



2018
and Beyond

CHHS Curriculum Guide & Graduation Requirements

ENROLLMENT INFORMATION

Educational Development Plan

It is expected that each student, with help from parents, and in consultation with a guidance counselor, will develop a plan for coursework that reflects his or her abilities, aptitudes, interests, and goals.

Implementation of new Chippewa Hills High School graduation requirements, which includes the Michigan Merit Curriculum

Graduation Year	2018 and beyond
English	4
Math	4
Science	3
Soc. St.	3
Phys. Education	0.5
Health	0.5
Arts	1
On-line Learning	Experience needed
World Language	2
Required Credits	18
Elective Credits	9
Credits for graduation	27
Total Credits (possible)	30

The following section consists of specific courses, listed by department that students are expected to take and pass in order to meet the graduation requirements. Students receiving special education services may be taking courses with slightly different names, even though the same content is taught.

Language Arts (4 credits) – Students are expected to take ELA 1, ELA 2, ELA 3 and ELA 4. Advanced Placements English courses may replace ELA 3 and/or ELA 4.

Mathematics (4 credits) – Students are expected to earn a full credit in Algebra 1, Geometry and Algebra 2. Students will have a math course in their senior year. A personal curriculum may modify the Algebra 2 requirement. All courses are two trimesters, A and B, with the exception of three trimester length courses, signified by C, D, and E, that cover the same curriculum at a modified pace.

Science (3 credits) – Students are expected to take Earth and Space Science in grade 9. A credit in Biology 1 or a credit each in Animal Science and Plant Science is required. A credit is required in either Chemistry 1 or Physics (Applied Physics).

Social Studies (3 credits) – Students are expected to take World History A and B in grade 10. Students are expected to take Civics and Economics in grade 11. Students are expected to take US History A and B in grade 9.

Health (.5 credits) – Expected of all students after their freshmen year. Allied Health at the Career Center can substitute for this course.

Physical Education (.5 credits) – Expected of all students.

ON-LINE COURSES

Michigan Virtual University provides a full range of courses including Advanced Placement and trimester classes. These courses are available to sophomore, junior and senior students through an application process in the counseling office. Michigan Virtual courses are recognized as Michigan Merit curriculum (MMC) through the State Board of Education. **Students may only take core curriculum classes and/or a class that will advance them along their chosen Career Pathway in their EDP.**

DUAL ENROLLMENT

Effective April 1, 1996, Public Act 160 and addendum created the Postsecondary Enrollment Options Act, commonly referred to as dual enrollment. This law directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities, if all of the following conditions are met:

1. Students are in grades 9 - 12.
2. Students can qualify for dual enrollment by taking one of the following assessments: PSAT, SAT or ACT.
3. Students must be enrolled in both the school district and postsecondary institution during the local school district's regular academic year and must be enrolled in at least one high school class.
4. The district must not offer the college courses. An exception to this could occur if the local board of education determines that a scheduling conflict exists, which is beyond the student's control.
5. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.
6. School districts are required to pay the lesser of:
 - a. The actual charge for tuition, mandatory course fees, materials fees and registration fees; or
 - b. The state portion of the students' foundation allowance, adjusted to the proportion of the school year they attend the postsecondary institution.

Additionally, according to P.A. 160, eligible students may take courses for which there are no endorsements, such as computer science, foreign language, history, political science, or psychology, as long as they have taken all sections of the PSAT, SAT or ACT. State endorsement is not required in any specific area for this participation.

These conditions are subject to revision by the State of Michigan at any time. Please note that **families are required to pay expenses that exceed the pupil allowance** as calculated according to a formula. See your counselor for more details.

TRANSFER STUDENTS AND NEW STUDENTS

Students who have not regularly attended any school during the two school weeks prior to enrollment at Chippewa Hills must wait until the beginning of the next trimester to register for courses. Others will be scheduled into courses immediately, unless

If the student is under the age of 16, all work must be made up in order to receive credit from Chippewa Hills High School. The under-16 student may wait until the trimester to enroll or may receive partial credit by enrolling temporarily at MOSAIC High School.

Transfer students will be enrolled at Chippewa Hills with the understanding that Chippewa Hills graduation requirements apply from the date of enrollment. Since Michigan Merit Curriculum is what drives our graduation requirements we will require these classes to be taken in a specific order.

INTERNATIONAL STUDENTS

International students will be granted an honorary certificate of attendance for the time they are with our district.

NATIONAL HONOR SOCIETY SELECTION PROCEDURES

The Chippewa Hills National Honor Society recognizes the need for excellence in education. The Chippewa Hills National Honor Society intends to recognize students who have attained a high level of academic achievement while pursuing a solid core of academic courses. Membership in the Chippewa Hills National Honor Society is an honor bestowed upon a student. Selection for membership is by a faculty council and is based on outstanding scholarship, character, leadership, and service. Students who are eligible scholastically and have fulfilled prescribed academic requirements will be notified. In order to be considered for selection, they must complete the application. Membership is granted only to those students selected by the faculty council.

Section 1: To be eligible for membership, the candidate must be a member of those classes designated as eligible in the chapter bylaws. Ninth grade students are not eligible. Candidates must have been in attendance at Chippewa Hills the equivalent of one trimester.

Section 2: Candidates must have a cumulative grade point average of at least a 3.5 on a 4.0-scale. Candidates shall then be evaluated on the basis of service, leadership, and character.

- A. Courses counted toward NHS eligibility are designated ****NHS**** in the course descriptions throughout this curriculum guide. In order to be eligible for membership a student must take a minimum of 4 credits of the following college prep classes during the 3 trimester school year and meet the total listed below by the time of their graduation.

All NHS members must have 19 NHS credits by graduation.

English Language Arts 1, 2, 3, 4	Algebra 1, 2
AP Language	Geometry
AP Literature	Calculus
Pre-AP English	Statistics
World History	Pre-Calculus
US History	Chemistry 1, 2
Psychology 1, 2	Biology 1
Civics	Physics
Economics	Earth and Space Science
Business Law	AP Biology
United States Constitutional Law	Astronomy
World Languages (Spanish and French)	Oceanography
Dual Enrollment Courses	Forensic Science
Michigan Virtual High School Courses	Health 2

Extra work is required for the following courses to count for NHS credit:

Band (junior and senior years)	Composition and Creative Writing
Orchestra (junior and senior years)	Theatre and Performance
Painting/Pottery (junior and senior years)	Modern Literature
Project Based Science	

The NHS Faculty Council considers independent study courses for NHS credit based on approval.

- A. Service and Leadership – Candidates will be rated on a point system using the application. Areas covered are co-curricular activities, leadership positions, community activities, work experience, recognition, and awards.
- B. Character Evaluation – The candidate will be evaluated on personal characteristics by his or her classroom teachers. The following characteristics will be evaluated using a five- (5) point scale: concern for others, motivation, industry, initiative, influence with peers and leadership, responsibility, and emotional stability.

Section 3: The selection of members to the chapter shall be by a majority vote of the Faculty Council.

**INFORMATION FOR
COLLEGE-BOUND ATHLETES**

All Student-Athletes must register with the NCAA Initial-Eligibility Clearinghouse.

NCAA Division I (effective fall, 2007)

(For Division II – see the Athletic Director)

In order to be a “qualifier” (to practice, compete, and receive athletic scholarship as a freshman) the student must have completed the following:

- Graduate from high school
- Have a GPA of 2.000 in 16 core curriculum courses

And

-Achieve a minimum combined score on ACT or SAT in combination with the GPA (see the Athletic Director or your counselor for a chart indicating the combination required).

The **CORE CURRICULUM** includes:

- English (**4** years)
- Math (**3** years, Algebra 1 or higher)
- Social Science (**2** years)
- Natural or Physical Science (**2** years, including at least 1 laboratory course)
- Additional Core Courses (**1** year must be in English, math or natural or physical science)
- Additional academic courses (**4** years in any of the above areas, or foreign language, computer science, philosophy or comparative religion)

The courses approved by the NCAA as core curriculum courses are:

English

Language Arts 1
Language Arts 2
Language Arts 3
Language Arts 4
Composition and Creative Writing
AP Language & Composition
AP Literature & Composition
Modern Literature

Mathematics

Algebra 1
Algebra 2
Statistics
Geometry
Calculus
Pre-Calculus

Social Science

Psychology
Sociology
US History/Geography
US/State Government
Economics
IWS Geography
IWS Civics
World History/Geography

Natural/Physical Science

Biology (Lab)
Earth and Space Science (Lab)
Laboratory Based Sciences (Lab)
Physics (Lab)

Additional Core Courses

Business Law
AP Computer Science
Spanish 1, 2, & 3
French 1, 2, & 3

English Language Arts

English Course Sequence Scenarios:

Freshman year – ELA 1A & ELA 1B & ELA1C

Sophomore year – ELA 2A & ELA 2B

Junior year – ELA 3A & ELA 3B -or- AP Lit./Lang. (3 Trimesters)

Senior year – ELA 4A & ELA 4B –or- AP Lit./Lang. (3 Trimesters)

LA100A/B English Language Arts 1 (ELA 1)

Grades: 9-12

Trimesters: 3

Prerequisites: N/A

Credits: 1.0

Repeat for credit: No

The passing of both sections, A & B, is a requirement for the advancement to higher level Language Arts classes and for Graduation at Chippewa Hills High School. This course is a general introduction to the various types of literature that will be encountered in further study. Students will learn to identify the elements of a short story, novel and drama. In writing and grammar the following areas are covered: parts of speech, sentence structure, usage, punctuation, and vocabulary, paragraph structure and development, multi-paragraph composition, and library skills. Attention is also given to the development of listening skills, and interpersonal communication, outlining and research. **Students not achieving 60% or better with the first section will need to repeat the section A upon the next available trimester. **NHS****

LA200A/B English Language Arts 2 (ELA 2)

Grades: 10-12

Trimesters: 2

Prerequisites: Must obtain a 60% in both sections of ELA1.

Credit: 1

Repeat for credit: No

The passing of both sections of this class is a requirement for advancement in Language Arts classes and for graduation at Chippewa Hills High School. This course focuses on American literature and continues to build a solid foundation of knowledge, skills and strategies that will be redefined, applied and extended as students engage in more complex ideas, texts, and tasks. Students will add to the list of genre of classic and contemporary narrative and information texts that will be read and analyzed throughout high school. **Students not achieving 60% or better with the first section will need to repeat the section A upon the next available trimester. **NHS****

LA300A/B English Language Arts 3 (ELA 3)

Grades: 11-12

Trimesters: 2

Prerequisites: Must obtain a 60% in all sections of ELA1 and ELA2.

Credits: 1

Repeat for Credit: No

The English Language Arts 3 course will incorporate various genres of classic and contemporary narrative and informational texts with a focus on British and World Literature and SAT success. Students will connect with and respond to texts through transformational thinking. The focus on writing will be on Analysis and Research Essays to prepare students for the SAT and college and career readiness. **Students not achieving 60% or better with the first section will need to repeat section A upon the next available trimester. **NHS****

LA400A/B English Language Arts 4 (ELA 4)

Grades: 12

Trimesters: 2

Prerequisites: Must obtain a 60% in all sections of ELA1, ELA2 and ELA3.

Credits: 1

Repeat for Credit: No

The ELA4A course is designed to refine and apply the skills developed in ELA1-3. It will also extend the knowledge to incorporate 'real world' skills to prepare students for college or the workforce. The analysis of a variety of genre to guide and understand the craft and elements of writing, will be emphasized through various writing assignments. Classic and contemporary literature will be studied, as well as the use of "choice reading" to build the stamina and love of reading to meet the demands of college and beyond. The course will culminate with a senior project.

This course is sequential and the passing of ELA4 (A) with a 60% is necessary to move onto ELA4 (B). Students not achieving 60% or better with the first section will need to repeat section A upon the next available trimester.

****NHS****

Language Arts– Elective Courses

The following courses will be offered as needed and as staffing allows.

LA310 Theatre and Performance

Grades: 9 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for credit: Yes

This course explores the effects of a multitude of differing media and how it affects student lives and develop strategies for understanding modern media. Students will also work with creative, constructive, and critical thinking involving following areas: interpretative reading, reader's theater, improvisation, acting, and stagecraft. They will also practice and perform in each of the preceding areas.

LA355 Modern Literature

Grades: 11-12

Trimesters: 1

Prerequisites: Passed ELA1 & ELA2.

Credits: .5

Repeat for Credit: No

This English elective course explores literary and multi-cultural issues of 20th and 21st century literature. Emphasis will be placed on raising awareness and establishing requirements of living in a diverse society. Discussion, reading, writing and development of individual style will be the operative techniques developed. Personal and expository writing will be accentuated.

LA340A Composition & Creative Writing

Grades: 9 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

Students will read and interpret a variety of poems and short fictional works by a variety of authors (classic to contemporary). Through reading and writing activities, students will gain a sound understanding of the elements of poem, poetic techniques and the various forms a poem can take. Students will also master an understanding of the elements of fiction and apply this understanding to their own written creations. Students will be encouraged to submit at least one "perfected" piece to the Teen Ink website and Literary Magazine. Student projects will also include, but not be limited to, short dramas and children's and young adult pieces. Aside from broadening students' literary scope, helping them read as a writer and exposing them to constructive criticism, this class will perhaps most importantly cultivate within them an aesthetic appreciation for the beauty of the language. Students will participate in "writer's workshops." In place of a traditional exam, students will be required to create and present a multi-faceted portfolio.

LA350 Pre-AP English

Grades: 10 or 11

Trimesters: 1

Status: Highly recommended for entrance into AP English. This class is not a substitute for ELA 2; rather, it serves as a preparatory class for both AP Language and Composition and AP Literature and Composition.

Can be taken in conjunction with ELA 2 or ELA 3.

Credit: .5

Repeat for Credit: No

This class will require intense focus on mechanical correctness syntactical maturity, college-level vocabulary development, organization, audience consideration and persuasion. Essays, speeches, drama, poetry, novels, will all be focuses of study. Outside reading will be required, as well as an extended analysis of student's author of choice, or research of a topic of their choice. Responsibility, maturity, and study habits should develop to a successful level for entrance into AP Language or AP Literature. ****NHS****

LA510A/B/C Advanced Placement Language & Composition

Grades: 11-12

Trimesters: 3

Prerequisites: A grade of B or better in ELA2 or ELA3 or a written recommendation from an ELA teacher with AP instructor approval

Credits: 1.5

Repeat for Credit: No

This elective course is an advanced *college-level* course focusing mainly on non-fiction and American authors. Students will intensively focus on the development of classic rhetoric and argumentation, honing their critical thinking, reading, and literary analysis skills. In addition, a research paper is required to pass the course and outside reading is required. Students must enter into the class with the understanding that taking the national AP Language and Composition exam in May is expected, at a cost to the student. Some scholarships are available. **ADDITIONAL SUMMER READING IS REQUIRED. **NHS****

LA410A/B/C Advanced Placement Literature & Composition

Grades: 11-12

Trimesters: 3

Prerequisites: A grade of B or better in ELA2 or ELA3 or a written recommendation from an ELA teacher with AP instructor approval.

Credits: 1.5

Repeat for Credit: No

This elective course is an advanced *college-level* course focusing mainly on the genres of fiction, including the novel, short story, drama and poetry. Students will intensively focus on the development of classic rhetoric and argumentation, honing their critical thinking, reading, and literary analysis skills. They will be asked to apply these skills to challenging literature and demonstrate accurate and original thinking through a variety of oral and written responses. Additionally, the course requires outside reading toward constructing a cultural and aesthetic appreciation for the arts and, an extended literary analysis paper is required to pass the course. Students must enter into the class with the understanding that taking the national AP Literature and Composition exam in May is expected, at a cost to the student. Some scholarships are available. **ADDITIONAL SUMMER READING IS REQUIRED. **NHS****

Mathematics

Higher math skills are essential for the job market that graduates will be facing. Furthermore, students should be given every chance at being successful in math. Therefore, the following requirements are in place:

- One Algebra credit will be given to 8th students who achieve a C- or better in their 8th grade Algebra course and their final exam
- College bound students should plan to take Algebra 1, Geometry, Algebra II, Pre-Calculus, and Calculus (for those pursuing math related careers)

MA200A/B/C/D/E Algebra 1

Grades: 9 - 12

Trimesters: 2 (or slow paced 3)

Prerequisites: A grade of 60% or better in Pre-Algebra or Integrated Math I or Teacher Recommendation

Credits: 1

Repeat: Yes – for math credit

This class is a study of number theory, the basic operations over the real number system, solving equations and inequalities, and working with polynomials. It will acquaint the student with the use of unknowns and how to solve problems with one or more variables. It will also include various introductory topics in geometry, statistics and probability. ****NHS****

Students not achieving at least a C- trimester average will be required to repeat the trimester to progress to the next trimester or course.

MA350A/B/C/D/E Geometry

Grades: 9 - 12

Trimesters: 2 (or slow paced 3)

Prerequisites: A grade of 60% or better in Algebra 1 or Teacher Recommendation

Credits: 1

Repeat: Yes – for math credit

This course acquaints students with aspects of geometry using problem solving direct proofs, and constructions as means. Concepts related to lines, angles, triangles and polygons will be covered first semester. Concepts pertaining to right triangles, circles, areas, volume, constructions and solid geometry are stressed second trimester. ****NHS****

MA400A/B/C/D/E Algebra 2

Grades: 9 - 12

Trimesters: 2 (or slow paced 3)

Prerequisites: A grade of 60% or better in Geometry or Teacher Recommendation

Credits: 1

Repeat: Yes – for math credit

Students study more about variables, equations and graphs, plus a variety of topics: Quadratic equations, polynomials, matrices, systems, statistics, logarithms, conic sections, manipulation of radical expressions, and trigonometry. ****NHS****

MA500A/B Pre-Calculus

Grades: 10 - 12

Trimesters: 2

Prerequisites: A grade of 70% or better in Algebra II or Teacher Recommendation

Credits: 1

Repeat for Credit: Yes – for math credit

Students study more of the fundamental concepts of algebra, along with trigonometry and analytic geometry. This course will foreshadow the important ideas of Calculus including complex numbers, unit circle, vectors, bearings, trigonometric identities, linear factorization, rational zeros and the use of technology to assist. ****NHS****

MA600A/B Calculus

Grades: 10 - 12

Trimesters: 2

Prerequisites: A grade of 70% or better in Pre-Calculus or Teacher Recommendation

Credits: 1

Repeat for Credit: Yes – for math credit

This course is designed as a follow-up to Pre-Calculus and will prepare the student for the next higher level of mathematics. Calculus is explored through the interpretations of graphs and tables as well as analytic methods. In this course, students will investigate graphical and data-based problems algebraically and with the use of technology. Students will also learn to analyze and model data, represent data graphically, interpret from graphs and fit curves. An extension of derivatives and integrals is presented along with parametric functions. After completing this course students will have a rich array of applications involving different curriculums. ****NHS****

MA550A/B Consumer Math

Grades: 12 only

Trimesters: 2

Prerequisites: Three math credits or two math credits with one taken concurrently with Consumer Math

Credits: 1

Repeat for Credit: No

Students will learn the basics of sound financing through the Dave Ramsey videos. Everything from insurance to investing, banking to career choices will be covered. Students will plan a budget for everyday life while learning the dangers of debt.

MA525A/B Statistics

Grades: 10 - 12

Trimesters: 2

Prerequisites: A grade of 60% or better in Algebra II or Teacher Recommendation

Credits: 1

Repeat for Credit: Yes – for math credit

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Each student will explore descriptive statistics, probability, sampling distributions, statistical inference and regression. ****NHS****

Science

SC100A/B Earth and Space Science (ESS)

Grade: 9

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

Earth & Space Science A and B are an exploration of the universe around us. Students will investigate natural phenomena and the relationships between them through a series of class discussions, laboratory investigations, classroom activities, internet-based activities, readings, and videos. Topics covered relate to the new Michigan Science Standards and include units on astronomy, geology, natural resources, and weather & climate. ****NHS****

SC200A/B Biology 1

Grade: 9 - 12

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

Biology teaches the relationships of living things to their environment. Laboratory techniques and procedures are covered as well as taxonomy, characteristics of major phyla, homeostasis, and self-regulation in living organisms. Biology students will study living things, beginning with background information including chemistry, genetics, and cell reproduction, progressing to one-cell organisms, plants, and animals including humans. ****NHS****

SC250A/B Biology II

Grade: 10 - 12

Trimesters: 2

Prerequisites: Biology I, C or higher

Credits: 1

Repeat for Credit: No

A goal of this course is to present the student with a deeper dive into biological science, with an emphasis on science and engineering practices. Through this, students will develop a greater understanding of the core ideas of biology. Dissections of several animal species will be done, comparing the development of body systems as evolution drove greater complexity and diversity in living things. ****NHS****

SC500A/B Project-Based Science

Grades: 11 - 12

Trimesters: 2

Prerequisites: "B" or better in Algebra 1 and Biology 1

Credits: 1

Repeat for Credit: No

This advanced course expands on laboratory skills. Computer interface technology and probes will be used in conjunction with traditional laboratory equipment to conduct in-depth investigations on topics in any topic of science of interest to the student. Students will also collaborate in teams on a research project in their chosen field.

SC50A/B/C AP Biology

Grades: 11-12

Trimesters: 3

Prerequisites: "C" or better in Biology 1 A/B

Credits: 1.5

Repeat for Credit: No

AP Biology is a course designed for students that have a strong interest in, or desire to pursue a career in, the sciences. It offers students topics that are covered in freshman Biology courses at the university level. Students accepting the challenge of an Advanced Placement course will be required to actively participate in all lectures and laboratory activities that are conducted during the year.

Laboratory activities suggested by the College Board are conducted to give the students a fair representation of a university-level Biology course. In addition to the College Board laboratories, the instructors add activities when they supplement the unit effectively. **** NHS ****

SC150A/B Applied Physics

Grade: 9 - 12

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

This course focuses on concepts and applications of physics, including laboratory investigations, and the use of basic algebra skills. The students will gain a greater understanding of the laws of physics that create the world around them. Students will develop an understanding of the concepts underlying the phenomena of motion, force, energy, matter, sound, electricity, magnetism, light and the atom.

SC300A/B Chemistry 1

Grades: 10 - 12

Trimesters: 2

Prerequisites 70% or better in Algebra

Credits: 1

Repeat for Credit: No

This is a general survey course with emphasis on the periodic chart and families of elements. Proper laboratory techniques and safety procedures are covered. Topics covered include matter and energy, composition of matter, the modern atomic theory, formula writing, and basic types of chemistry equations. ****NHS****

SC302A/B Chemistry 2

Grades: 11 - 12

Trimesters: 2

Prerequisites: Chemistry 1A/B

Credits: 1

Repeat for Credit: No

A continuation of Chemistry 1, Chemistry 2 emphasizes qualitative and quantitative analysis. Areas covered include Stoichiometric problem solutions, understanding gas laws, acid base titrations, oxidation-reduction reactions, and an introduction to organic chemistry. ****NHS****

SC400A/B Physics

Grades: 11 - 12

Trimesters: 2

Prerequisites: 1 trimester of Algebra 2

Credits: 1

Repeat for Credit: No

Topics covered include matter and energy, forces, heat, light, sound, and electricity. Students gain an understanding of matter and energy and how they are measured. Students develop a proficiency in mathematical solutions to multiple concept problems and gain a greater in-depth awareness of their physical world. ****NHS****

SC210 Astronomy

Grades: 9 - 12

Trimesters: 1

Prerequisites: Passed Earth Science with a C or higher

Credits: .5

Repeat for Credit: No

Astronomy is a foundations course that introduces students to the night sky. Topics include celestial coordinates and constellations, telescopes and other tools, as well as light and other EM radiation. Our solar system is explored, as are theories on star formation and cosmology. Opportunities for evening telescope use will be provided. ****NHS****

SC350A Oceanography

Grades 9 – 12

Trimesters: 1

Prerequisites: Passed Earth Science with a C or higher

Credits: .5

Repeat for Credit: No

The history of ocean exploration, geology of the seafloor, chemical and physical properties of ocean water, ocean motions (waves, currents, and tides) and life in the sea are investigated in this course through experimentation, classroom activities, internet-based activities, videos, and class discussions. The impact of the ocean on global weather and climate is also examined. ****NHS****

SC600 Forensic Science

Grades 10 - 12

Trimesters: 1

Prerequisites: Biology A/B

Credits: .5

Repeat for Credit: No

Forensic Science is a one trimester course in which students learn to apply concepts learned in biology, chemistry, earth science and physics to the area of crime scene investigation. Laboratory work, inquiry, problem solving and team work are emphasized throughout the course as groups work to solve a mock crime scene. ****NHS****

Social Studies

SS150A World History and Geography A

Grades: 10 – Required for Graduation

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

As students study World History and Geography, they will learn about the human experience over time and space. They will encounter powerful and sometimes conflicting ideas while learning about people and events in different places and times. They will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human and social forces that have influenced and continues to influence us. Studying World History and Geography connects us to people and events across time and space, illuminating the range and depth of human experience on grand as well as local scales. Time periods covered: 15th Century to 1914. ****NHS****

SS150B World History and Geography B

Grades: 10 – Required for Graduation

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

As students study World History and Geography, they will learn about the human experience over time and space. They will encounter powerful and sometimes conflicting ideas while learning about people and events in different places and times. They will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human and social forces that have influenced and continues to influence us. Studying World History and Geography connects us to people and events across time and space, illuminating the range and depth of human experience on grand as well as local scales. Time periods covered: 1900 to the Present. ****NHS****

SS200 Civics

Grades: 11- Required for Graduation

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

This required class compares and contrasts information on the United States governmental system with other world systems of government, the theory of and origins of government, the Bill of Rights, and the 3 branches of government. Citizenship and State and local governments will also briefly be discussed. Class discussion of current events on national events challenges students' critical thinking skills. A strong emphasis is placed on writing skills to promote citizenship. ****NHS****

SS270 Economics

Grades: 11- Required for Graduation

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

This is a basic economics course. Students will cover a variety of economic issues as they pertain to you, the consumer and business. Students will explore the free market system of the United States and the role the government plays in this system. Students will be able to define the law of supply and demand, explain what the free market system is and how it works, and our role in the global economy. ****NHS****

SS300A United States History and Geography A

Grades: 9 – Required for Graduation

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

As Michigan students study United States History and Geography, they will learn about the American experience over time and space. They will encounter powerful and sometimes conflicting ideas while learning about people and events in different places and times. They will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human, and social forces that have influenced and continues to influence America and Americans. Studying United States History and Geography connects us to people and events across time and space, illuminating the range and depth of human experience on grand as well as local scales. It involves an analytical study of the nation's political ideals, or times and places where people or events challenged, violated, or expanded those ideas. Time Period Covered: Industrialization through the Great Depression. ****NHS****

SS300B United States History and Geography B

Grades: 9 – Required for Graduation

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

As Michigan students study United States History and Geography, they will learn about the American experience over time and space. They will encounter powerful and sometimes conflicting ideas while learning about people and events in different places and times. They will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human, and social forces that have influenced and continues to influence America and Americans. Studying United States History and Geography connects us to people and events across time and space, illuminating the range and depth of human experience on grand as well as local scales. It involves an analytical study of the nation's political ideals, or times and places where people or events challenged, violated, or expanded those ideas. Time Period Covered: World War II to the Present ****NHS****

SS400 United States Constitutional Law (Offered on Rotating every other year basis -17-18, 19-20, etc.)

Grades: 11 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

Class Fee for digital book: \$5.00

This course is a study of leading American Constitutional principles as they have evolved through major decisions of the United States Supreme Court with an emphasis on Judicial Review. Course will use selected Supreme Court Rulings to examine how individual rights are protected under terms of the United States Constitution. Focus will be on the 1st, 4th, 5th, 6th, 7th, 8th and 14th Amendments to the United States Constitution. Other topics include but are not limited to gender, race, Americans with Disabilities, criminal justice policy and the judicial process. ****NHS****

SS550A Psychology 1

Grades: 10 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

This course provides an overview of the major areas in the field of psychology. As a whole, the course will explore many diverse topics within the field. The following areas will be emphasized: *The Science of Psychology, theories of personality, development, intelligence, and principles of learning*. Students will begin with a brief history of the science, famous psychological findings/research, studies/experiments, and influential articles. An organized binder, or notebook, will be required and maintained throughout the trimester as well. ****NHS****

SS550B Psychology 2

Grades: 11 - 12

Trimesters: 1

Prerequisites: Must obtain a C or better in Psychology

Credits: .5

Repeat for Credit: No

This course provides a more in-depth study of the various fields of study in psychology. Students will explore, more thoroughly, famous experiments, methodology, psychologists, and theories. The following areas will be investigated: *Behavior in Social and Cultural Contexts, Psychological Disorders, Approaches to Treatment and Therapy, and the American Psychological Association's Guidelines for publishing and writing papers*. An organized notebook and active participation in group discussions will be the expectation. ****NHS****

Health and Physical Fitness

PH100 Health 1

Grades: 10-12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

Health education emphasizes, "Health is a way of living." Some of the topics covered are nutrition, anatomy, physiology, drug use & abuse, basic physical fitness, diseases & infections, CPR & first aid.

PH500 Health 2

Grades: 11-12

Trimesters: 1

Prerequisites: B or better in Health and Bio A & B.

Credits: .5

Repeat for Credit: No

This class is for those students who are interested in how the brain works or who may be interested in pursuing a career in the health care field. A great deal of information is presented in a short period of time; much of it involves watching videos of professionals in their specific fields. This is a class that covers basic anatomy of the brain, brain based learning, introduction to physiology, and introduction to kinesiology. Labs are a big part of this class, which involves the ability to work independently and with a group to finish a task. ****NHS****

PH200 Physical Education 1

Grades: 9 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

The course covers fundamentals and skills in team and individual activities to facilitate a greater degree of enjoyment of lifetime participation. Individual fitness levels are assessed and students are instructed in physical fitness programs. Available facilities and class grouping will limit activities included.

PH300 Strength and Conditioning

Grades: 9 - 12

Trimesters: 1

Prerequisites: passing grade in PE 1

Credits: .5

Repeat for Credit: Yes

The focus of the course is to improve physical fitness through strength training and conditioning. Weight training, running, stretching, cardiovascular conditioning, plyometric, and physical fitness testing are included in this class. Specific sport skills are not addressed.

PH310 Personal Fitness

Grades: 9 - 12

Trimesters: 1

Prerequisites: passing grade in PE 1

Credits: .5

Repeat for Credit: Yes

This class is for the student who wishes to improve their fitness, muscle tone, and weight control. Class procedures will primarily be the daily performance of aerobic exercises and total body fitness. Some weight training and fitness testing will be included.

PH400 Sports and Fitness

Grades: 9 - 12

Trimesters: 1

Prerequisites: passing grade in PE 1

Credits: .5

Repeat for Credit: Yes

This is a course with emphasis on developing and maintaining personal health through physical fitness. Students will also participate in team related sports. Physical fitness testing and participation are requirements of this course.

Agriscience & Agriculture

Agriscience and Agriculture emphasizes the importance of agriculture and natural resources in our personal, family, community, national, and international lives. The curriculum uses agriculture and natural environment as means to stimulate critical and creative thinking to enhance students' reading, writing, mathematical, and problem-solving skills. Agriscience and Natural Resources classes are viewed as elective science classes. Learning outcomes are cross-referenced with the State of Michigan science objectives and, unlike traditional science classes, the curriculum reinforces classroom learning with participation in FFA and supervised agriscience experience programs.

AG100A/B Natural Resources and Michigan Agriculture

Grades: 9 - 12

Credits: 1

Trimesters: 2

Repeat for Credit: No

Prerequisites: None

This class will provide opportunities for students to explore the environmental effects of production agriculture in Michigan. Students examine the importance of forests, wildlife, recreation, and parks as natural resources. They will analyze the impact and long-term quality effects on the environment caused by humans, and analyze soil, plant, and animal properties and how they affect our environment. Career opportunities in Natural Resources and Agriscience will be explored. **This course may count as one science elective credit.**

AG200A/B Plant Science / a Biological Approach

Grades: 9 - 12

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

Plants are important to humans in many ways. This class will examine these factors as well as explore plant structures, their parts, and functions, and their requirements and reproduction. Students will examine the functions of soil as related to plant growth, compare the basic types of soil, and analyze production methods as they relate to soil erosion and pollution. Career opportunities in the vast area of plants and soils will also be explored. **Plant Science and Animal Science together will meet the Michigan Biology objectives. This course may count as ½ biology credit and ½ science elective credit.**

AG300A/B Animal Science / a Biological Approach

Grades: 9 - 12

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

People are dependent upon livestock production for supplies of food, clothing, and recreation. This course will examine these factors and study the selection, breeding, feeding, care, and marketing of animals. Career opportunities in Animal Science will be explored in the production of livestock as well as the numerous jobs for students in related fields such as processing, grading, marketing, and service. **Plant Science and Animal Science together will meet the Michigan Biology objectives. This course may count as biology credit and science elective credit.**

AG660 Ag. Mechanical Maintenance and Systems

Grades: 9 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

All equipment needs to be maintained, and often, simple repairs can be done at home. Emphasis will be placed on safety, maintenance, and repair. Skills and knowledge will be covered in the areas of hydraulics and proper use of the torch and welder. Career and educational opportunities in the mechanical and equipment maintenance areas will be explored.

AG665 Ag. Building Construction and Systems

Grades: 9 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

This class is an introduction to agricultural buildings and the systems involved. Students will learn working through a small project from planning to completion. This course will include study in pneumatics, many areas of construction, concrete, plumbing, and electrical wiring. Career and educational opportunities in the construction-related fields will also be explored.

AG500 Ag. Business Management and Marketing

Grades: 10 - 12

Trimesters: 2

Prerequisites: Natural Resources & Animal Science are recommended

Credits: 1

Repeat for Credit: No

An important key to the survival of a business is good management and the ability to compete and win in the marketplace. This requires extensive knowledge of all aspects of business. This course provides study and skill development in goal setting, decision making, record keeping, financial analysis, marketing strategies, investment analysis, type of business, agriculture law, and computer applications. Career opportunities in the agri-business management industry will also be explored.

Business and Computers Technology

BC100 Basic Computers

Grades: 9 - 12

Trimesters: 1

Prerequisites: Keyboarding experience is recommended

Credits: .5

Repeat for Credit: No

This course is an introduction to computer applications. Topics covered in the course include word processing, database, spreadsheet, and integration of these programs with Power Point. This course requires a great deal of keyboarding with some time given to refreshing keyboarding skills. The semester is fast-paced and coursework is primarily computer applications, therefore, excellent attendance is imperative.

BC300A/B Business Law

Grades: 10 - 12

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

This class emphasizes the terminology and procedures related to business and personal law. Some topics include knowing about the law (ethics, torts, and dual courts), contracts (consideration, legality), being a consumer (consumer protection, personal property and bailment) and numerous topics for preparation for adult society. ****NHS****

BC400 Web Page Design 1

Grades: 9 - 12

Trimesters: 1

Prerequisites: Basic Computers or Exam

Credits: .5

Repeat for Credit: No

This class will allow students to design and update web pages, and utilize creativity and technology. Students will use rubrics to evaluate web pages, increase their computer literacy skills using web page software, and produce a product.

BC450 Web Page Design 2

Grades: 10 - 12

Trimesters: 1

Prerequisites: A grade of C or better in Web Page Design 1

Credits: .5

Repeat for Credit: No

This class will allow students to explore advanced web design techniques. Students will use web page software to update school related websites and to create new websites.

World Languages

WL100A/B Spanish 1

Grade: 9 – 12

Trimesters: 2

Prerequisite: None

Credits: 1

Repeat for Credit: No

This class will give students a general understanding of Spanish language and culture (history, lifestyle, literature, art, music, etc.) at a basic level. Emphasis in the target language will be placed on reading, writing, speaking, and listening. The student should be well-motivated and have good study skills. Good spelling and Language Arts skills as well as the ability to positively interact with others are important in this class. ****NHS****

WL200A/B Spanish 2

Grades: 10 – 12

Trimesters: 2

Prerequisite: Passing grade in Spanish 1 (Meets Foreign Language Requirement)

Credits: 1

Repeat for Credit: No

This class offers students the opportunity to learn more about Spanish language (vocabulary, mechanics, etc.) and culture. As in Spanish 1, reading, writing, speaking, and listening skills are highly stressed. In this class students have the opportunity to participate in field trips that expose them to authentic "real-world" Hispanic culture. Various student projects also enhance the students' language skills and cultural perspectives. ****NHS****

WL300A/B Spanish 3

Grades: 11-12

Trimesters: 2

Prerequisite: Grade of C- or better in Spanish 2

Credits: 1

Repeat for Credit: No

This class is intended for those highly motivated students who enjoy Spanish language and culture and wish to further enhance their knowledge of the language. In this class students have the opportunity to participate in field trips that expose them to authentic "real-world" Hispanic culture. Various student projects also enhance the students' language skills and cultural perspectives. Much more emphasis is placed on communicating in the Spanish language. Class size is generally smaller, allowing for more individual attention. ****NHS****

WL150A/B French 1

Grades: 9 – 12

Trimesters: 2

Prerequisites: None

Credits: 1

Repeat for Credit: No

Course Fee: \$13 for workbook due the 1st week of class

This class gives the student a general understanding of French language and culture at a basic level. Emphasis is placed on developing reading, writing, speaking, and listening skills in French. The student should be motivated and willing to develop strong study skills. A good memory, spelling skills, and the ability to positively interact with others will help the student to be successful in this class. ****NHS****

WL250A/B French 2

Grades: 10 – 12

Trimesters: 2

Prerequisites: Passing grade in French 1 (Meets Foreign Language Requirement)

Credits: 1

Repeat for Credit: No

Course Fee: \$13 for workbook due the 1st week of class

This class introduces additional vocabulary and grammar patterns of spoken and written French. The student will also learn more about the people and cultures of French speaking countries. The class emphasizes the areas of listening, speaking, reading, writing, and language patterns. The student will demonstrate increased knowledge and ability to communicate in everyday situations. ****NHS****

WL350A/B French 3

Grades: 11 – 12

Trimesters: 2

Prerequisites: Grade of C- or better in French 2

Credits: 1

Repeat for Credit: No

This course is intended for those students who enjoy French language and culture. The students will further enhance their knowledge of the language. ****NHS****

Industrial Arts

IT300A/B Graphic Communication 1

Grades 9-12

Trimesters: 2

Prerequisites: None (Meets Applied Art Requirement)

Credits: 1

Repeat for Credit: No

The broad concepts of graphic reproduction are introduced with a major emphasis on offset printing, screen-printing, and photography. Units of instruction include: computer typesetting and design, composition, layout, design, line camera principles, press, and bindery work. Graphic Communications is a performance-based class in which students will have the opportunity to produce a number of individual projects.

IT320A/B Graphic Communication 2

Grades 10 -12

Trimesters: 2

Prerequisites: Passing grade in Graphic Communications 1 (Meets Applied Art Requirement)

Credits: 1

Repeat for Credit: Yes

This production-oriented course gives students an opportunity to learn more advanced techniques in printing. This course is structured so that students will work cooperatively at various stations to learn new techniques and also have time to complete individual projects.

IT400A/B CADD – Computer Aided Design and Drafting

Grades: 9-12

Trimesters: 2

Prerequisites: None (Meets Applied Art Requirement)

Credits: 1

Repeat for Credit: No

CADD introduces students to the use of computers to create technical drawings of objects. Projects are designed to develop the students' knowledge of industry standards. AutoCAD and Solid Edge are the software used. Early assignments begin with simple drawings and progress to increasingly complex designs. The CADD lab is updated with state-of-the-art projection media, a large-scale color plotter, and 24 new computers. *All* students are encouraged to take this class in order to develop graphic communication and perception abilities. Any students planning a career in CADD, construction, manufacturing, architecture, engineering, or related fields, are strongly encouraged to take CADD.

IT100 Video Communication 1

Grades: 9-12

Trimesters: 1

Prerequisites: None (Meets Applied Art Requirement)

Credits: .5

Repeat for Credit: No

Students will produce a variety of video projects using the knowledge and skills developed through instruction, observation, and experience. The importance of planning a video project is emphasized. Students brainstorm project ideas, create storyboards, shoot, and edit. Digital video cameras and computer software are used to capture and produce videos that have music, narration, transitions, special effects, graphics, and titles. This class is recommended for any student that enjoys making videos. VC1 is a "must-take" class for those students planning a career in video production, broadcasting, communication, or related fields.

IT120 Video Communications 2

Grades 9-12

Trimesters: 1

Prerequisites: A grade of C- or better in Video Communication 1

Credits: .5

Repeat for Credit: Yes

Students will use in-depth methods to produce projects such as the school's daily announcements, short movies, and instructional videos for teachers, video tours of the school district, etc. Every student will get experience participating in roles of scriptwriter, director, producer, camera operator, editor, and others. Emphasis is placed on efficient production methods and meeting deadlines.

IT500A/B/C Yearbook Design and Creation

Grades: 11-12

Trimesters: 3

Prerequisites: A 'B' or better in ELA 1 or 2 & Graphic Com. is recommended

Credits: 1.5

Repeat for Credit: Yes, with instructor's permission

The Chippewa Hills High School yearbook is created in this class. Students learn graphic design and layout principles and apply them to the production of yearbook pages. Digital photography is taught. Web-based software is used extensively. The class works as a team to plan, design, create, market, finance, and distribute the yearbook. To be successful in Yearbook, students must have strong ethics, work habits, and work under the pressure of meeting deadlines. Above average writing skills are also important. Strongly recommended for students pursuing a career in journalism, graphic communications, photography, or other related areas.

IT200A/B Wood Technology

Grades: 9-12

Trimesters: 2

Prerequisites: None (Meets Applied Art Requirement)

Credits: 1

Repeat for Credit: No

Wood technology is a classroom and laboratory course in woodworking. Introductory skills and safety procedures will be emphasized and learned while building 3 introductory projects. Students are introduced to the basic operation of woodworking machinery, wood joints, furniture building, lathe turning and wood bending.

IT220A/B Advanced Wood Technology

Grades: 10-12

Trimesters: 2

Prerequisites: Wood Technology (Meets Applied Art Requirement)

Credits: 1

Repeat for Credit: Yes, with instructor's permission

Students will build on skills learned in Wood Technology. Emphasis is placed on the construction of furniture with drawers and doors. Students are also asked to design and build a project of their choice using custom plans and in depth construction techniques.

IT280 Wood for Sports

Grades: 10-12

Trimesters: 1

Prerequisites: Wood Technology (Meets Applied Art Requirement)

Credits: .5

Repeat for Credit: No

Students learn techniques for building wooden sports equipment. Wood bending and lamination are utilized to build projects such as Snowshoes, Canoes, Fishnets, Toboggans, Baseball bats and other sporting goods.

IT150A/B Welding Technology

Grades: 9-12

Trimesters: 2

Prerequisites: None (Meets Applied Art Requirement)

Credits: 1

Repeat for Credit: Yes

This course is designed as an introduction to metal welding and cutting processes. Students are introduced to Oxy-fuel cutting and welding, Shielded metal arc welding, Gas metal arc welding, Plasma arc cutting and project fabrication. Safe use of tools, cooperation and teamwork are emphasized. Students complete a variety of test welds and then design and build a project of their choice. Students completing this course are ready to enroll in the MOCC welding program

IT160 Small Engines 1 – Principles of Operation

Grades: 9-12

Trimesters: 1

Prerequisites: None (Meets Applied Art Requirement)

Credits: .5

Repeat for Credit: Yes

This course will introduce students to the theory and operating principles of 2 and 4 cycle engines. Carburetion, Ignition, Cooling and Lubrication systems will be studied along with basic tool use and general shop safety. The students are required to rebuild a 5hp Briggs and Stratton 4 cycle engine and a 2-cycle Stihl weed whip engine. Students completing this course are ready to enroll in the MOCC power mechanics program or Small Engines 2.

IT402 Small Engines 2 – Troubleshooting, Repair and Maintenance

Grades: 9-12

Trimesters: 1

Prerequisites: Small Engines 1 (Meets Applied Art Requirement)

Credits: .5

Repeat for Credit: No

This course will build on the knowledge base gained in Small Engines 1 and apply it to repair and troubleshooting techniques. Students learn how to perform basic repairs and maintenance tasks on various small gas engine powered equipment from Snow blowers to Garden tillers. Teamwork and cooperative work skills are emphasized. Students completing this course are ready to enter the work force with entry-level skills or enroll in a program of higher learning in the field of power mechanics.

Fine Arts

All courses listed below meet visual/applied/performing arts requirements.

FA100 Introduction to Art

Grades: 9 - 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

This beginning art course is designed to teach the basic elements and principles of design. The class will focus on the exploration in both 2 and 3-dimensional design and media, as well as art history. Students will be encouraged to explore a variety of methods for creating art. It is a requirement before taking all other art courses.

FA120 2-Dimensional Art

Grades: 9 - 12

Trimesters: 1

Prerequisites: Introduction to Art

Credits: .5

Repeat for Credit: Yes

Students will develop skills in a variety of 2-dimensional techniques. Students will be encouraged to explore and work with a variety of media including, but not limited to, paint, pencil, charcoal, pastels, and oil pastel. During this course, students will gain an understanding of 2-dimensional art and artists through history, keep a sketchbook, and begin a portfolio.

FA130 3-Dimensional Art

Grades: 9 - 12

Trimesters: 1

Prerequisites: Introduction to Art

Credits: .5

Repeat for Credit: Yes

Students will develop skills in sculpture. Students will explore a variety of media such as wire, paper mache, plaster, clay, etc. Students will learn about 3-dimensional art and artists throughout history, keep a sketchbook, and begin a portfolio.

FA200 Drawing

Grades: 10 - 12

Trimesters: 1

Prerequisites: 2-Dimensional Art

Credits: .5

Repeat for Credit: Yes

Students will use a variety of media to explore a variety of drawing techniques. Media include pencil, colored pencil, charcoal, markers, pastels, oil pastels, and ink. Art history and art criticism will be a part of this course as well as group discussions about peer artwork. Students will maintain a sketchbook and continue to develop a portfolio. Because of the importance of drawing to all aspects of art and design, this course is recommended for all art students, regardless if one has 2 or 3-dimensional goals.

FA250 Painting

Grades: 10 - 12

Trimesters: 1

Prerequisites: 2-Dimensional Art

Credits: .5

Repeat for Credit: Yes

This course builds from the color basics learned in Introduction to Art and 2D Art and is strongly recommended for students with a serious interest in 2-dimensional art and plan to continue to Advanced Art. Students will experience a variety of painting media such as watercolor, tempera, acrylic, and oils. Students will paint on fabric and explore painting styles of other artists. Art history and art criticism will be taught. Students are expected to maintain sketchbooks and add to their portfolios.

FA230 Pottery and Sculpture

Grades: 10 - 12

Trimesters: 1

Prerequisites: 3-Dimensional Art

Credits: .5

Repeat for Credit: Yes

Students will continue to explore a variety of sculpture media, building from the basics learned in 3-dimensional art. They will use a variety of techniques to create pottery. Art history and art criticism will be part of the course. Students are expected to maintain sketchbooks and add to their portfolios as well as use the pottery wheel.

FA300 Advanced Art

Grades: 11 - 12

Trimesters: 1

Prerequisites: Intro to Art, 2-D, 3-D, and one higher level art

Credits: .5

Repeat for Credit: Yes

Students with a serious interest in continuing their art education should take this class. The teacher and student work together to design individualized lessons that focus on the student's interests. A portfolio will be continued and evaluated. Students are expected to maintain a sketchbook and participate in the study of art history and various artists. This semester course can be taken all year if desired.

FA350 Art: Aesthetics, History, & Criticism

Grades: 10-12

Trimesters: 1

Credits: .5

Prerequisites:

Repeat for Credit: No

This is a Non-studio course designed for the person who is interested in art but does not feel "talented". The purpose of this course is to help students understand the making of art, the personal decisions people make about art, and the meaning of specific pieces. Through description, analysis, interpretation and judgment, students will discuss and write about the impact of art on society, how art communicates, and art history. We will look for answers to the questions: Why is that art? What makes art good?

IT600A Digital Photography Communication

Grades: 9-12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

Technology makes photography simple and affordable. This class teaches students the basic principles of photography, how to use the camera to get good photographs, and how to use software to improve and alter digital photos. Much time is spent learning to use Photoshop and applying those skills to design original digital creations, such as collages, magazine covers, movie posters, and more. Students may use school DSLR cameras or their own cameras for assignments. Careers in photography are explored. Skills gained in this class will be useful for a lifetime.

FA51A/B High School Band

Grades: 9 -12

Trimesters: 3

Prerequisite: Eighth Grade Band and audition or teacher permission.

Credit: 1.5

Repeat for Credit: Yes

The first portion of the year involves Marching Band with performance at all home football games and various marching festivals' and competitions. Upon conclusion of football season, Marching Band members are placed into the Wind Ensemble or Symphonic Band by audition. These bands are dedicated to performing the finest literature available for wind instruments. Completion of three terms of marching band will waive one of the PE credits. New students must audition.

FA500 High School Orchestra

Grades: 9-12

Trimesters: 3

Prerequisites: Junior High Orchestra and audition or teacher permission

Credits: 1.5

Repeat for Credit: Yes

Performance of string and full orchestra repertoire – Baroque, Classical, Contemporary, and Alternative – is a requirement of this course. Advanced performance of ensemble, scales, and solos is encouraged. The orchestra participates in several concerts, orchestra festivals, and solo and ensembles festivals. Grading requirements include class rehearsal participation, testing, and participation at concerts and festivals. Participation in all three trimesters is a requirement.

Other Required

ACT100A Test Prep

Grades: 11

Trimesters: 1

Prerequisites:

Credits: .5

Repeat for Credit: No

This course prepares the student for taking assessments. All Junior's should take this class before taking the SAT/MSTEP assessments.

Other Electives

E300 Life After High School

Grades: 12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: No

This class investigates the social, financial and educational changes that graduating seniors will face in the world outside of high school.

E100 Study Skills

Grades: 9-12

Trimesters: 1

Prerequisites: None

Credits: .5

Repeat for Credit: Yes

This course is devoted to instruction on techniques and strategies such as note-taking, reading comprehension, test taking skills, time management and organization.

E099A/B/C LEARNING LAB

Grades: 9-12

Trimester: 1

Repeat for Credit: Yes

This course is devoted to instruction on techniques and strategies such as note-taking, reading comprehension, test taking skills, and organization. Self-advocacy skills will also be a focus of the learning lab. This course is one trimester.
SES

MECOSTA-OSCEOLA CAREER CENTER

GENERAL INFORMATION

The Mecosta-Osceola Career Center is an area career and technical educational (CTE) facility serving high school students from the districts of Big Rapids, Chippewa Hills, Ewart, Morley-Stanwood and Reed City. Career Center students spend two and one-half hours each school day in their chosen CTE program and the remainder of each day at their home high schools. Students must be enrolled in their home high schools prior to being admitted to Career Center programs.

HOW TO ENROLL

All students enroll for CTE programs at the Career Center through school counselors. Local counselors can supply detailed information about all programs available.

CREDIT – CERTIFICATE

Credit for CTE courses successfully completed at the Career Center will be awarded by the local high schools. A competency certificate will include a list of the skills the students has mastered, as well as the number of hours completed in the program.

STUDENT SERVICES & PLACEMENT SERVICES & ARTICULATION

The Mecosta-Osceola Career Center offers special services to individuals with specific needs. These services can consist of program modifications, intermediate school specialists, paraprofessionals and other agency personnel when needed. Career counseling services are also available through the Career Center staff.

All students are exposed to job-seeking skills through employability instruction. These skills include tips on finding job leads, filling out applications, resume writing, portfolio maintenance and interview techniques. These services are available to students beyond graduation and into adult career transitions.

Many programs have articulation agreements in place to allow college credits for program participation. Student organizations are available for skill competitions.

CC001A/B/C Allied Health

Grades: 11 - 12

Trimesters: 3

Credits: 3

This is a one-year program that is designed to explore the allied health care field and current technologies. This program is an overview of many different allied health career opportunities. Major components include; anatomy, physiology, medical terminology and professional clinical experience. Therapeutics can be taken as your first year and then proceeding onto Nursing Services. Therapeutics offers hands-on experience with clinical skills, communication skills, Veterinarian career exploration, and massage therapy. Articulation with area colleges is available for those students continuing their education beyond high school with instructor approval.

CC110A/B/C Automotive Technology

Grades: 11 - 12

Trimesters: 3

Credits: 3

The Automotive Technology program is NATEF (National Automotive Technician Education Foundation) certified in Brakes, Electricity/Electronics and Suspension/Steering Systems. This two-year program is currently transitioning to the new NATEF “Maintenance and Light Repair” model which will address all eight area of automotive repair. The program also covers safety, preventative maintenance and business knowledge. Students are prepared to take the State of Michigan Mechanic Certification tests in each area upon completion. Articulation with college programs is available for successful students.

CC410A/B/C CAD/Drafting

Grades: 11 - 12

Trimesters: 3

Credits: 3

The CAD/Drafting Program is a two-year program in technical drafting and computer aided design. The first year of the program consists of the development of basic drafting skills. Students are also exposed to three-dimensional space and rapid prototyping. The second year of the program consists of two options using CAD with emphasis on Mechanical or Architectural design. Students who choose the Mechanical Design pathway will be exposed to designing jigs, fixtures and sheet metal stamping dies for manufacturing. Students who choose the Architectural design pathway will learn the fundamental skills and concepts necessary for architectural planning, designing, and drawing.

CC320A/B/C Construction Technology

Grades: 11 - 12

Trimesters: 3

Credits: 3

Integrated Construction Technology is a two-year classroom and laboratory based program where the content is delivered through lectures, demonstrations and hands-on activities. The program is designed to provide an overview of many areas of construction including; safety, construction mathematics, employability skills, construction tools, equipment, materials, print reading, carpentry, electrical, mechanical, plumbing, masonry, heavy equipment, civil construction, construction careers and business management.

CC510A/B/C Cosmetology

Grade: 12

Trimesters: 3

Credits: 3

The Cosmetology course is a two or three year commitment in order to receive the required 1500 hours of instruction. Students can enroll in the program as a junior or senior in high school and must return after high school graduation to complete the 1500 hour requirement. First year Students concentrate on theory and perform hands-on work on mannequins and each other. Second year Students continue theory and practical work as well as operate the Touch of Class; a salon where Students experience real-life salon situations. Students completing the program may apply to take the Michigan Cosmetology Exam and upon passing the test, they will be licensed as a cosmetologist.

CC610A/B/C Culinary Arts

Grades: 11 - 12

Trimesters: 3

Credits: 3

The Culinary Arts program will provide an extensive study experience in sanitation and safety at the beginning of the first year, then after completing the ServSafe unit, students will operate and manage a model restaurant; "The Starting Place". All students will have an opportunity to work in a wide variety of restaurant positions gaining valuable work experience in career ready practices, customer service, team work, commercial foods and the hospitality industry. At the end of the first year, a student can test for certification in ServSafe. The second year is for a student considering a career in Culinary Arts focusing on management, advanced food preparation, time management and career exploration.

CC160A/B/C Diesel Technology

Grades: 11 – 12

Trimesters: 3

Credits: 3

The Diesel Technology program is NATEF (National Automotive Technicians Education Foundation) certified in two areas of diesel repair; Preventive Maintenance Inspection and Diesel Engine Diagnosis and Repair. This two year program is designed to equip students with entry level skills in the repair and maintenance of medium and heavy duty trucks, heavy equipment and agricultural machinery. Hands-on-training is used to supplement the complete learning experience in Diesel Technology. Safety is a major component of class and is stressed and practiced throughout the year. Additional topics include welding, hydraulic diagnosis and repair, and electrical system repair, ranging from basic to intermediate and will assist the technician in the diagnosis and repair of modern day vehicle control systems. Overall, the Diesel Technology program is an excellent preparation opportunity for those students interested in continuing their education in this rapidly growing and exciting career field.

CC580A/B/C Digital Video Production

Grades: 11- 12

Trimesters: 3

Credits: 3

The Digital Video Production program is a two-year program that prepares students in a career in video production. The course consists of equipment and techniques used in capturing digital video, camera operator, lighting concepts, audio recording and computer software used in the editing process. Scripts, storyboards and cinematographic techniques will be applied throughout the experience. The Digital Video Production program offers students hands-on experience to develop critical skills in today's competitive industry.

CC560A/B/C Graphic Communications

Grades: 11 - 12

Trimesters: 3

Credits: 3

This is a two-year program designed to give students a hands-on overview of the entire graphic and visual communication industry. First year students are exposed to all phases of the industry as they develop skills in producing printed products. Second year students participate in a self-paced study of more advanced graphic processes. This Graphic Communications program is designed to provide hands-on instruction on computer imaging, electronic publishing, graphic layout and design, photography, web design, game design, offset printing, customer service, team work and problem solving.

CC470A/B/C Innovative Engineering

Grades: 11 – 12

Trimesters: 3

Credits: 3

Ever wonder how to build a solar panel, install a wind turbine, or make your own bio fuel? Maybe you have thought of designing and making a new or better existing product? IE teaches eight disciplines including: alternative energies, robotics, machining, plastics, electronics, fluid power, quality control and design. Projects in class have included building award winning alternative energy and hybrid vehicles, install and wire complete solar panels and wind turbine systems on mock house setups. Student design and produce their own product(s), and have been involved in worldwide design projects. Their latest design innovation can be seen on all 2012 WaveSpin Spinning Reels; sold all over the world.

CC760A/B/C Public Safety

Grades: 11 – 12

Trimesters: 3

Credits: 3

The Public Safety program introduces students to job possibilities within the public safety field, such as, Law Enforcement, Fire Science/Firefighting, Emergency Medical Services (EMS) and Court/Corrections Systems. The Law Enforcement curriculum is approved by the Michigan Commission on Law Enforcement Standards (MCOLES). Students will enjoy many “hands on” experiences, physical fitness and wellness training and classroom presentations and lectures based on a variety of career related topics. Self-discipline, leadership skills, and the ability to function as part of a team are enhanced throughout the class. Additional career opportunities include: Emergency Operator or Dispatcher, Emergency Manager, and Homeland Security positions. Qualified second year students may receive instructor recommendation to be eligible for enhanced classroom responsibilities, work based education experiences and cooperative education experiences.

CC860A/B/C Welding

Grades: 11 - 12

Trimesters: 3

Credits: 3

This is a hands-on class that trains students in a number of welding and cutting processes such as, stick, mig, tig, spot, oxy fuel, flux core, brazing, plasma cutting and carbon arc gouging. Fabrication tools used may include: drill press, shears, power shears, benders brakes and CNC based plasma cutters. Students also use metal working processes to fabricate projects. Advanced students may work with CAD programs in the designing of projects. College credit is available through articulated credit with related college programs. Job placement for cooperative education students is also an option.

SEGMENT Q OPTIONS

ALLIED HEALTH AND PUBLIC SAFETY ONLY

Segment Q is a term used by the Office of Career and Technical Education and is applied to a course of study for students that have successfully completed all twelve segments of their Career and Technical Education course.

- ✓ Successful completion of all twelve segments of Allied Health or Public Safety.
- ✓ A “C” or better in all 12 segments.
- ✓ Technical Assessment completed.
- ✓ Instructor Approval

If above criteria met:

Allied Health student completers may choose EMT, Medical Assisting or CNA.

Public Safety student completers may choose Corrections, Fire or EMT.

- **CNA** – Certified Nursing Assistant Certification, Medication Administration (no certification)
- **Corrections** – Corrections Officer State Certification
- **EMT** – Basic Emergency Medical Technician National Certification
- **Fire 1 & 2** – Fire 1 & 2 Certification, Hazardous Materials, Operations and Driver Training (Classroom Portion)
- **Medical Assisting** – NHA Certified Medical Assistant, EKG Technician, and Phlebotomy Technician