

# HANCOCK CENTRAL HIGH SCHOOL

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## CURRICULUM GUIDE

**2019-20**

**Graduation requirements for the class of 2017-2020:**

**This is also called the Michigan Merit Curriculum.**

**8 credits English**

**6 Credits Social Studies (US History, World History, Government, Economics)**

**8 Credits Math (including Algebra 1, Geometry, Algebra 2 and a senior year math or math related experience)**

**6 Credits Science (Biology, Chemistry, Physics)**

**2 Credits Visual/Performing Arts (Band, Choir, Woods/Metals, Art)**

**2 Credits Physical Education/Health**

**4 credits Foreign Language (may replace the 2<sup>nd</sup> year with a CTE class or an additional visual, performing & applied arts credit)**

Beginning the class 2022 - 2 FULL years of foreign language is required.

**8 Credits Electives**

**An online learning experience will be incorporated into the curriculum**

**44 Credits total**

**Two full years of JROTC will satisfy the PE/Health requirement.**

**1 credit is equal to successful completion (grade of D- or better) of a semester.**

**Students will not PROGRESS to the next class in a sequence until they have successfully passed the pre-requisite.**

**\*\* Electives and AP courses are updated yearly and offered on interest and need.**

# COURSE DESCRIPTIONS

## **ENGLISH**

### **English 1, Required, 2 credits**

Students will improve reading, writing, listening, speaking, and critical thinking skills. They will practice time management skills and personal responsibility by completing daily and long-term homework. They will develop self-discipline and effective interpersonal skills by participating in a variety of individual and group activities and assignments.

### **English 2/Speech, Required, 2 credits**

English II/Speech-Students will experience a rich and diverse classroom. All students will develop and improve reading, writing, listening, speaking, and viewing skills. Each course in the Hancock Language Arts curriculum includes the following components; modeling and mentoring, vocabulary development in and out of context, oral presentation; informal and formal, and grammar.

The Hancock language arts classroom is founded on the principle of a dynamic classroom which fosters open discussion, cross-curricular experiences, critical thinking and cultural literacy.

In addition, English II will focus on writing both narrative and literature based essays, as well as, a technology-based classroom that includes blended learning. The speech component includes both formal and informal speeches while practicing and perfecting good speech techniques which will last a lifetime.

### **English 3 (American Literature/Composition), Required, 2 credits**

English III-Students will experience a rich and diverse classroom. All students will develop and improve reading, writing, listening, speaking, and viewing skills. Each course in the Hancock Language Arts curriculum includes the following components; modeling and mentoring, vocabulary development in and out of context, oral presentation; informal and formal, and grammar.

The Hancock language arts classroom is founded on the principle of a dynamic classroom which fosters open discussion, cross-curricular experiences, critical thinking and cultural literacy.

In addition, English III will focus on selective writings in the American Literature canon, continue development of essay skills [especially those associated with the SAT Test], SAT focused testing skills, and a technology-based classroom that includes blended learning.

### **English 4 (British Literature/Creative Writing), Required, 2 credits**

This course has two distinct sections: a semester of British Literature and a semester of creative writing.

The literature section will cover *Beowulf*, Old English; *The Canterbury Tales*, Middle English; and some of Shakespeare's plays, Modern English. Other writers/readings will also be covered as time permits. The creative writing section will challenge the students with a variety of assignment. Voice, organization, support and surface features will be the constants for the evaluations of these writings as students come to realize the "easy writing is hard reading, but hard writing is easy reading."

## ***FOREIGN LANGUAGE (2 years of a single foreign language)***

### **French 1**

Students are introduced to the French language and culture. They will learn to express themselves in French, build a vocabulary and use important idiomatic expressions. A variety of approaches to learning the French language will be employed, such as skits, dialogues, paired conversations, video, songs, projects, written work and games.

### **French 2**

Students will continue to learn vocabulary skills and structural patterns. They will be able to express themselves with more detail and in more complicated ways. They will continue to practice the language with skits, dialogues, projects, paired conversation, video, songs, games and written practice. Students will use more verb forms and tenses. They will continue to learn about the culture, history and literature of France.

### **French 3**

Students will continue building on vocabulary, conversation and grammar begun in French 1 and 2. They will learn vocabulary about identity, entertainment, description, food and drink, and furniture. They will learn more verbs and new types of verbs for further communication. They will study French and its castles and countryside, hear new music and watch films related to French culture, history and literature. They will have the opportunity to try more French cuisine and cook some new dishes as well.

### **Spanish 1, (9-12), 2 credits - Offered on rotation**

Students are introduced to the Spanish language and culture. They will learn to express themselves in Spanish, build a vocabulary and use important idiomatic expressions. A variety of approaches to learning the Spanish language will be used such as skits, reading stories, writing stories and games.

### **Spanish 2, (9-12), 2 credits - Offered on rotation**

Prerequisite: Spanish 1

Students will continue to learn vocabulary and structural patterns. Through writing, reading, and many other activities, students will gain a deeper understanding and ability to use the Spanish language.

Students will continue to learn vocabulary and patterns and build conversational skills through reading, writing, role playing and skits. The study of grammatical structures and vocabulary will continue in the context of reading authentic Spanish stories and writing projects often involving research.

# ***MATH***

## **Math 1, Algebra, Required, 2 credits**

The specific algebraic topics studied are sets and numbers, graphing relations, systems of equations, exponents and radicals, polynomials and factors, quadratic functions and equations, rational expressions, and relations and functions.

## **Math II, Geometry, Required, 2 credits**

Prerequisite: Math I

This course is the second class in the math series offered at Hancock Central High School. Geometry begins with the basic concepts (points, lines, & planes) from which the entire field is built from. Logical reasoning is then introduced and practiced, before moving on to more complex 2D shapes, triangles, quadrilaterals, and circles, as well as 3D polyhedral. The topics of congruency, similarity, and transformations are also studied throughout the course. It does build upon the ideas introduced in Math I, including solving one and two variable equations and inequalities and the Pythagorean Theorem.

## **Math III, Algebra II, 2 credits**

Prerequisite: Math I

This course will cover the following topics: linear equations and systems in 2-D and 3-D, linear programming, probability and statistics, quadratics and polynomials.

## **Applied Algebra II, 2 credits**

Prerequisite: Math I

Same course description as Algebra II but over two years instead of one.

## ***4<sup>th</sup> Year Math Requirement options:***

### **Math IV, Pre-Calculus, 2 credits**

Prerequisite: Math III

The main focus of this class includes the following topics: conics, non-linear systems of equations, nonlinear inequalities, trigonometric functions, trig identities, trigonometric equations, exponential and logarithmic functions, polar coordinates, limits, derivatives and integration. Basic algebraic skills are reviewed daily.

### **Personal Financial Literacy, (12), 2 credits**

This is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and savings accounts; demonstrate knowledge of finance, debt and credit management; and evaluate and understand insurance and taxes. This course will provide the foundational understanding for making informed personal financial decisions.

# Physical Education

## **Physical Education/Health, (9), Required, 2 credits**

The Michigan EPEC curriculum will be utilized for instruction in personal fitness awareness and game skill development. Students will learn proper procedures for weight lifting and resistance cord training.

Daily aerobic training will be recorded with pulse monitors to effectively evaluate their performance. The Presidential Fitness Training Program will be used to determine students' fitness improvement over the semester. Basic game skills will be developed in baseball, volleyball, tennis, badminton, soccer, golf, archery, bowling, kickball and "new games". Come ready to exercise and develop your muscular strength and endurance, increase your muscular flexibility and improve your aerobic capacity.

The goal of Health is to give students the factual information in various areas of health so they will be able to make wise decisions concerning their health. Topics include mental health, alcohol, tobacco, prescription and illegal drugs, understanding the role stress plays, first aid, nutrition, and preventing violence, among others. Various techniques are used to help students understand the material including the textbook, videos, magazines and newspapers, and the internet to keep up-to-date with the latest information.

## **Physical Education**

### **Advanced Physical Education, (10-12), 2 credits - Offered on rotation**

Advanced Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in specific areas. The students will participate in activities that include (1) health-related fitness activities (cardiorespiratory endurance, muscular strength and endurance, flexibility and body composition), (2) team sports, (3) individual or dual sports, (4) flexibility. It includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students will have the opportunity to design and develop an appropriate strength training fitness program that enables them to achieve a desired level of fitness. Sport activities will be done on M/W/F while strength training will be on Tues/Thurs.

### **Weight Training, (10-12), 2 credits - Offered on rotation**

The weightlifting class was designed to provide each student with the knowledge needed to understand the importance of strength and fitness training. Students will understand the importance of setting goals for personal improvement and achievement, and will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle.

# SCIENCE

## **Biology, (9), Required, 2 credits**

This course covers the State of Michigan Life Science Standards, which encompasses fundamental concepts surrounding the study of life. Biology is a year-long course that covers the following topics: classification of life, populations, evolution, movement of energy/matter in ecosystems, growth and development, and inheritance.

## **Biology, (10), Required, 2 credits**

This course covers all the basic components of the study of life, including the nature of life, ecology, the structure and function of cells, genetics, evolution, human anatomy & physiology, and an in-depth study of microorganisms, fungi, plants, and animals. Includes laboratory work.

## **Chemistry, (10-12), Required, 2 credits**

Prerequisite: successfully pass Algebra 1

This class provides a foundation in chemistry. It includes atomic structure, chemical reaction, gas laws, equilibrium, and electrochemistry. Problem solving is emphasized.

## **Physics, (11-12), Required, 2 credits (may count as a senior math requirement)**

Prerequisite: successfully pass Math 1

This course introduces and studies the main concepts in Physics: mechanics (motion, forces, & gravity). Momentum & energy (mechanical, thermal, & nuclear). Waves (sound & light), electromagnetism, and topics in modern physics. Physics can, at times, contain extensive mathematics, but the math itself is at an Algebra 1 level, with some right triangle trigonometry as well. This course is lab intensive, and involves problem solving and projects, both individual and group. May count as a math credit (senior year) if it is not being taken as science credit.

## **Anatomy and Physiology, (11-12), 2 credits – every other year - Offered on rotation**

Prerequisite: Biology

This class focuses on the structure and function of all systems of the human body. Includes laboratory work. The course is particularly designed for students interested in a career in medical or health related fields.

## **\*\*AP Biology**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes – energy and communications, genetics, information transfer, ecology and interactions. Upon completion students may take the advanced placement exam and earn college credit.

## **\*\*AP Physics (1 & 2), (1 full year each)**

These courses will take an algebra-based approach to investigate the following topics:

(1) Kinematics; dynamics; circular motion; and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound;

(2) Fluids; thermodynamics; electrical force, field and potential; electric circuits; magnetism and

electromagnetic induction; geometric and physical optics; and quantum, atomic and nuclear physics. Students must take course 1 prior to course 2. Each course is equivalent to 1 semester of college physics.

### **\*\*AP Chemistry, (11-12) 2 credits**

Prerequisite: Chemistry

This class provides students with the equivalent of first-year college chemistry. It reviews basic chemistry and covers new topics such as thermodynamics, kinetics, periodic table, basic organic chemistry, and nuclear chemistry. Upon completion, students may take the advanced placement exam to earn college credit.

### **\*\*Astronomy, (10-12 Grade), 1 Credit - Offered on rotation**

Prerequisite: Math II

This course explores the universe around us from a scientific and historical standpoint. During this semester-long course, the objects within the universe are closely looked at. A tour of the planets is taken, providing a more in-depth knowledge of each of the planets. The life of a star is looked at and categorized depending on the star's size. The star constellations, Messier Objects, and New General Catalogue objects are introduced, with personal observations done to study some of the closer objects with the naked eye and basic telescopes. The birth, and eventual death, of the universe is examined, as well as the past ideas of what the solar system and universe looked like (Ptolemaic system, geocentric system, and heliocentric system). The tools used to study the universe will also be introduced, and sometimes used, throughout the semester. The course is extremely hands-on, with night observations, projects, and assignments at both the individual and group level within each unit during the semester.

### **\*\*Forensics, 2 Credit - Offered on rotation**

Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, ballistics, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples.

### **\*\*Zoology, 1, Credit - Offered on rotation**

This course dives in to the major animal phyla, taking a look at the diversity of life by studying characteristics, taxonomic relationships, life processes, survival mechanisms, mechanisms, and economic importance among the organisms. This course will include dissections of various animals.

### **Garden to Plate, (11-12), 1 credit**

This elective course introduces students to growing their own food and cooking with these foods. Hands on lessons give students experience in planning, planting, obtaining, and harvesting their own food. This course also involves incorporating fruits and vegetables into their lives through cooking. By the end of the semester, students will have the confidence and skills to create meals using different fruits and vegetables.

# **SOCIAL STUDIES**

## **United States History and Geography, Required, 2 credits**

This is a survey course of American History beginning after the Civil War and continuing up to recent events.

## **World History, (10), Required, 2 credits**

World History and Geography is new this year. This is a survey course, focused on humans and their relationships with each other and the world. Short sentence, but it says a lot. One way to think about this subject: try imagining all the people, and places, and events, and ideas, and achievements – the best and worst of everyone...who ever existed! Not possible! Certainly, we do not know most of what happened. The record we do have is called history, and it's incomplete-some might say sketchy, but it's a start to uncovering *some* of the stories about people – what they did and thought, how they worked and played, how they lived and died.

Another way to think about this: world history is like a giant time capsule – not everything is in there, but we have some very interesting clues –evidence, artifacts—to help us understand the who, what, when, where, how and why about the ancients and our ancestors. And that should help us to better understand ourselves.

## **Modern American History through Film (can be taken instead of US History) - Offered on rotation**

(U.S. History, 1945-present)

This course explores themes in United States history since World War II, affording students an opportunity to consider that history through film. Themes include race, religion, family, war, anomie, and gender; films include *A Raisin in the Sun*, *Kramer vs. Kramer*, *Platoon*, *Tootsie*, *One Flew over the Cuckoo's Nest*, *Castaway*, and *Crash*.

In addition to studying films, students will read multiple texts, write several short papers, and two longer research papers. Finally, students will produce a short film.

## **Local History, (10-12), 1 semester - Offered on rotation**

Explore the rich history of the Copper Country in this local history class beginning with a brief view of prehistoric copper mining and ending with the closing of the last copper mine in the area. Greatest emphasis will be on the years from the 1840's to the Copper Strike of 1913 (Industrial Revolution). Students will become familiar with pertinent immigrants, industries, localities, sites and buildings. Field trips, visiting lecturers, films and research will all be a part of this class. Grades will be based on positive participation, tests, quizzes and research projects.

## **World Affairs, (10-12), 1 semester - Offered on rotation**

This is a course aimed at familiarizing students with the world around them. We will focus on both national and international issues & content will be driven by current events. We will use a variety of media outlets: newspaper, internet and broadcast (radio & TV) as a basis for our study. The class will have a strong participation component; as discussion is important to making the issues relevant to our lives.

## **American History & Modern Music, (10-12), 1 semester - Offered on rotation**

It will help students understand American History through their knowledge of song & help them understand American song through their knowledge of history. Popular songs not only reflect moments in social, political, & military history, but at times help to shape those moments. This course will show the lyrical link between American historical events & the music they inspired.



## **Government, (12), Required, 1 credit**

The students study different types of governments and their impact and influence on other forms of governments. The students also study the reasons for the Declaration of Independence, the Constitution, and the federal system of government.

### **\*\*AP Government - Offered on rotation**

The AP Government Program offers two government courses AP United States History and Politics, and AP Comparative Government and Politics. Each course is designed to be equivalent to a one semester introductory college course. There is no prescribed sequence of study.

## **Economics, (12), Required, 1 credit**

This class is designed as an introduction to the fundamental concepts and principles of economics.

## **Visual/Performing Arts (Band, Choir, Woods/Metals, Art) 1 year required description to follow:**

### **\*\*Electives:**

## **ART**

### **ART, (9-12), Required, 2 credits**

This introductory course will give students an opportunity to work in a variety of media and produce both two-dimensional and three-dimensional artwork. In addition, students will be exposed to and will research master artists and the history of art and culture. Assignments will allow students to build skills in drawing, watercolor painting, ceramics, printmaking, and sculpture.

### **Advanced Art, (12), 2 credits**

In the second year of art, students will build upon skills acquired during the first year of art, as well as developing new skills. In addition, students will be exposed to and will research local professional artists. Assignments will allow students to explore drawing in a variety of media, acrylic painting, ceramics, printmaking, and more. In the third and fourth years of art, students will work more independently and will produce work designed to develop a professional portfolio as well as cooperatively working on projects that will become permanent fixtures in the high school.

### **Intro to Photography, (1 semester)**

#### **Access to a DSLR camera is highly recommended.**

In this course, we will focus on learning to use & appreciate photography both from a technical & an artistic standpoint. Historical & contemporary photographers & their effect on today's culture will be studied. You will learn how to adjust & make the most out of all of the available settings on a digital SLR camera. As a studio art course, you will be assessed by a final portfolio of images that demonstrate your ability to have full control over your camera settings, communicate artistic intent, try new ideas & display your growth over the course of the class.

### **Advanced Photography (1 semester) must have completed Intro to Photography**

Students who wish to take photography for more than one semester will want this class. Focus moves from more than just artistic photography, but commercial photography & how to create and build a business with photography.

### **Yearbook/Graphic Design, (11-12), 2 credits - Offered on rotation**

This class is an independent study class. Students must be responsible, reliable, and have a lot of initiative. You will be responsible for designing the yearbook pages, taking photographs at various events (sporting activities in school and out of school, etc.), selling advertisements to local businesses, promoting and selling the yearbook, and various other duties.

# MUSIC

## **Band, (9-12), 2 credits**

This is a full year course for which students will earn credit toward graduation. Throughout the year, this course will concentrate on the rehearsing, performing, and studying of music using a variety of styles and composers. Grades will be established from the following: daily preparation of music and assignment, periodic playing tests, knowledge of scales, written quizzes, and overall contribution to daily rehearsals, pep band events, competitions, concerts and public performances.

## **Choir, (9-12), 2 credits**

This class is designed for students who desire to further their choral experience and performance skills. The course focuses on harmony, musical expression, tone quality, sight-reading, theory, and good vocal production. Students sing choral literature from several different genres and eras. Grades are based on daily preparation and rehearsals, competitions, concerts, and public performances. May be taken every year for credit. After-school choir is available at ½ credit per semester.

# INDUSTRIAL TECHNOLOGY

## **Introduction to Industrial Technology, (9-12), 2 credits**

The first 9 weeks teach students will learn basic drafting skills by drawing isometric, orthographic & working drawings while emphasizing line neatness, contrast & accuracy.

Our second 9 weeks is spent in the metal shop developing the vocational knowledge to safely and effectively operate the oxyacetylene torch, stick electrode welder, sheet metal fabrication tools and foundry while developing skills and produce metal projects.

Our third 9 weeks is spent in the wood shop learning how to safely and effectively operate hand held power tools and woodworking machines like the jointer, band saw, planer, table saw, compound miter saw, panel saw and router table while develop skills and produce wooden project.

Our last 9 weeks will involve additional wood and metal assignments. Their final construction project will involve a combination of iron and wood.

This class can be repeated for credit if the student fails to reach the required skill level to advance into the next course level. The instructor makes this final evaluation to repeat or advance.

## **ADVANCED INDUSTRIAL TECHNOLOGY, (10-12), 2 CREDITS (counts as a senior math requirement)**

This class builds upon the basic skills student obtained in the introductory class. Advanced methods in wood and metal working will be taught such as: MIG and TIG welding on steel and aluminum, stick electrode welding, foundry techniques, plasma and oxyacetylene cutting, wood joinery, lamination and steam bending.

Our special units includes: auto body repair and spray painting, floor and wall tiling, basic home wiring, furniture refinishing, carpentry, lathe turning, machine/tools maintenance and a group community or school improvement project.

Students will design and construct projects utilizing sheet stock, solid lumber and metals while incorporating safety, advanced fabrication technique and materials into their project designs. This class can be taken 3 times for credit with instructor's approval.

### **Home Remodeling and Repair**

This full year, two semester course, will expand upon the basic skills learned in the Intro to Industrial Technology class. The students learn to make plumbing additions and repairs with PVC, copper, and PEX. Electrical repairs and upgrades. Drywall installation and repair. Flooring, countertops, and wall tiling. Framing and finish carpentry, cabinet making, furniture and floor trim refinishing and painting techniques. Shed building construction as well as, project cost estimating.

### **Life Skills, 1 Semester, (11-12) - Offered on rotation**

The purpose of this course is to increase student knowledge and ability in skills necessary for everyday living after high school. Topics included will be self-awareness, interpersonal skills, career skills/opportunities, basic money management, home and personal care skills, basic auto care/understanding, kitchen skills, navigating health care, basic in politics/voting/law, travel, modern etiquette/manners, and a few others. The class will have components of note taking, hands-on activities, projects, guest speakers and tests.

### **Garden to Plate, 1 Semester (9-12) - Offered on rotation**

Healthy bodies start with healthy food! Starting with sun, seed and soil, learn the basics of growing your own food. Hands on lessons in the school greenhouse will give you the experience to plan, plant, maintain, & harvest your own food. A well balanced diet is essential to a healthy lifestyle, but what is a healthy diet? It's so confusing! This course will cover nutrition & healthy eating and then teach you how to prepare healthy meals from scratch providing the best possible nutrition. By the end of the semester, you will have the skills to raise some of your own food and have learned the culinary techniques to prepare your food in a nutritional and tasty way. This might be the most important class you ever take!

### **Peer Mentoring, 1, Credit - Offered on rotation**

Peer mentoring is a hybrid calls that combines an online component as well as a hands-on component/ Peer Mentor students will increase their knowledge about a variety of disabilities through direct instruction. They will gain an understanding of people with disabilities through supporting their peers with classwork as well as building relationships with their peer. Peer mentoring students will receive a letter a grade based on performance in several areas including journal entries, content reflections, forum responses and most importantly their interaction, modeling, and communication with their peer.

# **CAREER/TECHINICAL EDUCATION**

**PLEASE NOTE:** The following Career/Technical Education courses will be offered to seniors first and juniors second. You **MUST** have a good attendance record in order to be considered for enrollment. Students provide their own transportation. Each class is a two-hour two-credit program.

## **Automotive Technology**

The goal of the Automotive Technology program at the Copper Country Career and Technical Education Center is to introduce and prepare students to explore or enter the automotive field. This program provides a “head to hands-on” approach that will lead to success in post-secondary training and into an expanding automotive-related field. Students involved in this program may range from technician trainees to pre-engineering students. Some of the instructional areas to be covered are: Introduction to Automotive Technology, Front-End Alignment, Engine Diagnosis, Electrical Systems, Suspension, and Brakes.

## **Construction Technology**

This course is designed to prepare students for job entry in the construction field or advanced work in a technical school. The Construction Technology program provides the student with knowledge and skills to build a house from the foundation to its completion. Students achieve a wide variety of hands-on experiences, all related to the multi-faceted construction industry as listed in the content area below. Rules of health and safety as prescribed by the National Safety Council will be adhered to in this course. Areas of study include: Carpentry Skills – Rough and Finish, Understanding Architectural Drawings/Blueprints, Safe Use of Hand and Power Tools, Material Selection, Layout, Preparation, and Fabrication, Concrete Work and Laying up of Masonry Units, Roofing, Electrical Wiring, Plumbing, and Drywall Handling and Finishing.

## **Health Careers**

The Health Careers program provides students with the opportunity to explore the many available career options in the healthcare profession. Students learn CPR (Cardio-Pulmonary Resuscitation), emergency first aid, medical terminology, basic anatomy and physiology, and the communication skills necessary for success in the healthcare field. After completion of the core curriculum, including-but not limited to-communication skills, professionalism, infection control, legal and ethical issues in health care, confidentiality, and safety, students have an opportunity to experience hands-on training and job shadowing in local facilities with professionals in the careers, they would like to explore. Students also research the roles of various health care professionals through reading, accessing Internet sites, and viewing educational videos to learn more about the careers they may be interested in pursuing. Guest lecturers in the classroom share their knowledge and demonstrate skills, while field trips allow students to get a first-hand look at many of the career options related to health care. Some of the instructional areas to be covered are: Communication, Safety, Rehabilitation, Medical Ethics, Vital Signs, Emergency Procedures, Body Structure, Asepsis, Medical Terminology, CPR and First Aid Certification, Personal Care, and Transporting/Transferring/Ambulating/Positioning.

## **Certified Nursing Assistant (CNA)**

The Certified Nursing Assistant program is ideal for students who would like to explore nursing as a possible career and for those who would like to work as a CNA. This course will provide training for students to obtain the skills necessary to take the state of Michigan’s competency evaluation exam to become a CNA. Upon successful completion of the exam, students will have their name placed on the state registry and will be eligible to work as a CNA in hospitals, nursing homes and with health care agencies. This course is a combination of theory, lab practicum (where students practice skills), and clinical instruction (students do direct patient care under the guidance of their instructor). Students enhance their verbal and written communication skills in a health care environment and learn the professional, legal and ethical issues related to health care. Students explore employment opportunities in this fast-growing field through field trips and guest speakers. Some of the instructional

areas to be covered are: Introduction to Health Care, Death and Dying, Vital Signs, Body Systems and Diseases, Environmental Safety, Patient Care Skills, Medical Math, Medical Terminology, Ambulation, Infection Control, Acute Long Term Care, Emergency Situations, CPR and First Aid Certifications, Restorative Care, and Communications.

## **Welding Technology/Manufacturing**

The Welding Technologies/Manufacturing program prepares students for entry-level job skills in the Welding field or participation in a community or technical college program. Instruction is provided in safety, cutting and bending steel, shielded metal ARC welding, gas metal ARC welding (wire feed), gas tungsten ARC Welding (TIG), oxy acetylene torch cutting, project layout and construction, daily maintenance of shop and equipment and employability skills. Students are required to complete welding and cutting operations as well as a required project. Students are expected to take American Welding Society Certification tests available to students in ARC, MIG, and Flux Core ARC Welding. If a student passes any of these certification tests, he/she will receive a nationally recognized certificate which is valuable for securing employment. Time in this course is split between lectures and hands on activities. Second year students will focus on manufacturing skills required by local manufacturers. Some of the instructional areas to be covered are: Occupational Orientation, Safety and Health for Welders, Shielded Metal Arc Welding, Oxyfuel Gas Cutting, Plasma Arc Cutting, Shielded Metal Arc Welding, Math for Welders, Welding Symbols, Gas Metal Arc Welding, Flux Core Arc Welding, Welding Inspection and Testing, and Gas Tungsten Arc Welding.

## **Computer Networking**

The Computer Networking Program focuses on configuration, implementation, and troubleshooting of a networked environment. Upon successful completion students should have the knowledge to: 1. utilize the OSI and TCP/IP model, understand the importance of bandwidth, how it is measured and its limitations. 2. Perform LAN, WAN, and VLAN design, administration and troubleshooting 3. Demonstrate the ability to successfully cable LANs and WANs. 4. Understand routing fundamentals and subnets, and design an IP addressing scheme to meet design requirements 5. Identify key characteristics of securing a LAN and WAN network environment 6. Understand the business fundamentals and analysis of designing a network.

## **Early Childhood**

Early childhood educators work in child care centers, preschools, and public schools with children through the age of eight. They play an important role in shaping the kind of individual a child will become. In addition to attending to children's basic needs for trust and understanding, they prepare curriculum that stimulates the children's physical, emotional, intellectual, and social growth. They help children explore and learn through the development of their interests which enhances independence and builds self-esteem. Early childhood professions are a link between the home and the school communicating with parents and meeting the needs of both children and families. They create a safe, healthy learning environment in which children can grow and develop. They may be classroom teachers, special needs aides, teaching assistants, parent and curriculum coordinators, or center directors.

## **JROTC, (9-12), (Junior Reserved Officer Training Corps)**

HELD AT HOUGHTON HIGH SCHOOL. Two years of JROTC will satisfy the health and physical education graduation requirement. JROTC helps students develop Leadership, Communication and Individual Life Skills while focusing on Citizenship within our community. This course covers topics that reinforce some of the high school core curriculum such as World History, U.S. Government, and Speech. We cover Physical Fitness, Health and Nutrition, First Aid, and Personal Skill Improvement (how to study, test taking, and interview techniques) and several other topics designed to improve confidence and life skills. JROTC offers extracurricular activities that include: Marksmanship (Varsity Sport), Color Guard, Drill Team, and the Raider Platoon (Physical Fitness). Cadets have the opportunity to attend a one-week summer camp (JROTC Cadet Leadership Challenge, JCLC) where they will challenge themselves against Confidence Course, Land Navigation, Leadership Positions,

Rappelling, Rope Bridge and other unique events. JROTC Cadets also participate in various community and school service projects that reflect positively on the school and the Cadets such as the Veterans Day program and community parades. All equipment is provided by the JROTC program at no cost to the student. There is NO MILITARY SERVICE OBLIGATION with this program. Our primary focus is to help the student/Cadet graduate high school. We do not promote the military lifestyle – but we do use proven military skills to teach self-discipline, confidence and pride in a job well done. However, students who choose to enter any of the military services after graduation can receive one or two automatic promotions based on the number of years completed in the JROTC Program and the branch of service.

## **DUAL ENROLLMENT**

Dual enrollment is when a student enrolls in one or more college courses while still in high school; whether for high school credit, college credit or both.

Effective September 2013, Hancock Public Schools will contribute to the cost of the course based on the state weighted average foundation divided by the number of periods per day and then divided by the semester.

If a student participating in the postsecondary (dual) enrollment program fails to successfully complete an eligible course, the student and his/her parents are responsible for reimbursing the District for such charges incurred by the District for such enrollment. In the event reimbursement is not made in a reasonable period of time, the Superintendent is authorized to file claim against the student and/or his/her parents in Small Claims Court for collection.

## **EARLY COLLEGE**

Hancock Central High School, in partnership with Gogebic Community College, will be providing students at HPS with an opportunity to earn college credits while completing their high school diploma and the ability to return for a fifth year of education. Students should consult with their counselor and enroll before their junior year. The student must demonstrate college level academic proficiency through the completion of a State approved test including: EXPLORE, PLAN, ACT, COMPASS, MME, PSAT, or SAT and the appropriate qualifying score. After receiving your test results, a determination will be made for Early College eligibility. A high school student may not enroll in any course offered by the college that is normally available through the high school.

## **ONLINE LEARNING**

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

## **WORK BASED LEARNING**

Students in grades 11 and 12 have an opportunity to explore careers of interest through a variety of programs. These programs involve traveling to a local business to work with a skilled person in the field. See counselor for details.