

HANCOCK CENTRAL HIGH SCHOOL



CURRICULUM GUIDE

2024-2025

HCH BUILDING HOURS OF OPERATION

High School Office Hours: 7:45 a.m. to 3:45 p.m. during the school year

REGULAR SCHEDULE

Warning Bell	8:25 a.m.
Period 1	8:30-9:20 a.m.
Period 2	9:25-10:15 a.m.
Period 3	10:20-11:10 a.m.
Period 4	11:15-12:05 p.m.
Lunch	12:05-12:35 p.m.
Period 5	12:40-1:30 p.m.
Period 6	1:35-2:25 p.m.
Period 7	2:30-3:20 p.m.

DELAYED START SCHEDULE

Warning Bell	10:00 a.m.
Period 1	10:05-10:40 a.m.
Period 2	10:45-11:20 a.m.
Period 3	11:25-12:00 p.m.
Lunch	12:00-12:30 p.m.
Period 4	12:35-1:10 p.m.
Period 5	1:15-1:50 p.m.
Period 6	1:55-2:30 p.m.
Period 7	2:35-3:10 p.m.

HALF DAY SCHEDULE

Warning Bell	8:25 a.m.
Period 1	8:30-9:20 a.m.
Period 2	9:25-10:15 a.m.
Period 3	10:20-11:10 a.m.
Period 4	11:15-12:05 p.m.

ACADEMICS

HCH academic requirements align with the State of Michigan
& 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, Integrated Science, Anatomy & Physiology, and/or Physics)

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

2 Credits Physical Education/Health

- The combination of a fall and spring sport and/or the participation in a winter sport will qualify as the PE credit – Health is required.
- Two full years of JROTC will satisfy the PE/Health requirement.

4 credits Foreign Language (may replace the 2nd 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.

An online learning experience will be incorporated into the curriculum.

36 Core Credits

20 Elective (Pathway) Credits

52 Credits minimum total for Graduation (converted to Semester credit loads)

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.

**** Elective (Pathway) courses are offered to all students based on their career / college bound preferred pathway and as available through academic scheduling of respective faculty course offerings.**

COURSE OFFERINGS

All students are expected to complete the MMC in order to graduate and we encourage our students to explore other areas of interest as well. In addition to the MMC we also offer dual enrollment classes, a robust Early College program, testing out options, online courses through APEX, and CTE courses at the CCISD.

Apex:

See Apex Michigan Course List

English:

English 1 (9)
English 2 (10)
English 3 (11)
Creative Writing (11-12)
Publication (11-12)
English 4 (12)
Film in Literature
Reading Lab (9-12)
Communications (10-12)
Sports Literature (9-12)

Mathematics:

Algebra 1 (9)
Geometry (9-10)
Algebra 2 (10-12)
Algebra 2 A/B (11)
Trades Math (11-12)
Pre-Calculus (11-12)
Trigonometry (11-12)
Calculus (11-12)
Math Lab (9-12)
Remedial Math

Science:

Biology (9-10)
Anatomy & Physiology

(11-12)
Chemistry (10-12)
Integrated Science (10-12)
Forensics (11-12)
Physics (11-12)

Social Studies:

US History 1 (9)
World History (10)
Gov't / Econ (11, 12)
American His Through Film
Local History (10-12)

Physical Education/Health:

Physical Education (9)
Health (9-12)
Adv. PE (10-12)
Weight Training (10-12)
Nutrition, First Aid/CPR

World Language:

Spanish I (9-12)
Spanish II (10-12)
French I (9-12)
French II (10-12)
French III-IV (11-12)

Army Junior ROTC:

Leadership 1 (9-12)
Leadership 2 (10-12)
Leadership 3 (11-12)
Leadership 4 (12) Advanced Leadership

Business and Finance:

Personal Finance (12)
Broadcast & Media
Production

Applied Arts:

Industrial Arts 1 (9-12)
Arts & Crafts (9-12)
Industrial Arts 2 (10-12)
Adv Industrial Art (11-12)
Home Remodel (11-12)

Fine Arts:

CHS Band (9-12)
CHS Choir (9-12)
Art I (9-12)
Art II (10-12)
Adv Art (11-12)
Ceramics (9-12)
Photography (10-12)
Music Theory (9-12)

PRIME Manufacturing:

Intro Robotics 1 (9-12)
Adv. Robotics (10-12)
Intro Mechanical Drives (10-12)
Fabrications (11-12)
Intro to Circuits (10-12)
Manufacturing Awareness (9-12)
Quality & Precision Measurement (10-12)
Additive Manufacturing (11-12)
CAD/CAM (9-12)

Other:

Intro to Business
Drone Applications
Peer Mentor
Outdoor Awareness
Yearbook
Taxidermy
Garden to Plate
Life Skills
Building Licensure
Current Events

Computer Science and Technology:

Computer Literacy (9-12)

CCISD Career & Tech Ed: (All 11-12)

Automotive Technology~
Health Careers
Nurse's Aide
Early Childhood~
Construction Trades~
Computer Networking & Cybersecurity~
Welding and Manufacturing~
Mechatronics~
Graphic Design and Marketing~

COURSE DESCRIPTIONS

ENGLISH

English 1 (ELA 9), 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 (ELA 10), 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 (ELA 11), 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 (ELA 12), 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."

Creative Writing - 1 Elective (Pathway) Credit

In this elective class, students will be introduced to many different forms of writing. Some of the elements of writing that will be introduced are fictional, nonfictional, prose, poetry, and of course collaboration and discussion. Students will be creating a portfolio with an overview of their own individual writing and work. In the classroom, students will find their own sense of emotion and their voices. We will learn about figurative

language and work on developing our vocabulary in our pieces of writing. Students will discover their creative thoughts and turn them into words on paper.

Publications - 1 Elective (Pathway) Credit

Publications is a class structured around the idea of publicising and community reach out. Students will learn what the importance of journalism is, and the proper etiquette when it comes to professional writing for things such as social media purposes, newsletters and community publications. Students will be creative in the means of creating bulletin boards that are fitting for the student body, and help create a positive environment in the school hallways and classrooms. Students will publish a monthly newsletter that will be sent out to the school and surrounding communities. Finally, students will learn how to communicate effectively with other students, and learn the proper way to interview and what important details come with it.

Film in Literature - 1 Elective (Pathway) Credit

Film is essentially a story in itself. When one watches a film, he or she is being told a story in different perspectives. Students will gain an experience in seeing the way cinema has flourished, dating back to the very first cinematic film. Students will work collaboratively to create a class book of film reviews. Discussion will immediately follow after the viewing of a film as students will bring up key ideas about plots, cinematography and what makes or breaks the film itself.

Communications – 1 Elective (Pathway)

This course introduces students to what communication is and how it affects human interactions. The emphasis is on public speaking with a focus on nonverbal communication, organizational and delivery skills. Students will be introduced to interviewing techniques and the creation of the workforce related communication including active listening. Topics covered include persuasive writing, political rhetoric, career and professional communications, speech evaluation and formal declamation.

Book Club/Reading Lab – 1 Elective (Pathway)

This course will read book club books provided by the Hancock library. It will involve discussion, reading journals and the comparison of books with some cinematic films.

FOREIGN LANGUAGE (4 Credits of a single foreign language)

French 1 (9-12), 2 credits

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 (9-12), 2 credits

Prerequisite: French 1

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 (9-12), 1 Elective (Pathway) credit

Prerequisite: French 2

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.

French Culture and History, 1 Elective (Pathway) Credit

This class will explore many facets of France, focusing on culture and history rather than the language. Over the 12 week course students will learn about the rulers of France, their castles and legacies, the main geographical regions of France and their specific foods and specialties, the highlights of French music, art, literature and film, and French fashion.

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, 3 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 & II

Algebra II takes a broader look at linear and quadratic functions (introducing complex numbers). Students will then expand their ability to work with polynomial functions. Second trimester studies will include an introduction to rational, radical, exponential, logarithmic, and trigonometric functions. The course also includes a unit on probability and data analysis.

Remedial Math and Math Lab, 1 Elective (Pathway) Credit

Remedial Math was created by understanding that some learners develop skills uniquely, and at their own pace. The 'remedial' aspect of the course takes prior performance into account, so that each student achieves success associated with mathematical learning/course work.

Trades Math, 1 Elective (Pathway) Credit

(Prerequisite course: Algebra I)

This course is designed to meet the needs of students who chose to focus on trades as a likely career path. Course work/discussions include statistical analysis/linear programming, measuring and calculating angles, and other applied problems in algebra/geometry. Students will also spend time investigating the role of mathematics in the career/careers they plan to pursue.

Trigonometry, 1 Elective (Pathway) Credit

Trigonometry develops a student's understanding of trigonometric functions. The course begins with the unit circle and then connects the trigonometric ratios, and their inverses, to function notation. Successful completion of the Trigonometry course could improve a student's success in Algebra II/Precalculus.

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.

Math V, Calculus, 2 Credits

Prerequisite: Math IV

This course will begin with a brief review of these important skills through algebraic, numeric, & graphic modes. We will then cover the essential practices of single-variable calculus (continuity, limits, derivatives, chain rule, curve sketching, applications of derivatives, anti-derivatives, integration, trapezoid rule, slope fields, & volumes of geometric solids). Graphing calculators will be used where appropriate, but the primary focus will be to establish an analytical and intuitive understanding of calculus concepts. Assessments may include both

calculator active and inactive sections. The objective is to prepare you for the advanced math skills needed for college-level courses.

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.

Advanced Physical Education, (10-12), 2 credits

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

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.

Nutrition, First Aid & CPR

This course provides an overview of good nutrition principles that are necessary for physical and mental wellness and a long, healthy life. Instructional materials include discussions of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition. The second half of the course will teach students how to recognize an emergency and how to respond. The student will be prepared to make appropriate decisions regarding first aid care and how to provide care for injuries or sudden illness until professional medical help arrives. Upon completion of this course, student will be eligible for National Certification in First Aid, CPR and AED.

PRIME MANUFACTURING

Introduction to Robotics, (9-12), 2 credits

This course introduces students to robotics engineering and the design process involved in building a robot to completed tasks. This course will provide students with the opportunity to apply STEM disciplines through problem-based projects during individual and group based activities.

Advanced Robotics, (10-12)

This course continues to build off Introduction to Robotics, by building interest in manufacturing careers, developing 21st Century Skills, and providing a strong course of mechanical and automation fundamentals for pathways courses in coding and mechatronics.

Manufacturing Awareness, (9-12), 2 credits

This course introduces students to the manufacturing industry and the long term career opportunities within this market. Students are introduced to the process for additive manufacturing and become familiar with the advantages and limitations of each additive manufacturing technology in terms of precision, resolution, material capabilities, speed of production and related costs.

Introduction to Mechanical Systems, (9-12)

This course covers the installation, use, maintenance, and troubleshooting of mechanical drive components and systems, with the curriculum being divided into various topics which deal with the components encountered in industry in operating and maintaining these systems.

Quality and Precision Measurement, (10-12), 2 credits

This course introduces students to how engineering roles support a company's Quality Management System (QMS), and broken down into three areas of focus:

- Interpreting Prints and Drawings

- Metrology

- Quality Management Systems

CAD/CAM, (9-12)

This course focuses on the fundamentals of computer-aided drafting and manufacturing.

Design for Additive Manufacturing, (10-12), 2 credits

This course focuses on the fundamentals of computer-aided drafting using various drafting programs. Students will gain an applied understanding of the design process that engineers use to develop innovative solutions for real problems.

Fabrications, (11-12)

This course allows students to participate in a series of projects that will help refine the skills they learn in the linear usage of tools, technologies and techniques. Projects are specifically designed to ensure students are repeatedly utilizing skills in prototyping, construction, fabrication, manufacturing, and assembly.

Introduction to Circuit Fundamentals, (10-12)

This course allows the student the ability to build, test and troubleshoot AC/DC circuits and examines the operating voltages and currents related to proper circuit operation.

Applied Engineering, (11-12), 2 credits

This course provides students with an applied understanding of the design process that engineers use to develop innovative solutions for real problems. Students will apply creative process problem solving through the identification of needs and then devising solutions, such as products, techniques, structures, or processes.

Mechatronics, (11-12), 2 credits

This course relays foundational information and develops hands on skills in the areas of Mechanical, Electrical, and Control Technology. Competencies in operating and maintaining pneumatics, electricity, sensors, actuators, and controls will be developed by students.

Engineering Practicum, (12), 2 credits

This course is the pathway capstone course which provides students an opportunity to consolidate and apply the learning from their pathway coursework into a meaningful and relevant career-related experience. The Practicum can include either an internship or an apprenticeship as a work-based related experience.

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. 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.

Integrated Science, (10), 3 credits

Geology - Geology is based off the Next Generation Science Standards (NGSS) and is formulated to answer the questions: “How do people reconstruct the date events in Earth’s planetary history?” and “Why do the contents move?”

Astronomy - Astronomy is based off the Next Generation Science Standards (NGSS) and is formulated to answer the questions: “What is the universe and what goes on in the stars?” and “What are the predictable patterns caused by Earth’s movement in the solar system?”

Environmental Science - Environmental Science is based off the Next Generation Science Standards (NGSS) and helps students formulate answers to the questions: “How do humans depend on Earth’s resources?” and “How do people model and predict the effects of human activities on Earth’s climate?”

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), 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

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.

Forensics, 1 Elective (Global) Credit

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.

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.

Introduction to Taxidermy, 1 Elective (Global) Credit

In this introductory course, students will learn:

- The history and evolution of this trade/art form
- Legal considerations for handling/possessing wildlife
- Health and safety measures involved when handling dead animals, specialized tools, & chemicals
- Various techniques used in the skinning, preserving, and arrangement of “skin mounts”
- Alternatives to traditional taxidermy practices.

While this class is primarily focused on the “hands-on” approach, students will be expected to complete reading and writing assignments to understand the rules and regulations of a trade skill that is carefully monitored by state and federal authorities. With the knowledge of what is permissible by law, each student will have the opportunity to practice differing methods used to successfully preserve and display birds, small mammals, and fish. If time permits, they may also practice molding and casting techniques as an alternative to skin-mounted fish, reptiles, & amphibians.

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, 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 – 2 Elective (Pathway) Credits

(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 Elective (Pathway) Credit

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.

Current Affairs, (10-12), 1 Elective (Pathway) Credit

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.

Historical Outdoor Awareness

This is a hands-on, teamwork based, and problem solving course. We will implement Copper Country traditions from the past and meld them with the future in the outdoors. We will use and focus on historical techniques to make our awareness of the local outdoors relevant to student learning and citizenship

American History & Modern Music, (10-12), 1 Elective (Pathway) Credit

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, (11/12), 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.

Economics, (11/12), 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:

ART 1, (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, (10-12), 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.

Ceramics, 1 Elective (Pathway) Credit

This course will cover various forms of clay building techniques including throwing on the pottery wheel and hand building. Students will explore the different forms of pottery and create multiple pieces that range from functional to sculptural.

Arts and Crafts, 1 Elective (Pathway) Credit

Students will have the unique opportunity to use a combination of the art room and the woodshop/metal shop to create projects that are a blend of the fine arts and the industrial arts. Students will learn how to utilize machinery and tools from both rooms to create 3 dimensional arts and crafts.

Intro to Photography, 1 Elective (Pathway) Credit

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.

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.

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 (eligible 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, 1 Elective (Pathway) Credit

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.

Builders License Prep Course (11/12), 1 Elective (Pathway) Credit

This class will help students identify the skills and rationale needed to become a licensed builder. This class will prepare them to take the 60 credit hour course in order to prepare them for their State of Michigan Builders Exam. Students will gain knowledge of all applicable laws and governance regulations for running a business in construction and the building process.

Life Skills, 2 Elective (Pathway) Credits, (11-12)

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 Elective (Pathway) Credit (9-12)

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!

Computer Literacy, 1 Elective (Pathway) Credit

Computer literacy is the knowledge and ability to use computers and related technology efficiently. Topics covered will range from computer literacy to cultivating skills with Google Platform and the Microsoft office suite.

Peer Mentoring, 1 Elective (Pathway) Credit

Peer mentoring is a hybrid class 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 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.

Drone Applications, 1 Elective (Pathway) Credit

USI's Part 107 Prep sUAS (drone) curriculum prepares students to obtain their remote pilot certification. This program is the first step in a series of education and training programs to gain workforce ready knowledge and training. Please note, Part 107 Remote Pilot Certification is required to fly drones for hire but will not prepare students for high skill/high wage career.

Introduction to Business, 2 Elective (Pathway) Credit

Business Essentials introduces students to the world of business and helps prepare them for the economic roles of consumer, worker, and citizen in an ever changing world through effective oral and written communication, agility and adaptability, collaboration and leading by influence. This course serves as background for accessing and analyzing information about business courses students may take in high school and in higher education. Business Essentials will promote curiosity and imagination, assisting students with consumer decision making, prepare them for future employment, and help them effectively perform their responsibilities as a citizen.

CAREER/TECHNICAL 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/Cybersecurity

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.

Mechatronics

This course is designed to provide students with a broad understanding of opportunities in the field of machining as well as basic machining operations. Supplemental components of the course will include blueprint reading, basic and finite measurement, machine and workplace maintenance, workplace safety, and career and employability skills. In addition, students will be introduced to the design process, computer aided design, and computerized numerical control (CNC) machining. Students will have a wide range of hands-on experience to assist them in making career choices in the ever-expanding machine tool industries.

Accounting

This course explores various accounting career paths and includes the terminology of bookkeeping and accounting, how to start an accounting system, transaction analysis, describes the accounting cycle, common accounting practices, provides for microcomputer applications, applies to service, merchandising, partnership, and corporate functions that involves the complete accounting style.

Graphic Design & Marketing

This course explores various accounting career paths and includes the terminology of bookkeeping and accounting, how to start an accounting system, transaction analysis, describes the accounting cycle, common accounting practices, provides for microcomputer applications, applies to service, merchandising, partnership, and corporate functions that involves the complete accounting style.

Culinary

The Culinary Arts/Hospitality Program is designed to be a two-year program that incorporates the National Restaurant Association's "ProStart" curriculum. Students will explore potential career paths in the food service industry, with emphasis on technical skills, customer relations, restaurant organization, and the ServSafe sanitation program. Students will complete career exploration and study projects in

the hospitality industry, which includes lodging and travel and tourism. Students who successfully complete the program may receive nationally recognized certificates.

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.

APEX Learning

HCH utilizes the State of Michigan approved list of online learning courses through Apex Learning in order to support core credit achievement, or credit recovery toward graduation.



Michigan Course List



English

- English Foundations I P F
- English Foundations II P F
- English 6 C
- English 7 C
- English 8 C
- English 9 P C H
- English 10 P C H
- English 11 P C H
- English 12 P C H
- AP® English Language and Composition A
- AP® English Literature and Composition A
- Creative Writing* C
- Media Literacy* C
- Reading Skills and Strategies* C
- Writing Skills and Strategies* C



Science

- Science Foundations P F
- Science 6 C
- Science 7 C
- Science 8 C
- MS Physical Science C
- MS Life Science C
- MS Earth and Space Science C
- Earth Science C
- Physical Science P C
- Environmental Science P C
- Biology P C H
- Chemistry P C H
- Physics P C H
- The Living Earth P C
- Chemistry in the Earth System P C
- Physics of the Universe P C
- AP® Environmental Science A
- AP® Biology A
- AP® Chemistry A



Math

- Math Foundations I P F
- Math Foundations II P F
- Math 6 C
- Math 7 C
- Math 8 C
- Introductory Algebra C
- Algebra I P C H
- Geometry P C H
- Algebra II P C H
- Mathematics I P C
- Mathematics II P C
- Mathematics III P C
- Precalculus C H
- AP® Calculus AB A
- AP® Statistics A
- Financial Literacy* C
- Mathematics of Personal Finance C
- Probability and Statistics P C
- Fundamental Math C
- Algebra I-A C
- Algebra I-B C
- Bridge Math C
- Liberal Arts Mathematics 1 P C
- Liberal Arts Mathematics 2 C



Electives

- College and Career Preparation I* C
- College and Career Preparation II* C
- Art Appreciation* C
- Music Appreciation C
- Physical Education* C
- Health* P C
- Health Opportunities through Physical Education (HOPE) C
- Multicultural Studies* C
- Sociology* C
- Psychology* C
- Creative Writing* C
- Media Literacy* C
- Reading Skills and Strategies* C
- Writing Skills and Strategies* C
- Financial Literacy* C
- Mathematics of Personal Finance C
- Probability and Statistics P C
- Bridge Math C
- Liberal Arts Mathematics 1 P C
- Liberal Arts Mathematics 2 C

World Languages

- Spanish I P C
- Spanish II P C
- Spanish III C
- AP® Spanish Language and Culture A
- French I C
- French II C
- AP® French Language and Culture** A
- Mandarin Chinese I** C
- Mandarin Chinese II** C
- German I** C
- German II** C
- Latin I** C
- Latin II** C
- MS Spanish 1** C
- MS Spanish 2** C
- MS French 1** C
- MS French 2** C
- MS Mandarin Chinese 1** C
- MS Mandarin Chinese 2** C
- MS German 1** C
- MS German 2** C
- MS Latin 1** C
- MS Latin 2** C



CTE

- Principles of Health Science C
- Accounting I C
- Accounting II C
- Principles of Business, Marketing, and Finance C
- Legal Environment of Business C
- Human Resources Principles C
- Introduction to Business and Technology C
- Principles of Information Technology C
- Information Technology Applications* C
- Computer Applications* C
- Business Applications* C

- P Prescriptive
- C Core
- H Honors
- A Advanced Placement
- + Coming Soon
- * One Semester
- ** Available only through Apex Learning Virtual School (ALVS)

Michigan Course List

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Michigan

Course List



Social Studies

- MS World History C
- MS U.S History C
- MS Civics C
- MS Contemporary World C
- Geography and World Cultures* C H
- World History P C H
- World History to the Renaissance C H
- Modern World History from 1450 P C
- Modern World History from 1600 P C
- U.S. History P C H
- U.S. History to the Civil War* P C
- U.S. History since the Civil War P C H
- U.S. Government and Politics* P C H
- Economics* P C
- AP® U.S. History A
- AP® U.S. Government and Politics* A
- AP® Macroeconomics* A
- AP® Microeconomics* A
- AP® Psychology* A
- Multicultural Studies* C
- Sociology* C
- Economics and Personal Finance C
- Psychology* C

- P Prescriptive
- C Core
- H Honors
- A Advanced Placement
- + Coming Soon
- * One Semester
- ** Available only through Apex Learning Virtual School (ALVS)

Michigan Course List

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