

## STUDENT SCHEDULING

Scheduling of classes for high school is an exciting and important process. Students begin to mold their future by the courses they select and the direction they choose in high school. Scheduling time is a good opportunity for families to discuss interests, skills and career plans together. A student's family has a great influence on career decisions and future plans. To assist with this process, each year all students get the opportunity to complete an Educational Development Plan (EDP). The EDP is a snapshot of the goals the student would like to achieve, the extra curricular activities they enjoy, the skills they have, the things they should improve upon and careers they may be interested in. The awareness of their potential future plans helps them to choose meaningful classes during their time in high school.

At school, the scheduling process goes through several steps. First, students meet in the auditorium as a class to hear a summary of course options available. Next, we meet with students in class to hand out the information packets, explain courses, provide guide sheets, review graduation requirements and answer any questions. During this time, we also work to plan the students courses for their entire time in high school. This plan serves as a starting point in designing a high school course plan to fit their future goals. Students are instructed to take home the information packet and review it with their families. Lastly, students return the completed and signed enrollment sheet and register their chosen classes into PowerSchool. The student may meet with us for further assistance at any convenient time.

From student course selections, the number and size of classes are determined. It is therefore very important that careful planning be exercised by parents and students prior to making course selections because changes will, in general, be denied after school begins in September.

We are open to any calls or questions students and parents might have in regard to course selection. We encourage your interest and participation. Our contact information at the Guidance Office is 475-7861 or michelle.morey@negauneschools.org.

## GRADUATION REQUIREMENTS

Graduation from Negaunee High School requires the successful completion of twenty-two credits. Any course successfully completed for one semester is given one half credit. Any course successfully completed for the entire year is given one full credit. Negaunee High School grants credit on a semester basis for all courses; that is, a student is required to successfully complete a minimum of one semester to receive credit.

	<b>CREDITS</b>
<b>English</b>	
English 9A & English 9B.....	1
English 10A & English 10B.....	1
English 11A & English 11B.....	1
Elective.....	1
Total (English) .....	4
<b>Math</b>	
Algebra 1 or Math Foundations .....	1
Geometry.....	1
Algebra 2.....	1
Senior Year Course .....	1
Total (Math) .....	4
<b>Science</b>	
Physical Science.....	1
Biology.....	1
Chemistry or Physics .....	1
Total (Science) .....	3
<b>Social Studies</b>	
World History .....	1
American History.....	1
American Government.....	1/2
Economics.....	1/2
Total (Social Studies).....	3
<b>Physical Education</b> .....	1/2
<b>Health</b> .....	1/2
<b>Foreign Language</b> .....	2
<b>Visual, Performing, Applied Arts</b> .....	1
<b>Computer Class</b> .....	1/2
<b>Electives</b> .....	3 1/2
<b>TOTAL</b> .....	<b>22</b>

## BUSINESS EDUCATION SERVICES/TECHNOLOGY

### 010 BEST 1 ½ Credit Semester

Prerequisite: None

BEST I—is a comprehensive computer-based business course that builds skills to prepare students to effectively use technology and be successful in high school and beyond. Microsoft Office concepts will be reinforced. Innovative technology and software will be used to develop multimedia projects. Students will learn to organize and share media content efficiently. Simulations to develop digital ethics, literacy skills and necessary workplace competencies will be completed. Work habits, problem solving, critical thinking, and decision-making skills are emphasized throughout the semester. Course completion is required for advancement into BEST II.

### 015 BEST 2 ½ Credit Semester

Prerequisite: BEST 1

In BEST II—a continuation of Best I—students continue to learn and improve Microsoft Office core competencies. Employment skills, career planning, banking and entrepreneurship will be covered to promote school-to-work success. Successful completion of BEST I and II will satisfy: 1) NHS computer requirement and Michigan Merit Curriculum, 2) Online Learning experience, and 3) Visual, Performing, Fine Arts credit.

### 025 Basic Computer Applications ½ Credit Semester

Prerequisite: Only by recommendation of teacher.

This course introduces students to the basic uses of a computer. Microsoft Office applications will be used to create various business documents. Available by teacher recommendation only.

### 030 Computer Services Level 1/Windows ½ Credit Semester

Prerequisite: Grades 10 – 12

This comprehensive computer course builds skills that prepare students to effectively use technology and to be successful in high school and beyond. Topics will include: Microsoft Office, digital literacy, and innovative multimedia technology and software. Students will learn to organize and share media content efficiently while working within an online management system. Successful completion of this course will satisfy: 1) NHS computer requirement and 2) one-half (½) credit of the Visual, Performing, Fine Arts credit and Online Experience required by the Michigan Merit Curriculum. Students who received a passing grade in BEST I and II may **only** take this course with instructor approval.

### 035 Computer Services Level 2/Tech Trends ½ Credit Semester

Prerequisite: Computer Services Level 1, **or** BEST 1 and 2

This course is designed to keep students up-to-date on current technology trends in order to help them function in an increasingly networked society. Students will: 1) experience online learning first-hand and develop good strategies for success in an online environment, 2) investigate changes and new developments in technology, 3) present information using various media formats such as movies, podcasts, and electronic slide shows. The use of digitools and Web 2.0 technology will be explored and incorporated throughout the semester. This class will empower students to become independent learners and make technology more viable and useful in their daily lives. This course extends the Michigan Merit Curriculum's Online Learning experience.

\*Students may repeat this course and pursue individualized programs in the areas of Computer Information Systems and/or Business Administrative Services. Possible programs include Marketing, Fashion Merchandising, Office Specialist, Networking Fundamentals, E-Commerce, Television Production, MOUS Expert Certification and more.

### 045 Computer Services Level 3/Internet ½ Credit Semester

Prerequisite: Computer Services Level 1, **or** BEST 1 and 2

Websites have become a significant component of daily life, on both the personal level and in the workforce. Taking this course will give students the opportunity to understand the process of building a website. After learning the basic design principles associated with the visual appearances of websites, students will create their own website using Microsoft FrontPage on the Windows platform. Once students are familiar with the FrontPage program the class will focus on website design using basic HTML programming codes. This is an excellent opportunity to expose themselves to the basics of computer programming.

**055 Accounting and Finance** 1 Credit Year

Prerequisite: Grades 10 – 12

Prepare yourself for the future. Accounting is known as the language of business. This course will introduce students to the financial workings of businesses. Double entry accounting for proprietorships and partnerships will be used to complete financial transactions. Automated accounting procedures as well as the preparation of income statements, balance sheets and other financial statements will be covered. In addition, this course will include checkbook maintenance. Students that are intending to go into any business field after high school will be required to take accounting courses at the college level. This class will provide a well needed jump on the material. In addition this course will help develop organization skills which are vital in any career choice.

**060 Advanced Accounting, Computing and Finance** 1 Hour (Computerized Accounting)

1 Credit Year

Prerequisite: Grade 11 & 12, Accounting I-II

This class will be a continuation of accounting and finance. The course will focus on the financial workings of Corporations. Transactions involving stock and dividends will be covered as well as business practices surrounding inventory, depreciation and prepaid expenses. A large focus of the class will be on computerized accounting. Automated Accounting Practice Sets will be used extensively to provide an opportunity to practice the skills learned in a real-life simulation.

**068 Business Finance** ½ Credit Semester

Prerequisite: Grades 10, 11, 12

CNN has reported that the money management skills are the skill high school students are lacking most, which is one of the reasons for the increase in bankruptcy declarations. Don't fall into this trap. The Business and Personal Finance course introduces students to the world of money management and finance. They will better understand what to do with their money by learning about their financial options and responsibilities – and they will learn about the consequences of mismanaged finances. Financial concepts, such as consumer purchasing strategies, consumer credit, investing and insurance will be presented and explained. This course will teach students how to use their personal financial resources to enjoy today and be financially secure tomorrow. A computer simulation will be used throughout the course to reinforce and apply financial concepts and skills.

**070 Business Law** ½ Credit Semester

Prerequisite: Grades 11 – 12

What is “the law”? How are laws made, changed, and interpreted? How do laws influence the business and personal decisions that individuals make? How do businesses and individuals influence the development and interpretation of laws? These are some of the questions that will engage students who take this course. Attention will be focused on both the substance and the process of our legal system. As a result, students encounter and explore many important social and ethical issues. Students will also examine practical issues related to their daily lives, both now and in the future.

**085 Work Based Experience (Internship provided through MARESA)** 1 Credit Semester

Prerequisite: Grade 12. All candidates must complete an Application Form, a Resume, and Educational Development Plan. There will be a selection process and interview involved. Good attendance will be a deciding factor. Because all students are required to attend a safety workshop in the fall, students wishing to participate must make arrangements with the Guidance Office before school begins, even if the experience is scheduled for the spring.

Work Based Experience is a unique training opportunity for a limited number of senior level students to explore and experience career areas and gain skills for future jobs. Students are individually placed in a local business to learn about careers not taught in current high school or Jacobetti Center classes. This 10-hour (non-paid) per week experience will be offered in career areas where students have both an interest and a desire to learn but are limited by the training sites and occupations of the local community. Examples of “few” past sites are broadcasting, plumbing, fashion merchandising, food service, architecture, computers, etc.

## ENGLISH

**106 English 9A** ½ Credit Semester

Grade 9

This course incorporates the study of literature and writing in various genres. Novels, drama, poetry, short fiction and some non-fiction are included. Students are required to write a variety of pieces in response to literature and discussion. Skills in research, reading, and writing are stressed.

**111 English 9B** ½ Credit Semester

Prerequisite: English 9A

This course reinforces and expands upon the skills learned in the first semester. Students explore themes and styles common to literature from Ancient Greece to the present day. Students interact with and present content using technology in keeping with today's standards.

**121 English 10A** ½ Credit Semester

Grade 10

This course is designed to help students develop and refine skills in both reading (fiction and non-fiction) and writing in a variety of formats. Course content emphasizes understanding and appreciation of differences in a diverse society.

**125 English 10B** ½ Credit Semester

Grade 10

This course provides experiences in research, writing and public speaking. Instruction and assignments will address language, delivery, listening skills, audience, organization of ideas, and values in communication. Fiction and nonfiction materials are used.

**130 English 11A** ½ Credit Semester

Grade 11

Required for graduation. This course is a study of American Literature from its beginnings to the twentieth century. Emphasis is on themes inherent in the American experience. Novels, poetry, short fiction and some non-fiction are included. Students are required to write a variety of pieces in response to the literature. Student skills in reading and writing are stressed.

**135 English 11B** ½ Credit Semester

Prerequisite: Grade 11

Required. With the emphasis on American Literature of the twentieth and twenty-first centuries, this course explores the complex issues of culture, society and the human experience. In the context of thematic units of study, students will read and write in a variety of genres. Student skills in reading and writing are stressed.

**145 College Prep Humanities I** ½ Credit Semester

Prerequisite: Grade 12

Required for the college prep student. This course is an in-depth study of the literature and writing at a college level. A variety of themes (good, evil and the human condition, individuality and social control, choice and responsibility) will be explored through novels, plays, poetry and short fiction. Students will also write a variety of pieces including personal narrative, literary analysis, multi-genre and other rhetorical modes.

**150 College Prep Humanities II** ½ Credit Semester

Prerequisite: College Prep Humanities I, Grade 12

Recommended for the college prep student. This course continues the in-depth study of College Prep I. Focus will be on themes in literature, art, religion, philosophy and history. Students will continue to explore various modes of rhetoric and personal expression to further prepare them for college level writing.

**160 Individual Literature** ½ Credit Semester

Grades 10, 11, 12

This is a course designed to help the student develop their reading abilities through structured reading on the theme or type of their choice. Conference, discussion and some written assignments will determine the grade.

**170 Creative Writing** ½ Credit Semester

Grades 11, 12 (Grade 10 may enroll with teacher permission)

This is a course designed to exercise your imagination and allow you to experiment with a variety of creative genres. Students are required to write daily, keep a writer's notebook and produce pieces for evaluation including memoir, narrative, description, poetry and multi-genre.

**185 Poetry** ½ Credit Semester

Grades 11, 12

In this course students will become acquainted with poetry not only in the sense of form and ideas, but also how it can enrich and influence their lives. Discussion will be used to encourage students to express their opinions of "what" and "how" a poem means. The course will also include a strong writing element in which students will compose original poetry based on themes and models. Individual exploration of poetry and a variety of creative and analytical projects will also be included in the course.

## FINE ARTS ART

### **205 Art 1 & 2** 1 Credit Year

Prerequisite: None, open to Grades 9, 10, 11, 12

This course is designed to give the student an exploration of the visual arts and creative crafts. The student is encouraged to develop an awareness of the values of art in our daily lives as a producer and consumer. Emphasis is placed on understanding and incorporating the elements of art. Art history and art appreciation are also covered.

### **210 Advanced Art** 1 Credit Year

Prerequisite: Art 1& 2 or permission of instructor

An expanded survey into the various study areas in the general field of art is covered in this course. The fine and applied arts are explored so that the student can discern and appreciate the products of art as intelligent maker and consumer. More emphasis is placed on skills, techniques and originality in the inception and development of the work of art by the student. This course of instruction may include: drawing, painting, printmaking, photography, computer-assisted drawing, jewelry, pottery, sculpture, construction, art history and appreciation.

### **220 Ceramics & Arts / Crafts** 1 Credit Year

Prerequisite: None, open to Grades 9, 10, 11, 12

Emphasis on various production methods such as hand-built, wheel thrown, extrusion formed, and original mold production. Emphasis on production includes multiples and one of a kind ceramic containers and sculptures. Learning will include kiln setup, firing and glazing techniques. Life-long, learning-based safety procedures will be emphasized. Students may be able to purchase special or additional materials. Other craft related activities are included.

## MUSIC

### **225 Mixed Chorus** 1 Credit Year

Prerequisite: None

This group continues the study of the nine points of vocal production. The chorus learns all styles of music sung in four or more parts. Music reading is a continuous study. Music is prepared for use in public performances, which may require a minimum of after school participation. Other experiences available include solo and ensemble activities.

### **230 Concert Band** 1 Credit Year

Prerequisite: Three years of study on a wind or percussion instrument or the equivalent thereof. This band is comprised of freshmen and sophomores with some upperclassmen with schedule conflicts.

All Concert Band members are members of the Negaunee High School Marching Band and Pep Band. The Marching Band performs at all home varsity football games and the Negaunee observance of Memorial Day. The Pep Band performs at home varsity basketball games. In the Concert Band, music of all styles is prepared and performed. In the context of this, music history and theory are emphasized. The band and its members participate in the various band festivals and the solo and ensemble festivals. Students are encouraged to study privately.

### **235 Symphonic Band** 1 Credit Year

Prerequisite: Five years of study on a wind or percussion instrument or the equivalent thereof. This may be waived under circumstances to include proper instrumentation and scheduling conflicts. This group is comprised of juniors and seniors with some underclassmen.

All Symphonic Band members are members of the Negaunee High School Marching Band and Pep Band. The Marching Band performs at all home varsity football games and the Negaunee observance of Memorial Day. The Pep Band performs at home varsity basketball games. In the Symphonic Band, music of all styles is prepared and performed. In the context of this, music history and theory are emphasized. The band and its members participate in the various band festivals and the solo and ensemble festivals. Students are encouraged to study privately.

### **240 Jazz Band** 1 Credit Year

Prerequisite: A student must be able to read and perform standard band music notation. Auditions will be required pending any overload in the below instrumentation. Prior membership given first choice.

Devoted to the study of jazz music, this class will meet five days a week. Most days will be strictly for performing music written in the jazz idiom, which includes improvisation, with time spent studying the history of jazz music in America. Instrumentation for the jazz band will be as follows:

4 Alto Saxes	2 Tenor Saxes	1 Baritone Sax
4 Trumpets	4 Trombones	2 Pianists
1 Percussionist	1 Rhythm and Lead Guitar	1 Bass Guitarist

### **245 Orchestra** 1 Credit Year

Prerequisite: Four years of study on a stringed instrument or the equivalent thereof. This may be waived with the permission of the director under special or unusual circumstances.

Orchestra is a performing ensemble open to all high school students. A strong background in string technique is the only prerequisite. Music of all periods and styles are performed. The orchestra performs several times a year in the community plus there is an opportunity to participate in music festivals. Private study is encouraged as well as the opportunity to play in small ensembles.

## **FOREIGN LANGUAGES**

### **305 Spanish I** 1 Credit Year

An introduction to the language with listening and speaking being stressed. Attention will also be given to the culture and history of the Hispanic people. **Can begin Spanish requirement in 9<sup>th</sup> or 10<sup>th</sup> grade.**

### **310 Spanish II** 1 Credit Year

Prerequisite: Spanish I

A continuation of first year with more emphasis on fluency in all areas; speaking, listening, reading and writing. **Culture and history will be studied as well. Fulfills the Foreign Language requirement.**

### **315 Spanish III** 1 Credit Year

Prerequisite: Spanish II

Goals are to expand the vocabulary and grammatical base of the students. More abstract concepts will be presented at this level as well as more structured writing and light literature. Class will use as little English as possible.

### **320 Spanish IV** 1 Credit Year

Prerequisite: Spanish III

At this level, students should feel very comfortable with the language, history and culture of the Hispanic world. Literature will become a larger portion of the class work. Classes will be conducted predominately in Spanish.

## **HUMAN SERVICES**

### **425 Hospitality & Culinary Arts** 2 Credits Year

Prerequisite: Grade 12

This Culinary/Hospitality high school course offered at the NMU Jacobetti Center will introduce students to skills and careers in the diverse hospitality industry. The course will cover guest services, culinary arts, baking, sanitation, applied math/finance and safety taught in lab (40%) and lecture (60%) learning experiences. Students will participate in catering and cafeteria operations taught in culinary arts and baking. Students can earn up to 10 NMU credits based on their course performance and faculty recommendations. **1. Classes will meet five days a week from 12:21 to 2:21pm. 2. Students must provide their own transportation.**

### **450 Health Occupations Program** 2 Credits Year

Prerequisite: Grade 12

This vocational course is designed for the student to explore the diversity of the health care field. During the 1<sup>st</sup> semester, students are instructed in anatomy and physiology, diseases and treatment, and medical terminology. Personal care skills will be taught and practiced in a lab setting. CPR and First Aid certifications will be earned. CAN (Certified Nurse Aid) classroom and clinical lab skills are also an option for those students interested. In the 2<sup>nd</sup> semester, students move out into the clinical setting 3 days a week. Students will explore a variety of health careers by observing in areas such as Emergency Room, Obstetrics, Surgery, Cardio-Pulmonary Services, Physical and Occupational Therapy, Radiology, and Laboratory. Under supervision, students will practice nurse aide skills at the hospital and nursing home. Other community clinical experiences may be available, such as pharmacy, dental, chiropractor, and veterinary. College credits may be earned for Medical Terminology and CPR/First Aid for NMU, LSSU, Finlandia, and Bay. Good attendance is mandatory. **Students will be bussed to the site.**

#### **460 Cosmetology 2 Credits Year**

This Cosmetology high school course offered at the NMU Jacobetti Center will introduce students to the cosmetology and manicuring careers. The lecture (40%) portion of this course will cover chemical texturizing, hairdressing and styling and bacteriology/infection control. The practical lab (60%) will cover hands-on techniques that correspond with lectures. Based on performance and attendance students can earn NMU advance college credit and accrue required training hours required for a State of Michigan Cosmetology License. 1. Classes will meet five days a week from 8:30 to 10:30am. 2. Students must provide their own transportation.

## **INDUSTRIAL TECHNOLOGY**

#### **505 General Drafting 1 Credit Year**

Prerequisite: None

General drafting is a general introductory course in shop math blueprint reading, freehand sketching and an introduction to Computer Aided Drafting (CAD). Students will learn basic drafting principles that will allow them to advance to Mechanical or Architectural CAD. General Drafting is required for all **Industrial Technology Majors** and is a prerequisite for all Computer Aided Drafting and all **Industrial Technology** courses. This course is also recommended for all students in a college track entering a technical field.

#### **510 Mechanical Computer Aided Drafting 1 Credit Year**

Prerequisite: Drafting

This is a comprehensive course in machine, mechanical and sheet metal drafting. Students are given the knowledge and skills necessary to design and draw complex working drawings using Computer Aided Drafting (CAD) techniques. Drafting craftsmanship is emphasized. This course should be taken by the student planning a career in drafting, engineering, manufacturing, art and design, or going on to technical school.

#### **515 Architectural Computer Aided Drafting 1 Credit Year**

Prerequisite: Mechanical CAD

This is a comprehensive course in architectural design. Students are given the skills necessary to design and produce a complete set of working architectural drawings. Computer Aided Drafting (CAD) techniques will be used and drafting craftsmanship is emphasized. This course should be taken by the student planning a career in drafting, engineering, manufacturing, art and design, or going on to technical school.

#### **520 Advanced Computer Aided Drafting 1 Credit Year**

Prerequisite: Architectural CAD and Instructor's permission

Advanced Computer Aided Drafting (CAD) allows the student to improve on the skills already learned and to apply new (CAD) techniques. The class will involve many areas related to engineering including civil, architectural and mechanical. The students will be involved in a civil engineering bridge building program. The students will keep a portfolio of their work for future reference. This class is highly recommended for students interested in majoring in engineering, architecture, computer aided drafting or entering a technical school.

#### **525 Woodworking I 1 Credit Year**

Prerequisite: None

This is the first woodworking course designed for beginners. Students in this course will receive broad basic experience, which should be of benefit to all students taking it. Work will be performed with hand tools on several different wood species, including both softwoods and hardwoods. Common materials and simple fasteners will be introduced so that the student will have some experience with joinery and assembly work. Orthographic drawings will be used, some will be developed. Planning and problem solving will be among many experiences afforded the students of this course. Also, simple finishes, refinishing and elementary machine woodworking will be introduced along with safety procedures.

#### **530 Woodworking II 1 Credit Year**

Prerequisite: Drafting and Woodworking I

This course deals with the fundamentals of machine woodworking. Given the necessary tools, materials and requisite knowledge the student shall:

1. Operate safely and correctly such machines as the table saw, joiner, planer, shaper, handsaw, jigsaw and grinder. Acquire such knowledge as selection of suitable materials for the job, blueprint reading, shop calculations, finishing procedures and safety rules and regulations.
2. Develop an appreciation for good craftsmanship and correct work habits.

**540 Woodworking III & IV** 1 Credit Year

Prerequisite: Woodworking I & II, Drafting

Advanced woodworking is for students who have the prerequisite in handling the materials and using power machinery. The students are expected to draw and design a project on their own. The course involves cabinetmaking, wood finishing and woodturning.

**545 Metal Fabrication I** 1 Credit Year

Prerequisite: None

Metals provide a variety of experience related to the metalworking field. The broad areas of Metals is divided into bench, metals, sheetmetals, forging and heat treatment, art metals, introduction to oxyacetylene welding, metal forming and bending, metal fastening and metal finishing. The students will have every opportunity to experience problem solving with each area. The problem solving can be manipulative, planning and/or finishing.

**550 Machine Technology II** 1 Credit Year

Prerequisite: Drafting and Metal Fabrication I

Machine Shop II is a continuation of the study of metals. Emphasis is placed on bench metals, basic machine operation and heat treatment. Safety is stressed in all areas of machine shop. Basic welding is also a part of this course. Instruction is given in gas and arc welding in the flat position.

**555 Machine Technology III** 1 Credit Year

Prerequisite: Machine Technology II

Machine Technology III is a course continuing with machine tool operation and advanced gas and arc welding. Emphasis is placed on complex machine set-ups. The uses of different machines are introduced in this second year course. Advanced gas and arc welding is taught with emphasis on welding joints in the flat, vertical and overhead position.

**560 Machine Technology IV** 1 Credit Year

Prerequisite: Machine Technology III

Machine Technology IV is a course continuing with machine tool operation and advanced gas and arc welding. Emphasis is placed on complex machine set-ups. The uses of different machines are introduced in this third year course. Advanced gas and arc welding is taught with emphasis on welding joints in the flat, vertical and overhead position.

**575 Vocational Automobile Mechanics - Removed**

**580 Aviation Maintenance Technology** (2 Hour Block) NMU Jacobetti Center 2 Credits Year

Prerequisites: Grade 12, Algebra 1, Metals or Woods, General Science or Physics or Chemistry or Biology

This course teaches aircraft familiarization such as reciprocating engine operation, propeller theory, flight control system and inspection methods. Students will also study physics of flight, aviation math, basic electricity along with the use of hand tools.

As a part of the class students will be placed on a one to three week internship at the American Eagle Repair Facility located at KI Sawyer. 1. Classes will meet five days a week from 1 to 3pm. 2. Students must provide their own transportation.

**585 Welding** (2 Hour Block) NMU Jacobetti Center 2 Credits Year

Suggested Prerequisite: Grade 12, Applied Math, Metals, Blueprint Reading

This course teaches the basic types of metal cutting, brazing and welding techniques. Emphasis is placed on welding in various positions on metal. Successful course completion prepares students for entry-level jobs in metal fabrication, maintenance or construction fields and students will receive advanced placement credits for college Introduction to Welding. 1. Classes will meet five days a week from 12:20 to 2:05pm. 2. Students must provide their own transportation.

**590 Vocational Electrical/Electromechanical Technology** (2 Hour Block) Westwood High School 2 Credits Year

Prerequisite: Grades 11-12

This class is designed to provide students with a basic job-entry understanding in the field of electrical/electromechanical technology and a foundation for further training. Students will learn the technical processes, resources, applications, and impact of this technology in our changing society. This class will be a combination of labs, computer simulation, computer courseware, discussions, guest lecture, and industry tours. Job shadowing may also be a part of the class activities. Students will be bussed to Westwood High School.

## MATH

### 601 Math Foundations 1 Credit Year

Prerequisite: Recommendation of High School and Middle School Math Departments.

This course will review the skills needed for the development of algebra. Some of the material to be studied will be variables, graphs, linear equations and their graphs, functions, solving equations, and solving inequalities. This course will be taught to the new **Common Core State Standards**

### 622 Algebra 1 1 Credit Year

Prerequisite: Successful completion of Math Foundations and recommendation of previous mathematics teacher.

This is a course providing fundamental background in the algebraic skills and concepts required for pursuing higher mathematics. Some of the material to be studied will be systems of equation and inequalities, exponential functions, factoring, quadratic equations, and logarithms. This course will be taught to the new **Common Core State Standards**.

### 635 Geometry 1 Credit Year

Prerequisite: Algebra I

Students studying geometry in high school will further develop analytic and spatial reasoning. They apply what they know about two-dimensional figures to three-dimensional figures in real-world contexts, building spatial visualization skills and deepening their understanding of shape and shape relationships. Geometry includes a study of right triangle trigonometry that is developed through similarity relationships. These topics allow for many rich real-world problems to help students expand geometric reasoning skills. Students will also study formal logic and proofs, through the use of theorems, postulates and definitions.

This course will be taught to the new **Common Core State Standards**.

### 625 Algebra 2 1 Credit Year

Prerequisite: Geometry & Algebra 1

This course contains the mathematics that most colleges want or expect you to have studied. Familiar topics such as properties of numbers, graphs, expressions, equations and inequalities are used daily. New topics include the concept of function, matrices, quadratics, sequences and modeling of data. A graphing calculator is used throughout the year. This course will be taught to the new **Common Core State Standards**

### 640 Precalculus 1 Credit Year

Prerequisite: Algebra 2 and recommendation of previous teacher

This is a course in advanced mathematics designed to bridge the gap between Algebra and calculus. Content includes a review of linear and quadratic functions, an introduction to exponential, logarithmic, circular and trigonometric functions, a brief study of statistics, and transformations of graphs and data. The class is designed to prepare students for reading mathematics at the college level. This course will be taught to the new **Common Core State Standards**

### 645 Calculus 1 Credit Year

Prerequisite: Precalculus and recommendation of previous math teacher

This is a fifth year math course designed to give students a better understanding of some advanced topics in mathematics. The applications of derivatives, integration, transcendental functions and techniques of integration and derivatives are covered.

**Senior Year Math Course:** A senior who has finished Algebra 1, Algebra 2, and Geometry may take a CTE class in place of a math class with permission of the principal. Some examples are: Accounting & Finance, Advanced Accounting, Architectural CAD, Advanced CAD, Welding (skill center), Aviation (skill center) and Physics if not using as part of 3 credit science requirement.

## PHYSICAL EDUCATION

### 700 Health Education (Grade 9) ½ Credit Semester

Prerequisite: None

This course will deal with the study of the causes and prevention of dangerous communicable diseases and the requirements for maintaining good health. Instruction will cover physiology and hygiene with a special reference to the nature of alcohol, tobacco and narcotics and their effects upon the human system. Health class will deal extensively with developing one's mental health, including self-esteem. In addition reproduction and sexually transmitted diseases will be covered with an emphasis on AIDS education.

**705 General Physical Education** (Grade 9) ½ Credit Semester

Prerequisite: None

This is a required physical education course. It will include basic skill development in many activities. Emphasis will be on team and individual sports, which include such activities as badminton, floor hockey, softball, basketball, tumbling and gymnastics, volleyball, etc. The swimming unit will emphasize instruction in basic swimming skills and basic water safety.

**710 Advanced Physical Education** ½ Credit Semester

Prerequisite: Grades 10, 11, 12

This course is developed to give the student the opportunity to participate in an individualized physical education program. Students will be able to develop their own program. Activities may include aerobics, badminton, basketball, flag football, soccer, tennis, softball, volleyball, weight training/conditioning. Advanced personalized physical fitness programs may be structured to one's own individual needs.

**716 Swim and Stay Fit** ½ Credit Semester

Prerequisite: General Physical Education

This course is designed for swimmers and non-swimmers who want to develop a personal physical fitness program using a variety of aquatic activities. The course content will include paddleboard work, basic stroke technique, basic survival skills and aquatic games. Course content for advanced swimmers will also include endurance swimming, water exercise and some life saving skills.

## DRIVER EDUCATION

**750 Driver's Education** ¼ Credit **This credit does not count toward GPA.**

Students who are 14 years 8 months at the beginning of the course may register in the principal's office. Course will be offered a few times a year with attendance mandatory.

## DIRECTED STUDY

**791 Freshman Directed Study**

**792 Sophomore Directed Study**

**793 Junior Directed Study**

**794 Senior Directed Study** All are ½ or 1 credit Semester or 1 year

Prerequisite: Referral from classroom teacher and student must carry required academic classes for his/her grade level.

The overall goal of this course is to aggressively study core curriculum material. Students are required to bring materials from their core classes to study on a daily basis. Additional requirements include utilizing agenda book, completing assignments, using a computer generated skill-building program and learning organizational skills.

**797 Directed Studies in Math/Science** 1 Credit Year

Prerequisite: Referral by teacher or IEP

This course is designed to provide additional help in the concepts and structure of Algebra and in topics in Physical Science. It must be taken concurrently with Algebra1A, Algebra 1, or Physical Science. It will provide support to students so they can master the **new Common Core Standards in Algebra & Science.**

**Peer Coach** no credit, volunteer position from Study Hall only

Prerequisite: Application and approval by staff, agree to attend training session and obtain parent permission.

**Volunteer position:** Meet with a student with disabilities 1-2 times a week during your lunch period or work with a student with disabilities who is in one of your classes.

A peer coach offers peer to peer support by volunteering to support a student with a disability under adult supervision. The peer coach will support the student in both academic and social settings. Monthly team meetings and incentives are part of the program. Learn to relate to people with different needs and develop an understanding of individual differences, as well as hone your collaboration and problem solving skills. Students coaching students- What an awesome way to learn!

## SCIENCE

**805 Physical Science – Topics in Chemistry** ½ Credit Semester

Prerequisite: Algebra I concurrent or prior

This is half of an introductory Physical Science course that will be offered in the Fall Semester each year and will emphasize the application of the scientific method, inquiry and reflection through hands-on laboratory experiences and problem solving techniques. Topics such as properties of substances, separation processes, elements and compounds, the atomic **structure** model, chemical reactions, acids and bases, and nuclear chemistry will be included.

**806 Physical Science – Topics in Physics** ½ Credit Semester

Prerequisite Algebra I concurrent or prior

This course will be offered in the Winter Semester each year and will continue the emphasis on problem solving and hands on experiences through student projects and laboratory experiences. Topics will include forces, motion, work, energy, waves and their properties, and electricity.

**830 Biology** 1 Credit Year

Prerequisite: Grades 10, 11, 12 and credit in Physical Science, or taken concurrently with permission of instructor.

This is a one-year class, which surveys the field of biology. Topics include: Scientific Method, Diversity of Life, Ecology, Energy & Living Things, Cell Biology, Genetics & Natural Selection, Basic Microbiology, Plant Form & Function, and Animal Diversity. This class is designed to aid the student in developing laboratory skills and is essential for anyone planning a career in any type of biological science. An insect collection project is required for credit in this class.

**835 Advanced Biology** 1 credit Year

Prerequisite: A C grade in General Biology or written permission of the instructor. Chemistry is very helpful, either taken concurrently or prior to taking this class.

Advanced Biology is a continuation of General Biology and is somewhat more challenging. Topics include: Human Anatomy & Physiology, and Molecular Genetics or Ecology. A term paper is required for credit in this class.

**840 Chemistry**

Prerequisites: Physical Science, Biology, Algebra I and Permission of Instructor

This course is designed as a first course in chemistry in order to prepare students for the Michigan Merit Exam. Topics will include an introductory treatment of all Michigan High School Content Expectations in Chemistry. This course would qualify as the required Chemistry credit for graduation. However, it will NOT prepare students for College Prep Chemistry II. Topics will include: Matter, Physical and Chemical Changes, Atomic Structure, The Periodic Table, the chemical Mole, Bonding in Compounds, Chemical Equations and Equilibrium, Gas Laws, Acids and Bases and simple Carbon chemistry.

**843 College Prep Chemistry** 1 Credit Year

(Formerly Course number 840 “Chemistry”)

Prerequisite: C or Better in Physical Science, Algebra I or equivalent, Junior or Senior Status or Permission of instructor

College Prep Chemistry I will engage the student in the same topics as Chemistry, but will require a more thorough mastery of them. This course in Chemistry emphasizes the laboratory and problem solving skills needed for further study in chemistry. A strong background in mathematics will be necessary, as students will delve more deeply into the mathematical relationships in science. This course will qualify as a required Chemistry credit for graduation under the new Michigan Merit curriculum. It will encompass all the topics required for the Michigan Content Area Expectations in Chemistry and will prepare students for the Michigan Merit Exam and for College Prep Chemistry II.

**848 College Prep Chemistry II** 1 Credit Year

(Formerly Course Number 845—“Advanced Chemistry”)

Prerequisite: C or better in College Prep Chemistry I or Permission of Instructor

College Prep Chemistry II is an extension of College Prep Chemistry I with emphasis placed on more advanced problem solving, real world applications, writing in science, energy and thermodynamics, equilibrium and molecular structure. Extensive laboratory skills are practiced. This course is recommended for students who plan to pursue a career in the medical or engineering fields.

**850 Physics** 1 Credit Year

Prerequisite: Precalculus or currently enrolled in Precalculus or permission of instructor.

Physics is a course to teach the fundamentals of Physics with emphasis on problem solving and graphical solutions. The first half of the course deals with mechanics, while the second half is a study of heat, light and electricity. Development of laboratory skills and handling of laboratory data is an important part of the course.

## SOCIAL STUDIES

**910 Current Events** ½ Credit Semester

Prerequisite: Grades 11 – 12

A discussion-oriented class, using a weekly news magazine as a textbook. It develops analytical skills, as well as informing the student about the local, national and international news.

**915 Economics** ½ Credit Semester

Required by all seniors

This course will teach students the fundamentals of Economics. The four major topics of study to be covered throughout the semester are as follows: The Market Economy, The National Economy, International Economy, and Personal Finance. After completion of this course students will be able to understand the fundamental constraints imposed by limited resources, the resulting choices people have to make, and the trade-offs they face. They will be able to explain how economies and markets work and how people function within them. Students will also understand the benefits and costs of economic interaction and interdependence among people and nations.

**925 World History** 1 Credit Year

**926** Required by all Sophomores

Required by all sophomores

World History is a year long social studies course dealing with world history since the Dark Ages (ca. 1000 CE). Each semester is worth a half credit. The course content will cover the four major strands of the Social Studies curriculum: geography, economics, politics, and history. They will also study how history is made by examining sources and types of sources. Students should be able to understand and explain the major ideas, movements, and events that shape world history.

**930 American History** 1 Credit Year

**931** Required by all juniors

This is a survey of the major events of American History from Reconstruction to the present. The first semester focuses on Reconstruction, the Westward Movement, Industrialization, the U.S. becoming a world power, the Progressive Era, WWI, the Roaring 20's, the Great Depression, Roosevelt and the New Deal. The second semester covers the causes of world conflict during the 1930's, U.S. involvement in World War II, the development of the Cold War, the Korean and Vietnam Wars, the Civil Right Movement, and a review of the accomplishments of Presidents from Truman to the present.

**935 American Government** ½ Credit Semester

Required by all seniors

American Government is a one-semester course, which all students must successfully complete if they are to graduate. The class is designed to be an introductory examination of the form and function of our present government. Although the major portion of the course is spent on the study of the National Government, state, county and local governments are by no means neglected. The class consists of nine units and a major ten-week project.

**940 Sociology** ½ credit Semester

Prerequisite: Grades 11, 12

This class is designed to introduce the student to some of the basic concepts of Sociology as a science. The concepts of Culture, Social Control, Deviant Behavior, Social Organization, Groups and Interaction, and the socialization Process are emphasized.

## ONLINE COURSES

On-line courses help provide students with alternative scheduling options to take courses they otherwise may not be able to take. Course availability is based on administrator and/or counselor recommendation.

On-line courses, plus the courses taken at NHS, may not exceed seven (7) for each semester course. Each course is ½ credit. Grades earned in the course will be calculated into the GPA and class rank.

On-line courses will be offered to students through Michigan Virtual High School or another school approved on-line company. You can view course descriptions and suggested prerequisites for Michigan Virtual High School by going to the following website: <https://cems.mivu.org> and by following the course catalog links.

## ARTICULATION AGREEMENT

Negaunee High School students can earn from 2-6 college credits at NMU through the following courses.

Construction & Manufacturing Wood Products, Automotive Technology, Welding Technology, Health Occupations, Aviation Maintenance Technology, Drafting 1 & II and CAD, and Electro-Mechanical Technology. If you are interested in learning more about this talk to Mr. Marana or Mr. Kevin Bell.

## ADVANCED PLACEMENT (AP) TESTING

The AP Examinations are administered each year in May and represent the culmination of college level knowledge in a given discipline. The AP Exams test students' ability to perform at a college level.

College credit can be earned by achieving a qualifying score on the AP exam. Each post-secondary institution departments and/or colleges within the institution determine qualifying scores.

Students should visit [www.collegeboard.com](http://www.collegeboard.com) for a listing of available tests and also work with their post-secondary institution to determine scores needed and how taking an AP test would fit with their curriculum. To sign up for AP testing, contact the NHS Guidance Office.

## POST SECONDARY (DUAL) ENROLLMENT OPTION PROGRAM

The Board of Education recognizes the value to students and to the District for students to participate in courses offered by accredited and degree-granting colleges and universities in Michigan. Eligible postsecondary institutions shall include state universities, community colleges, and independent nonprofit degree-granting colleges or universities located in Michigan and that choose to comply with the Post Secondary Enrollment Options Act.

### Eligible Students Must:

- Be in grades 9-12.
- Have passed the MME or alternative (PLAN, PSAT, ACT, EXPLORE) in subject being taken.
- Be in high school not more than four years.
- Not be a foreign exchange student.
- Take up to a maximum of 10 total classes.

### How many classes a student can take is based on what grade they are in when they first dual enroll:

- Grade 9 – not more than two each year for the first three years they participate and four in their fourth year of participation.
- Grade 10 – not more than two courses the first year, and not more than four courses during the second and third academic years.
- Grades 11 and 12 – not more than six courses during either of those academic years (though for a maximum of 10 courses between both years).

### Eligible Courses

An eligible course has to be one that is:

- Not offered by the school or the student cannot take a course because of a scheduling conflict beyond his/her control.
- Taken for credit (high school credit, college credit, or both) and applicable toward a postsecondary degree at the institution where the course is being taken. The course must not be a remedial or non-credit bearing course at a university, community college, or independent non-profit degree granting college or university. (Note: a student can opt to receive high school and/or postsecondary credit for the course. This must be decided upon at the time of enrollment).
- The course may not be an activity, hobby craft, recreational, physical education, theology, divinity, or religious course.

### Tuition Support & Process

- Student dual enrolls
- College or university sends a bill for tuition and fees to the local school district.
- Local district pays the bill up to the prorated percentage of the statewide pupil-weighted average foundation allowance.
- The student receives a bill from the college or university for the balance and pays the college or university.

### Dropping A Class

- Student drops the class.
- College or university sends any applicable refund to the local school district.
- If the refund is more than what the local district paid for the class on the student's behalf, the local district returns the difference to the student, OR If the amount is not enough to fully reimburse the local district, the district may bill the student for the difference between the refund and the amount paid. 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.

## **Dual Enrollment at NORTHERN MICHIGAN UNIVERSITY**

**NMU Admissions Requirement:** NMU requires that students interested in being dually enrolled must have a minimum 3.0 GPA in academic, college-preparatory classes and a corresponding ACT (if the student has taken the test).

**NMU Process:** A high school student wishing to enroll in NMU courses while still in high school must provide the documents listed below:

- Completed Application for Admission
- Application fee of \$30.00
- Official high school transcript
- ACT or SAT score, if the student has taken it.
- Completed “Dual Enrollment – Permission to Enroll Form”
- The NHS Guidance Office will help in this process

**Once these documents are received, the materials will be reviewed by the Director of Admissions. You will be notified by the Admissions Office if you are admitted.**

## **TESTING OUT OF HIGH SCHOOL COURSES**

The Negaunee Public Schools Board of Education shall grant high school credit in any course to a pupil enrolled in high school, but who is not enrolled in the course, who has exhibited a reasonable level of mastery of the subject matter of the course by attaining a grade of not less than C+ in a final exam in the course, or, if there is no final exam, by exhibiting that mastery through the basic assessment used in the course which may consist of a portfolio, performance, paper, project or presentation. For the purpose of earning credits under this section, any high school pupil may take the final examination in any course. Credit earned under this section shall be based on a “pass” grade and shall not be included in a computation of grade point average for any purpose. Credit earned under this section shall not be counted towards graduation, but shall be counted toward fulfillment of a requirement for a subject course and shall be counted toward fulfillment of a requirement as to course sequence. Once credit is earned under this section, a pupil may not receive credit thereafter for a course lower in course sequence concerning the same subject area.

### **Procedure to implement:**

#### **August “Testing-Out”**

Students must request to test-out by May 15<sup>th</sup>.

#### **December/January “Testing-Out”**

Students must request to test out by November 15<sup>th</sup>.

**Because of other parts of the school code, Physical Education and Government are excluded from this option.**

**FOR APPLICATION OR FURTHER INFORMATION CONTACT THE GUIDANCE DEPARTMENT.**

**The Negaunee Public School District does not discriminate on the basis of race, color, national origin, sex, age, disability, height, weight, religion or marital status in its program and activities.**

**GRIEVANCE PROCEDURES FOR**  
TITLE VI OF THE CIVIL RIGHTS ACT OF 1964  
TITLE IX OF THE EDUCATION AMENDMENT ACT OF 1972  
TITLE II OF THE AMERICANS WITH DISABILITY ACT OF 1990  
SECTION 504 OF THE REHABILITATION ACT OF 1973  
AGE DISCRIMINATION ACT OF 1975

**SECTION I**

Any person believing that the Negaunee Public School District or any part of the school organization has inadequately applied the principles and/or regulations of (1) Title VI of the Civil Rights Act of 1964, (2) Title IX of the Education Amendment Act of 1972, (3) Section 504 of the Rehabilitation Act of 1973, (4) Title II of the Americans with Disabilities Act of 1990, and (5) Age Discrimination Act of 1975, may bring forward a complaint, which shall be referred to as a grievance, to the local Civil Rights Coordinator, Mary Kay Johnson, Administrative Aide for Finance, 101 South Pioneer Avenue, Negaunee, Michigan 49866. (906) 475-4157.

**SECTION II**

Any person who believes a valid basis for grievance exists shall discuss the grievance informally and on a verbal basis with the local Civil Rights Coordinator, who shall in turn investigate the complaint and reply with an answer to the complainant within five (5) business days. The complainant may initiate formal procedures according to the following steps.

**Step 1**

A written statement of the grievance signed by the complainant shall be submitted to the Local Civil Rights Coordinator within five (5) business days of receipt of answers to the informal complaint. The coordinator shall further investigate the matters of grievance and reply in writing to the complainant within five (5) days.

**Step 2**

A complainant wishing to appeal the decision of the Local Civil Rights Coordinator may submit a signed statement of appeal to the Superintendent of Schools within five (5) business days after receipt of the Coordinator's response. The superintendent shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant within ten (10) business days.

**Step 3**

If unsatisfied, the complainant may appeal through a signed, written statement to the Board of Education within five (5) business days of receiving the superintendent's response in step two. In an attempt to resolve the grievance, the Board of Education shall meet with the concerned parties and their representative within forty (40) days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each party within ten (10) days of this meeting.

**Step 4**

If at this point the grievance has not been satisfactorily settled, further appeal may be made to the Office of Civil Rights, Department of Education, Washington, D.C. 20202. Inquiries concerning the nondiscriminatory policy may be direct to Director, Office of Civil Rights, Department of Education, Washington, D.C. 20202. The local Coordinator, on request, will provide a copy of the district's grievance procedure and investigate all complaints in accordance with this procedure. A copy of each of the Acts and the regulations on which this notice is based may be found in the Civil Rights Coordinator's office.

## NCAA Eligibility Standards

If you wish to participate in Division I or Division II athletics after high school, you must be certified by the NCAA Clearinghouse. Prospective student athletes should begin monitoring eligibility requirements beginning in 9<sup>th</sup> grade. Be sure to check the NCAA for current information as you complete your high school course selections. More detailed information should be researched at [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

Division I

Division II

### 16 CORE-COURSE RULE

### 16 CORE-COURSE RULE

#### 16 Core Courses:

4 years of English  
3 years of mathematics (Algebra I or higher)  
2 years of natural/physical science (1 year of lab if offered by high school)  
1 year of additional English, mathematics or natural/ physical science  
2 years of social science  
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)  
Earn a minimum required GPA in core courses  
Earn a combined SAT/ACT sum score that matches your core course GPA and test score sliding scale. (see NCAA for further details)

#### 16 Core Courses:

3 years of English  
2 years of mathematics (Algebra I or higher)  
2 years of natural/physical science (1 year of lab if offered by high school)  
3 years of additional English, mathematics or natural/ physical science  
2 years of social science  
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)  
Earn a 2.0 GPA or better in your core courses  
Earn a combined SAT score of 820 or an ACT combined score of 68