways:

1. Dual Enrollment- Students that take college class through Bay Community College.
2. Advanced Placement- Students that are enrolled in AP courses will sit the end of the course exam. Earning a 4 or 5 on these tests will garner a college credit.
3. Middle College- Welding and Auto students can earn a certificate or an Associate's by committing to a 5th year of high school.

ODYSSEYWARE COURSE OPTIONS and GUIDELINES

OdysseyWare courses can be taken as electives, credit recovery during the school day, or credit recovery outside of the school day (at a cost) when a certified teacher is available for the course.

ELA
English 9 (I)
English 10 (II)
English 11 (III)
English 12 IV

MATH
Algebra I
Geometry
Algebra II
Consumer Math

SCIENCE
Physical Science
Biology
Chemistry
Earth Science
Environmental Science

SOCIAL SCIENCE
World Civilizations
Economics
Government (Civics)
Civil War
Vietnam Era
World Geography
21st Century American History
U.S. History –Foundations to the Present
U.S. History –Reconstruction to the Present

PE/HEALTH
Health
Personal & Family Living
Physical Education

FOREIGN LANGUAGE
Spanish 1
Spanish 2

SEMESTER ELECTIVES
20th Century American History
Business Law
Essentials of Business
Principles of Business and Finance
Career Management
Career Explorations
Civil War Era
Keyboarding + Applications
Money Matters A/B
Personal Finance/Literacy
Small Business Entrepreneurship
Vietnam Era

FULL YEAR ELECTIVES
Consumer Math
Art History
Earth Science

qualifiers:

- Online courses for classes that we offer in the classroom can be taken if our teacher taught course does not fit into the student's normal schedule.
- For the 20/21 school year, the MAS board of education will allow instruction of all courses listed in the course catalog as traditional/seated courses to be adapted for delivery in a virtual format.
- Classes/Information contained in this catalog apply to courses taught at the Jack ReQue Alternative School.