Coopersville High School

2022-2023 Course Catalog

The emblem depicted below can be found in the lobby of Coopersville High School. The idea for the design was by Allen G. Robinson and the plaques were created by Robert DeGeus. Tradition is that if someone walks across these tiles they must wash the floor with a toothbrush.

The design tells the philosophy of the school and the four areas of a complete education. Each tile has its own significant meaning.

- The lamp on top is the Lamp of Learning. It portrays that above all Coopersville High School promotes scholarship.
- The State Seal can be found on the left side of the image. It promotes citizenship – both inside and outside of school.
- The Scales of Justice are located on the right side of the emblem. These scales stand for the ethics, morals, and religions found in the students and faculty at Coopersville Senior High School.
- The Laurel Wreath and Discus Thrower on the bottom symbolize sportsmanship, athletics, physical education, and a healthy body upon which all other education is based.
- The large "C" located right in the middle represents Coopersville. It stands for the school pride displayed by our students and community.

By Katie VanHuis and Carrie Schoenborn, Class of 2005

Foreword to Parents & Students

Class selection is a very important function of the educational process in high school. The state graduation requirements are intended to give graduates at least a minimal preparation for post-secondary education, and students are encouraged to explore interest areas and advanced courses to better prepare themselves for the future.

This course description booklet is designed to help students select those courses which are best suited to their interests, abilities, and future plans. Class selections should be made with counselor assistance. A program of study should be developed with each student to meet graduation requirements and student goals.

Our staff has worked to align career options with our curriculum offerings. We hope it will be a benefit to you as you make your course selections for next year. Since we believe education is a cooperative venture, we encourage students and parents to plan together, making choices with a goal in mind.

In addition to normal course selections, programs do exist for students with special interests: Manufacturing Engineering Partnership Program (MEPP), virtual and blended classes, Dual Enrollment, Early College, Senior Internship, Careerline Tech Center, Independent Study, and Articulation. Contact your counselor for details.

A well-rounded high school experience includes involvement in extra-curricular activities, groups, or clubs. Students should take advantage of the various club activities or groups in which they are interested. These opportunities will broaden their experience, as well as create life-long memories.

It is our hope that you will find your high school education rewarding and meaningful for success in life.

Brent Hadden, High School Principal
Amanda Rennells, Assistant Principal
Jean Arteaga, School Counselor
Tara Angus, School Counselor

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The Coopersville Area Public Schools does not discriminate on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, handicap, disability, or limited English proficiency in any of its programs or activities. The following office has been designated to handle inquiries regarding the nondiscrimination policies: Margaret Baker, Assistant Superintendent

COOPERSVILLE HIGH SCHOOL GRADUATION REQUIREMENTS

A student must earn a total of 26 credits to graduate from Coopersville High School. Students must meet all requirements for a diploma prior to the day of graduation in order to participate in the commencement ceremony. Besides meeting all course requirements, students must satisfy all student debts, and serve all disciplinary requirements. Participation in the commencement ceremony is a privilege, not a right.

Content Area	Required Courses	Number of Credits
English	English 9 English 10 English 11 English 12 or AP English Literature	4
Mathematics	Algebra 1 Geometry Algebra 2 1 additional math credit .5 credit of math or math related course must be earned during the final year of high school.	4
Science	Biology Chemistry 1 Physics 1 Either Chemistry 2 or Physics 2 .5 additional science credit elective *May take AP Physics in place of Physics 1 and 2	3
Social Studies	American History World History or AP World History Government (.5) or AP Government Economics (.5)	3
Computers	Computer Elective (.5)	.5
Physical Education & Health	Sports Activity or Fitness (.5) Health (.5)	1
Visual/Performing/ Applied Arts	VPAA options include: All band, choir, art, industrial arts, and theater courses; Broadcasting; Engineering; Natural Resources; Agriscience; Zoology; and Creative Writing	1
World Language	2 credits of the same world language OR 1 credit of world language and Option 1: 1 credit in a CTC program Option 2: 1 additional VPAA credit For students who plan to attend college, it is highly recommended to complete at least two credits of the same world language in high school.	2
Online Learning Experience	Students will develop an Educational Development Plan with their school counselor that will satisfy this requirement.	

Credits: 1 year = 2 semesters = 1 credit; 1 semester = .5 credit
Credit is awarded on a semester basis in January and June. Partial credit is not awarded.

Note: Adjustments may be made to the graduation requirements based on federal, state, and local decisions.

1. Students must be enrolled full-time students and are required to take seven classes and a seminar each semester. No student may graduate in less than four (4) years (8 semesters) regardless of the number of credits.
2. To be promoted to sophomore status, students must earn a minimum of 4 credits. To be promoted to junior status, students must earn a minimum of 10.5 credits. To be promoted to senior status, students must have a minimum of 16.5 credits.
3. If a student is interested in participating in Division I or II college athletics, it is the student's responsibility to obtain Clearinghouse eligibility information and forms.
4. Transfer students must meet all the requirements for graduation that are listed above. In order to receive a Coopersville High School diploma, all students must complete the last two semesters of work at Coopersville High School.
5. A maximum of seven and one half (7.5) credits may be transferred from any community education program. Coopersville High School does not accept G.E.D. test credit or correspondence credit.
6. All graduation requirements must be completed by the end of the calendar year for which the diploma is granted.
7. Grading Criteria: A 4.0 scale is used for figuring grade point average (GPA). Advanced Placement classes use a 5.0 scale. GPA's are figured cumulatively at the end of each semester. Credit (CR) and No Credit (NC) are not calculated into the formula for GPA's.
8. A class can't be counted for more than one graduation requirement. For example: Plant Science can be used as VPAA or science, but not both.
9. For students who complete the Early College Program, the total credits for graduation may be adjusted.
10. Exceptions/waivers only with principal's approval.
11. Students must achieve a valid score on the Michigan state assessment.

PERSONAL CURRICULUM (PC)

"The PC is a process to modify specific credit requirements and/or content expectations based on the individual learning needs of a student. It is designed to serve students who want to accelerate or go beyond the MMC (Michigan Merit Curriculum) requirements and students who need to individualize learning requirements to meet the MMC requirements." For more information: Personal Curriculum: Parent and Educator Guide

Understand your skills, abilities, and interests and where those meet in the world of work.

CAREERS

click on the following links to learn more

Big Future - Careers
Big Future - What are you into
My Next Move
Career One Stop
Occupational Outlook
Michigan Hot Jobs
www.naviance.com (students login through Clever)

ART DEPARTMENT

- *All art classes may be used to satisfy the VPAA requirement.*
- *Graphic Design & Digital Art may count as a computer credit.*
- *Design Drawing may count as a math credit.*
- *All art classes require a fee for art materials.*
- *All art classes are Discipline Based Art Education Courses (DBAE).*

ADVANCED 3D STUDIO for grades 10-12 **.5 credit**
Prerequisite: Ceramics or Sculpture
This semester course will build upon the previous skills learned in the beginning 3D classes. New media and techniques will be explored. This class will challenge students to set personal goals in terms of concept and production.

BASIC ART for grades 9-12 **1 credit**
This yearlong introductory course will introduce students to a wide variety of media, including pencil, paint, computer graphics, clay, and more. It is designed as an exploration study that will allow the student to find his/her personal strengths and preferences to then take higher level classes in a desired media. It is highly recommended that this course be taken as early as possible so that the student is able to continue in the visual arts if so desired. This course is a prerequisite for all other art courses.

CERAMICS for grades 10-12 **.5 credit**
Prerequisite: Basic Art
This semester course is designed to develop students' skills of three-dimensional problem solving and building. Students will work in clay throughout the whole semester and will learn various hand-building techniques, as well as the terminology and history associated with three-dimensional design. Through this course, students are able to focus on technical, historical, aesthetic, cultural and contemporary ideas concerned with ceramics while strengthening and building their own artistic expression.

DESIGN DRAWING for grades 10-12 **.5 credit**
Prerequisite: Basic Art
This semester class will provide an introduction to drawing as it applies to design. Students will build upon basic skills to develop the ability to visually communicate ideas and products with technical skill in regards to design and perspective. Students will build skills with manual drawing tools and practice a variety of accurate drawing techniques.

DIGITAL ART AND ILLUSTRATION for grades 10-12 **.5 credit**
Prerequisite: Basic Art
May be used as a computer credit for VPAA, but not both.
This semester course offers insight into Digital Art and Illustration as a career field. Through this course, students will be introduced to computer design skills using Photoshop. Students will build upon foundational skills in drawing, color theory, composition, and the basic principles & elements of design to create original, effective, and audience-appropriate illustrations using a variety of digital techniques. Art history will be studied in relation to student projects. Emphasis in this class will be placed on developing the student voice and style through the use of digital media. A follow-up course to this would be Graphic Design, but the classes do not need to occur in a particular order.

DRAWING AND PAINTING 1 for grades 10-12 **1 credit**
Prerequisite: Basic Art
This yearlong course focuses on the creation of artwork through drawing and painting methods. Inclusion of materials may include: graphite, acrylic, ink, mixed media, graphitint, charcoal, marker, colored pencil, micron pen, and gouache. Art criticism and evaluation is included within this course to help students learn how to

articulate what they see and what their personal goals are as an artist. This course is recommended for any student interested in developing the visual skills needed for drawing realistically.

DRAWING & PAINTING 2 for grades 11-12 **1 credit**
Prerequisite: Drawing & Painting 1
This yearlong course focuses on the creation of artwork through drawing and painting methods building upon skills and content of Drawing & Painting 1. Inclusion of materials may include: colored pencil, ink, acrylic paint, watercolor, graphite, micron, graphitint, inktense, mixed media, and charcoal. Art criticism and evaluation is included within this course to help students learn how to articulate what they see and what their personal goals are as an artist. This course is recommended for any student interested in developing the visual skills needed for drawing realistically.

GRAPHIC DESIGN for grades 10-12 **.5 credit**
Prerequisite: Basic Art
May be used as a computer credit or VPAA, but not both.
This semester course offers insight into the graphic design career field. Through this course, students will be introduced to computer design skills using computer programs (Photoshop and Illustrator). This foundational course will study image manipulation, digital camera use, graphic design literacy, and basic design principles and elements. Art history, advertising, and publishing will be studied in relation to student projects. Emphasis of this class will be placed on working with real clients and creating. A follow-up course to this would be Digital Art and Illustration, but the classes do not need to occur in a particular order.

PRINTMAKING for grades 10-12 **.5 credit**
Prerequisite: Basic Art
This semester course introduces a range of printmaking techniques including stamps, relief, monoprints, stencil prints, intaglio and screen printing. The coursework will offer insight into how to work with the creation of artwork in a single, multiple, and/or variations of the piece using a variety of processes. Process, experimentation, and creative thinking is stressed along with the development of the finished product.

SCULPTURE for grades 10-12 **.5 credit**
Prerequisite: Basic Art
This semester course is designed to develop students' skills of three-dimensional problem solving and building. Students will work in a variety of sculpting materials including clay, plaster, wood, wire, paper-mache, and fabric. Students will have the opportunity to conduct individual research on sculptors, sculpture directions in art history, art careers, specific media, and techniques that are of particular interest to them. Artwork that will be produced could include mask making, figure sculpture, installation/site specific sculpture, abstract sculpture carving, and large scale work. Students interested in a career in 3-D art fields (industrial design, architecture, interior design, ceramics, special effects, stage design, engineering) would benefit from an introductory three-dimensional sculpting course.

BUSINESS DEPARTMENT

ACCOUNTING 1 for grades 10-12 **.5 credit**
May be used as a math credit.
An excellent introductory course for any student planning a career or college education in the field of business. The class provides an overview of accounting systems for service and retail businesses. Automated accounting will be introduced.

ACCOUNTING 2 for grades 10-12 **.5 credit**
May be used as a math credit.
Prerequisite: Accounting 1
Provides an overview of accounting systems for a corporation.

AG MARKETING & MANAGEMENT for grades 11-12 **.5 credit**
Prerequisite: Agriscience
Designed to introduce students to concepts involved in today's marketing and management techniques in the Agriscience industry. Principles will include data, record keeping and information, decision-making processes, financial analysis, budget, taxes, ag law, and technology.

BUSINESS ETHICS & LAW for grades 11-12 **.5 credit**
This course will provide students with an overview of Business Ethics and Business Law. Students will review and reflect on ethical practices in businesses, including how businesses develop their code of ethics and their social responsibility to the communities they serve. The course will also look at common types of business contracts and rights and privileges of individuals. Students will be able to recognize and differentiate between business ethics and legal issues involving business.

INTRODUCTION TO BUSINESS for grades 9-12 **.5 credit**
May count as a computer credit
Provides an understanding of what businesses do, how they work, the role they play in the world's economy and what impact they have on student's everyday lives. Students will also learn the steps they can take to prepare for success in their future careers. This course is recommended for students pursuing any of the 6 Michigan Career Pathways.

MARKETING for grades 10-12 **.5 credit**
Recommended as a prerequisite: Introduction to Business
This course will provide students an overview of the Principles of Marketing, including how businesses create a marketing plan. Other areas of focus in this course will include understanding consumer behavior, retail management and operation, selling strategies, and supply chain and logistics management.

PERSONAL FINANCE for grade 12 **.5 credit**
Prerequisite: Algebra 2
May be used as a math credit.
A course to teach students how to establish a budget, understand different types of investments, set and achieve financial goals, and understand different types of loans.

COMPUTER DEPARTMENT

One-half (.5) credit in Computers is required for graduation.

COMPUTER APPLICATIONS for grades 9-12 **.5 credit**
This class explores word processing, spreadsheet, presentation software, how to use the internet as a research tool, graphics editing, and various other functions of the computers using Open Source, Gimp, Internet Explorer and any other programs that reside on the school computers. The students will learn the in-depth operation of the programs in order to aid them in the completion of assignments while here at Coopersville High School as well as gaining work-readiness skills.

COMPUTER SCIENCE for ROBOTICS for grades 9-12 **.5 credit**
May count as a computer credit or a science elective credit towards graduation, but not both.
This course involves students designing, building, and ultimately coding robots. The main focus is the FIRST robotics competition. Students would be expected to participate in the two competitions in the spring. Java programming will be the main focus but Arduino and other coding opportunities will be discussed as well.

INTRO TO JAVA for grades 9-12 **.5 credit**
This course briefly reviews java programming basics such as variables, repetition statements, decision statement, arrays, and the creation of basic classes. Students will write classes and receive a solid foundation in object-oriented programming using a certified HS Code program.

MULTIMEDIA for grades 10-12 **.5 credit**
Students will learn how to use multimedia hardware and software. Students will learn how to create sound, video clips, images, and animations using electronic media.

AP COMPUTER SCIENCE PRINCIPLES for grades 11-12 **1 credit**
May be used as a computer credit or elective math credit, but not both.
A full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the internet, bid data, digital privacy and security, and the societal impacts of computing. The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course.

GRAPHIC DESIGN, DIGITAL ART AND ILLUSTRATION, INTRO TO BUSINESS, and all CAD classes may also be used to satisfy the computer credit requirement. These courses may have prerequisites. See the Industrial Technology and Art Departments for details. These art and CAD classes can be used to satisfy either the VPAA requirement or the computer credit, but not both.

ENGLISH DEPARTMENT

Four credits of English are required for graduation. English 9, English 10, and English 11 are required of all students. English 12 or AP English Literature is required during the senior year.

AP LITERATURE/COMPOSITION for grade 12 1 credit
Teacher recommendation required.
Recommended as a prerequisite: Honors English 10 and 11.
It is expected that students who have received a 24+ on the ACT or equivalent SAT score. It is a high, college-level course offering students in-depth knowledge of literary characters and themes. Students will write compositions in response to interpretive exercises to expound on given literary selections; write critical essays that explain poetry; interpret, in discussion, selected novels and complimentary plays; develop and practice procedures for answering objective and subjective test items such as those appearing on the Advanced Placement Exam in English Literature and Composition; complete and evaluate two recommended novels during the summer months; and present orally and visually, through the use of available media, selected poetry**.**

BROADCASTING for grades 10-12 1 credit
Prerequisite: Digital Theatre or instructor permission
Broadcasting is a performance-based class in which students will learn all aspects of producing a daily news program. Prerequisite technical skills are necessary and can be acquired by enrolling in "Digital Theatre." In Broadcasting, students will have the opportunity to develop, shoot, write, edit, and produce a variety of stories that will be aired on the high school's closed-circuit CSPN News.

COLLEGE WRITING for grades 11-12 .5 credit
Aids those students who are planning to attend a college or university to cope with the demands of writing many types of essays and the high writing proficiency expectations at the college level. Students will write several different types of essays in both MLA and APA style, including summary and response, narration, compare/contrast, cause/effect, and a final research paper. Successful completion of English 9 and English 10 is imperative for success in this course.

CREATIVE WRITING for grades 9-12 .5 credit
May be used as a VPAA credit for graduation.
Focuses on a study of various forms of genres and writing. Literary works will serve as models through analysis, application, and imitation. It is a course designed for students who wish to improve their composition skills and become better writers. By-products of the class may include, but are not limited to, the school newspaper, a literary magazine, and hardcover publication/copyright of personal essays. This class may be repeated once, as long as not in the same school year.

ENGLISH 9 for grade 9 1 credit
A class focusing on the content of Common Core Curricula as well as SAT preparatory work. Reading is stressed heavily for freshmen. Writing and the process of analysis is also a focus. Literature in the form of poetry, the short story, Romeo and Juliet, and nonfiction.

ENGLISH 10 for grade 10 1 credit
A general survey of English language communication skills, vocabulary, grammar and mechanics, essay writing, etc. Also, reading comprehension, as well as analyzing and responding to literature will be a strong focus of this course. Independent reading is also required during each semester.

ENGLISH 11 for grade 11 1 credit
Surveys the writings of major British authors, literary themes, and British society, and seeks to instill appreciation of the literature and history of that nation. Focuses on writing, grammar, and vocabulary, as well as SAT preparation.

ENGLISH 12 for grade 12 1 credit
The first semester is a study of English literature, short stories, and current articles from various sources. Included in the literature unit are ***Night*** and ***The Count of Monte Cristo,*** *with additional selections*

added if time allows. Time is spent on vocabulary study and writing about literature. The second semester includes the study of additional short stories and articles as well as the non-fiction reading and research project which includes an annotated bibliography. The senior writing or professional portfolio (which includes Board of Education requirements for graduation from CHS) and several essays will be written during both semesters. Career and college readiness skills are also an integral part of Senior English. Daily independent reading as well as reading outside the classroom are encouraged for success in this class.

HONORS ENGLISH 10 for grade 10 1 credit
Students must be recommended by their 9th grade English teacher and must complete summer reading to continue in the class in the fall.
A continued survey of the English language, including literature, usage, mechanics, writing, vocabulary, and small group discussions. Advanced grammar and vocabulary are combined with an in-depth approach to all areas. Students will be required to read at least two books during the summer.

HONORS ENGLISH 11 for grade 11 1 credit
Students must be recommended by their 10th grade English teacher and must complete summer reading to continue in the class in the fall.
In addition to what is listed for the survey of British literature in English 11, students will practice extensive critical analysis of literature, including both student- and teacher-selected texts of literary merit. Students may be required to read two novels over the summer and one additional independent-study novel per marking period. The list for these books will be determined by the College Board Curriculum.

SAT PREP for grade 11 .5 credit
This course is for college-bound students seeking preparation for the SAT, a standardized test that colleges use for student admission and scholarship awards. Students will revisit English and mathematics curricula, learn what to expect, and develop testing strategies. Additionally, students will enroll in Khan Academy's Official SAT Practice for individualized instruction. Only offered first-semester. This course does ***not count as an English credit*** and is also listed under the Math Department.

SPEECH COMMUNICATIONS for grades 9-12 .5 credit
The ability to effectively communicate verbally is not a skill that can be outsourced. This course will give you an opportunity to practice and hone your verbal communication skills through various speech projects including assigned speeches, interviews, and storytelling. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques.

YEARBOOK for grades 10-12 1 credit
This class is open to ONLY 10th-12th graders with an overall GPA of 3.0 or higher.
Students in this class are responsible for marketing, designing, and producing the high school yearbook, the Zenith. Students will acquire useful and career-oriented skills through their involvement in many aspects of Yearbook publication including journalistic writing techniques, photography, design, layout, salesmanship, accounting, and organizational principles. Writing (with an emphasis on good reporting, gathering accurate information, and presenting clear, creative, and clever ideas) is an instrumental part of the course. Completing an application and providing at least TWO teacher recommendations are required. This class may be repeated with instructor approval. Maximum enrollment in this class is 16 students.

HEALTH/PHYSICAL EDUCATION DEPARTMENT

- All students are required to pass Health and either Sports Activity or Fitness.
- Student may take either Sports Activity or Fitness but not both.
- 9th graders taking Weight Training must have instructor approval.
- Only one PE class may be taken per semester.

HEALTH for grade 10 **.5 credit**
A required class designed to help students adjust to high school by learning about healthy living through various aspects of physical and mental health. Self-awareness, self-management and study skills will be taught. Decision-making skills focusing on behavior, academics, and careers are a component of this class.

FITNESS for grades 9-10 **.5 credit**
This class is for the students who would like to enhance their cardiovascular endurance in a non-competitive environment. Students will participate in a number of activities to improve overall fitness and self-esteem, but at a pace that fits individual ability. May not be taken after completion of Sports Activity.

SPORTS ACTIVITY for grades 9-10 **.5 credit**
A number of team sports and individual sports are offered including basketball, volleyball, softball, flag football, tennis, badminton, etc. Students will be required to complete physical fitness testing. May not be taken after completion of Fitness.

ADVANCED SPORTS ACTIVITY for grades 9-12 **.5 credit**
Prerequisite: Sports Activity or Fitness
Students will participate in tournaments in a variety of team and individual sports. Basketball, flag football, badminton, softball, and tennis are a few of the sports that will be covered. ***This class may be repeated with instructor approval***.

WEIGHT TRAINING for grades 9-12 **.5 credit**
Prerequisite: Sports Activity or Fitness
9th Graders need instructor approval
Designed for the student who is serious about personal health, fitness, and strength development. It will consist of various units in health including nutrition related to building strong muscles, the effect of drugs and rapid weight loss, weight lifting, including circuit training and power lifting, and drills to increase speed and agility. This course will follow a certified health program. ***This class may be repeated with instructor approval.***

INDUSTRIAL TECHNOLOGY DEPARTMENT

- Students interested in careers in the areas of Engineering/Manufacturing and Industrial Technology should enroll in classes in sequential order.
- All Industrial Technology classes may be used to satisfy the VPAA requirement.
- All CAD classes may be used as a computer credit, math credit ***or*** a VPAA credit.
- Metals, Woods, Plastics, and CAD all qualify for various math credit and/or math related experience. Please see the Math Department section for details.
- Students are required to purchase the projects they wish to keep.

CAD 1 for grades 9-12 **1 credit**
(Introduction to Manual and Computer-Aided Drafting)
An introductory and exploratory course that teaches the fundamentals of drafting. Students will learn to interpret and create industrial drawings by using sketching techniques, manual drafting, 2D, and 3D CAD software to create single and multi-view drawings. Students will learn proper sketching techniques, print reading, equipment usage, geometric constructions, and measuring skills. Students will create single-view drawings, multiview drawings, isometric drawings, and architectural drawings (including floor plans, elevation plans, wall sections, and site plans). Students will learn proper view position, sketching, orthographic projection, isometric drawing, geometric constructions, auxiliary views, section views, dimensioning, Geometric Dimensioning and Tolerancing (GD&T), and threads and fasteners. A strong emphasis is placed on print reading, measuring, reading scales, and working with decimals and fractions.

CAD 2 for grades 10-12 **1 credit**
(Parametric Modeling with Solidworks(3D)
Prerequisite: CAD 1
Students will learn to use a parametric computer aided design system to generate 3D parts, assemblies, and detail drawings. This course will be an introduction to the SolidWorks software and will cover the basics of parametric solid modeling. This course will guide you from the creation of basic solid models to building intelligent mechanical designs. This course will assist the student in preparing for the Certified SolidWorks Associate (CSWA) Exam.

CAD 4 for grade 12 **1 credit**
(Advanced Design Techniques in Sheet Metal, Weldments, Surfacing, and Mold Tools)
Prerequisite: CAD 3
Students will learn advanced design techniques in SolidWorks including advanced part modeling using 3D sketches, sweeps, and lofts. Students will also learn design techniques used to create surfaces, sheet metal parts, weldments, and mold tool design. As part of this course, students will also prepare for and take the Certified Solidworks Professional Exam(CSWP) as well as the additional Certified Solidworks Advanced Exams.

CAD 4 for grade 12 **1 credit**
(Introduction to Die Design)
Prerequisite: CAD 3
An advanced course in the basic fundamentals of sheet metal stamping dies. Stamping dies are specialized, precision-made tools designed to perform three distinct types of work on a piece of sheet metal: forming, cutting, or folding. The die draws energy from the press into the workpiece to cut, fold or stretch the sheet metal into the desired form. Students will learn die design terminology, tools of the die designer, types of presses, and types of dies. A sample die will be studied and designed by the student. Catia and Unigraphics NX 3D CAD software will be utilized.

MEPP PREP for grades 11-12 **.5 credit**

This class is a preparatory class for the Manufacturing Engineering Partnership Program (MEPP) but ***is not*** required to enter into the MEPP program. This program is described in more detail in this catalog as well as on our school website. The program gives students the opportunity to interview with manufacturing business partners for a variety of employment opportunities with the potential for tuition reimbursement for college. In the MEPP Prep class students will explore manufacturing and engineering careers and will be introduced to multiple MEPP business partners. Student will be required to tour at least 3 businesses before or after regular school hours and provide their own transportation. Time spent outside of class may be used in exchange of class time. Students will create professional cover letters and resumes and learn interviewing skills. Students will also be introduced to 14 different concepts in Lean techniques.

METALS 1 for grades 9-12 **.5 credit**
(Introduction to Metalworking)
Fee required for materials.

Students will apply metal working technologies by demonstrating proper safety and forming techniques. Students will design, problem solve, and present a metal working project. Students will identify, demonstrate and perform the best forming technique while creating a product. Processes developed will include the following; blueprint reading; arc welding; mig welding; spot welding; plasma cutting; cutting torch; sheet metal working; powder coating; gas brazing; gas puddling; gas filler rod; aluminum foundry work; lathe machining; and foam casting.

METALS 2 for grades 9-12 **.5 credit**
Prerequisite: Metals 1

Students will demonstrate proper machine operation and safety procedures used in a welding and fabrication environment. They will demonstrate the proper techniques used for arc welding, mig welding, tig welding, gas welding and the cutting of metal. They will demonstrate the skills used in sheet metal fabrication including cutting, bending, forming and fastening while creating a product.

METALS 3 for grades 10-12 **.5 credit**
Prerequisite: Metals 2
Fee required for materials.

Students will demonstrate proper machine operation and safety procedures. They will demonstrate proper hand tool operation and precision measuring techniques. They will demonstrate the proper machining operations of various metal working machines including the lathe, milling machine, grinder, drill press, cnc mill, Haas mini mill, and cnc plasma cutter. They will show an understanding of materials used for metal working processes. Students will design, troubleshoot and produce products made by a CNC lathe and mill. Students will continue to build on CNC programming, machine set up and operation of the CNC mill and lathe. Students will write programs, verify on Haas trainers, and produce finished products. Students learn and demonstrate manufacturing techniques used in metals fabrication. Students will also work on individual projects. CAD not required but helpful. This course may be taken more than once.

PLASTICS 1 for grades 9-12 **.5 credit**

Students will build on the concepts of plastics processing, the different types of plastics, the chemical make-up of plastics and apply these concepts while demonstrating different forming processes. They will design, develop, analyze, and troubleshoot in the forming of a plastic product. Plastics will be observed for why they are used and for what application. Students will create, evaluate, and exhibit a product for the MITES competition.

PLASTICS 2 for grades 9-12 **.5 credit**
Prerequisite: C- or better in Plastics 1

This is a one-semester course which may be counted as either a .5 VPAA or .5 Science credit. Advanced techniques in the forming and manufacturing of plastic products. Injection molding, blow molding, thermoforming and extrusion will be emphasized. Students will research, design, develop and produce a finished product. Careers in the plastics industry will be explored along with required hours of job shadowing. Students are required to submit one MITES project.

WOODS 1 for grades 9-12
Introduction to Woodworking **.5 credit**
Fee required for materials.
Recommended proficiencies: basic math skills
This is an introductory and exploratory course that teaches the fundamentals of wood working. Students will demonstrate proper use of basic woodworking hand and power tools and learn basic wood finishing techniques. Students will learn the different varieties of woods used for wood finishing. Each student is required to construct a series of products which will increase skill and knowledge of the various woodworking machines including table saw, joiner, planer, lathe, cnc, and laser engraver.

WOODS 2 for grades 9-12 **.5 credit**
Prerequisite: Woods 1
Fee required for materials.
Students will learn the basic skills related to carpentry while working as a team to complete the same goal. They will demonstrate lean manufacturing techniques, work with skill development, product development (prototyping), marketing, and production. Jigs and fixtures will be designed, built, and used in the manufacturing process/mass production.

WOODS 3 for grades 10-12 **.5 credit**
Prerequisite: Woods 2
Fee required for materials.
Students will learn advanced techniques in shaping, fastening, and finishing related to the furniture and sporting goods industries. Course includes machine maintenance, skill development, safe and accurate set-up and operation of power woodworking equipment and techniques used in the woodworking industry. Students may work on individual products in this area. CAD not required but helpful. This course may be taken more than once.

MATHEMATICS DEPARTMENT

- All high school math classes will be assigned by the math department.
- Four math credits are required for all students. These credits must include Algebra 1, Geometry, and Algebra 2.
- The fourth credit can be earned through any of the mathematics courses listed below, unless otherwise stated. It can also be earned by the list of non-math department classes below, for they contain approved math content.
- Students must take at least 1 semester of math or a math related class their senior year.
- Students will need special permission if they wish to take a class without meeting the prerequisite first.
- Students wishing to take two math classes concurrently need approval from the Math Department.

ALGEBRA 1 for grades 9-10 **1 credit**
The focus of this course is on the study of functional relationships and their uses in solving problems. Organizing data and numerical patterns are also covered. Students will learn to work with quantities that vary and they will learn to express relationships between quantities graphically, symbolically and in other ways. Strong emphasis is given to connecting problem solving to real world experiences.

ALGEBRA 2 for grades 10-11 **1 credit**
Prerequisite: Geometry
Topics include linear functions, quadratics, powers, roots and radicals, polynomial functions, systems of equations, probability and statistics, trigonometry, sequences, complex numbers and algorithms. Students will be involved in problem solving approaches in a real world setting.

AP CALCULUS for grade 12 **1 credit**
Prerequisite: B or better in Pre-Calculus
Topics include the limit of a function, the derivative and its application, integration with application, and using calculus to solve real world problems. Course content is designed to prepare students for the Calculus Advanced Placement Test.

AP STATISTICS for grades 11-12 **1 credit**
Prerequisite: B or better in Algebra 2
Topics include descriptive statistics, probability, estimation, hypothesis testing, and linear regression. Course content is designed to prepare students for the Statistics Advanced Placement test.

GEOMETRY for grades 9-10 **1 credit**
Prerequisite: Algebra 1
Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Course topics include reasoning, proof, and geometric drawings and analysis through congruence, similarity, transformations, and three-dimensional solids.

PERSONAL FINANCE for grade 12 **.5 credit**
Prerequisite: Algebra 2
A course to teach students how to establish a budget, understand different types of investments, set and achieve financial goals, and understand different types of loans.

PRE-CALCULUS for grades 11-12 **1 credit**
Prerequisite: B or better in Algebra 2
Designed to prepare students for the study of college-level mathematics including a future study of calculus. Content includes: trigonometric applications, the polar coordinate system, the conic sections, statistics, discrete mathematics, matrices, mathematical induction, and limits.

SAT PREP for grade 11 **.5 credit**
This course is for college-bound students seeking preparation for the SAT, a standardized test that colleges use for student admission and scholarship awards. Students will revisit English and mathematics curricula, learn what to expect, and develop testing strategies. Additionally, students will enroll in Khan Academy's Official SAT Practice for individualized instruction. Only offered first semester. This course ***does not count as a math credit*** and is also listed under the English Department.

STATISTICS for grade 12 **.5 credit**
Prerequisite: Algebra 2
A one-semester course that uses data from sports to enable students to grasp important concepts in statistics. Topics include descriptive statistics, probability, estimation, hypothesis testing, and linear regression.

Non-Math department classes that earn math credit:
AP Computer Science Principles (1.0 credit)
Accounting 1 & 2 (.5 credit each)
Agricultural Business (.5 credit)
Tech Center Math (must pass all three trimesters)
Mathematics of Baseball (online) (.5 credit)
AP Chemistry (1.0)
AP Physics (1.0)
CAD 1, 2, 3, or 4 (1.0 each)
Design Drawing (for students pursuing an art degree)
Metals (3 semesters)
Woods (3 semesters)

*If an incoming senior has already satisfied the requirements for the four credits of math, the State of Michigan Department of Education requirement is that they must still take at least 1 semester of math (0.5 credits) or a math related class during their senior year.

PERFORMING ARTS DEPARTMENT

- Attendance is required at all scheduled performances unless excused prior to performance in accordance with Board policy.
- All of the performing arts classes may be used to satisfy the VPAA requirement.
- The High School Concert Bands routinely travel as part of their music education experience. This include events such as festival evaluations, district and state MSBOA events, community events and honors band opportunities. We are also on a rotating band trip schedule with major trips every 4 years and mini trips every 2.
- Fee required for program and uniform accessories. If financial help is needed, see the Bronco Heartship Fund at coopersvillebands.org under Band Boosters. No student will be denied participation because of financial concerns.
- More information on the bands and band boosters including several FAQ's can be found at coopersvillebands.org

HIGH SCHOOL BAND for grades 9-12 **1 credit**

- **The Bronco Marching Band** consists of all the students in the band program. Performances include all home football games, parades, community performances, invitationals and marching festivals. The marching band meets as an ensemble through the football season and then transitions into the concert band. All students will be in the Bronco Marching Band for first semester. The class splits after the marching season into Symphonic Band and Wind Ensemble Band.
- **Symphonic Band** consists of a large band with several players on a part. The Symphonic band performs quality band literature and focuses on many musical styles. Performances include concerts, festivals and community events.
- **Wind Ensemble** consists a smaller band with only 1 or 2 players on a part. The Wind Ensemble performs advanced band literature and focuses on many musical styles. Performances include concerts, festivals and community events. This is an auditioned group.
- **The Pep Band** will be formed to perform at basketball games and performs lively music to excite the team and spectators. Members of the pep band are already members of the concert/marching bands. This band does not meet during the school day.

JAZZ BAND (Zero Hour) for grades 9-12 **1 credit**

The Jazz Band is an independent class from the concert bands. The Jazz Band focuses on the uniquely American genre known a Jazz. The Jazz Band consists of Saxophones, Trombones, Trumpets and Rhythm Section (keyboard, bass, guitar, drum set). It is preferred that students in Jazz Band are members of the concert band, however auditions will take place for any CHS students to fill available positions. Auditions will take place in the spring of the preceding school year. Interested students should contact the band director. Jazz Band meets on Tuesday, Wednesday and Friday from 6:30am-7:10am. Attendance is required and individual transportation is needed.

BELLA VOCE for grades 9-12 **1 credit**

Audition or teacher recommendation required.

Group development of the singing technique of the teenage female voice in a performance medium will be taught. Bella Voce is offered the full year and is an advanced women's ensemble. A uniform will need to be purchased.

CONCERT CHOIR for grades 9-12 **.5 or 1 credit**

Group development of the singing technique of the teenage voice in a performance medium will be taught. This class may be taken both semesters. Required performances are a part of the class work and as such are a part of the class grade.

MEN'S CHOIR for grades 9-12 **.5 credit**
Audition or teacher recommendation required.
Group development of the singing technique of the teenage male voice in a performance medium will be taught. Offered first semester only.

SHOW CHOIR for grades 10-12 **1 credit**
Audition required.
This advanced choral ensemble will be a small, select group of individuals, sophomore and above, that will perform with both song and dance at festivals, concerts, and community and school events. Repertoire will be focused on advanced styles of choral music. Please note that any costumes required for performing will be purchased at the cost of the student.

VIDEO PRODUCTION for grades 9-12 **.5 credit**
Students gain hands-on experience by writing, directing, and editing their own digital projects. The course is designed to give each student an overview of the many aspects of the motion picture industry, including writing, producing, directing, lighting, shooting, sound recording, and editing. This is achieved partially through lecture time, partially through critiquing the work of other filmmakers including fellow classmates, and partially through hands-on production. Through this process, they not only gain a valuable and marketable skill, but will have strengthened their thinking skills by learning to think abstractly and conceptually. Maximum enrollment in this class may be limited by the availability of technology.

TECH THEATRE & DESIGN for grades 9-12 **.5 credit**
This class is a hands-on introduction to the technical and design world of theatre. Course content will cover set, sound, light and video design along with the technical requirements needed to implement the covered design areas. As part of the class requirement, students will learn through experience by participating as crew for a few events and activities that take place in the school's theatre.

THEATRE 1 for grades 9-12 **.5 credit**
This class is an introduction to theatre through various exercises, games and activities. Students will learn about improv, character development, stage presence, audition techniques, script analysis along with performing monologues and scenes. Students interested in taking this course can expect to leave the class with a basic knowledge of theatre but more importantly a better sense and comfort of presenting themselves in front of others including job interview situations and class projects.

THEATRE 2 for grades 9-12 **.5 credit**
Prerequisite: Theatre 1
This class is a performance based class with emphasis on taking a piece from page to stage. Students interested in this course can expect to leave the class with a deep knowledge of the process of bringing a play to the stage. ***This class may be repeated with instructor approval.***

SCIENCE/AGRISCIENCE DEPARTMENT

AGRICULTURAL BUSINESS for grades 11-12 **.5 credit**
Prerequisites: 4 semesters (2.0 credits) total from Agricultural, Animal or Plant Science
May count as a science, a VPAA or a math elective but not more than one.
Agricultural Business is a one semester course that is open to AFNR program completers (students who have passed 2.0 credits of AFNR courses). This course introduces students to business management in agriculture, food and natural resources industries. This course will also give students a hands-on learning experience in starting their own business, writing a business plan, understanding financial documents and risk management. Students will continue to learn about and be an active member of the National FFA Organization. This class may be repeated with instructor approval.

AGRICULTURAL INTERNSHIP – Onsite for grades 11-12 **.5 credit**
Prerequisites: C+ or better in Agricultural Science, Animal Science, and Plant Science
This course is one semester and is open to agriscience program completers (students who have passed 2.0 credits of AFNR courses with a C+ or better). Students will be working independently to complete various projects at Coopersville High School under the supervision of the agriscience teacher and FFA advisor. Students will be required to complete an entrance and exit interview, in addition to creating a resume. Students will also be encouraged to use this time to prepare for additional agriculture career certifications, FFA activities and contests, prepare and maintain SAE records, and complete various applications and awards. Students who enroll will also continue to learn about and be able to become active members of the National FFA Organization. Students are allowed to take an Agricultural Internship more than once if they pass with an 80% or higher.

AGRICULTURAL SCIENCE for grades 9-12 **1 credit**
May be taken instead of Biology for a graduation requirement or as a science elective.
Agricultural Science engages students in learning about the agriculture, food and natural resources industry through a biological lens. Students will learn about safety, agricultural ecology, animal and plant cells, animal and plant reproduction, as well as plant and animal genetics in a hands-on learning environment. Major projects may include the production of crops in a greenhouse setting and production of market animals. Students will also participate in various leadership contests and career developments events . Students will also learn about and be able to become active members of the National FFA Organization when enrolling in this course. If spaces for this class are limited, active FFA members will receive first priority.

ANATOMY & PHYSIOLOGY for grades 11-12 **1 credit**
Prerequisite: Have taken Biology and Chemistry 1 (can be taken concurrently)
Provides a detailed study of the structure and function of the human body including defects and diseases. Laboratory work includes, but it not limited to: cellular studies, animal dissection, physiological studies, histology, osteology. Anatomy and Physiology is recommended for the student interested in the medical field or anyone with a strong interest in biological sciences.

ANIMAL SCIENCE for grades 10-12 **.5 credit**
May count as a VPAA or a science elective towards graduation, but not both.
Prerequisites: Agricultural Science **or** Biology. *Agricultural Science Recommended.*
Animal Science is a one semester course that continues students' participation in learning about the agriculture, food and natural resources industry with an emphasis on animal science. Students will learn about safety, animal anatomy and physiology, domestic animal production, and animal health and nutrition in a hands-on learning environment. Major projects may include the production of swine, cattle, sheep, and goats and may require students to spend time outside of school completing chores. Students will also participate. Students will also learn about and be able to become active members of the National FFA Organization when enrolling in this course. If spaces for this class are limited, active FFA members will receive first priority.

BIOLOGY for grade 9 **1 credit**
Lab science course. Topics included are cell biology, genetics, botany, microbiology, invertebrates, and humans. Some project work, readings, and dissections are required.

AP BIOLOGY for grades 11-12 **1 credit**
Will be offered in even years: 2020, 2022, 2024
Equivalent to an introductory college biology course being taught at the secondary level. This course is designed specifically for those students who are preparing for advanced work in biology or other sciences upon entering college. The topics covered include organisms and populations, molecules and cells, and ecology and evolution. A student that passes AP Biology should have the skills necessary to deal with the ever-changing world of biology. Course content is designed to prepare students for the AP Biology exam. ***Offered in even years only***.

CHEMISTRY 1 for grades 10-12 **.5 credit**
Topics include matter, behavior of gases, atomic structure, the periodic table, chemical nomenclature, and the basics of chemical reactions. Students will gain a basic understanding of how chemistry impacts their daily lives, basic chemical safety, and uses of chemistry in the community. Chemistry 1 is required for graduation.

CHEMISTRY 2 for grades 10-12 **.5 credit**
Prerequisite: Chemistry 1
Recommended for students who want to be prepared for college chemistry. Topics include a more in-depth discussion of chemical reactions, stoichiometry, chemical bonding, and acids/base chemistry. Other advanced topics will be included. Students must take ***either*** Chemistry 2 ***or*** Physics 2 for graduation.

AP CHEMISTRY for grades 11-12 **1 credit**
Prerequisite: B or better in Chemistry 1 and Chemistry 2
Will be offered in odd years: 2021, 2023, 2025
May be used as an elective science or elective math credit, but not both.
This course is equivalent to a college level general chemistry course. This course is designed around the six big ideas established by the AP College Board in order to prepare students for the AP Chemistry Examination. The class will contain at least 16 labs, many of which will be inquiry based. A student that passes AP Chemistry will be very well prepared for college level chemistry, and may earn college credit based on his/her score on the AP Chemistry Examination. **Offered in odd years only.**

Computer Science for Robotics for grades 9-12 **.5 credit**
May count as a computer credit or a science elective credit towards graduation, but not both.
This course involves students designing, building, and ultimately coding robots. The main focus is the FIRST robotics competition. Students would be expected to participate in the two competitions in the spring. Java programming will be the main focus but Arduino and other coding opportunities will be discussed as well.

ENGINEERING 1 for grades 11-12 **.5 credit**
Prerequisite: Geometry
This is only an elective class and may not be used as a required science elective credit.
An advanced hands-on, problem solving course where students will use cooperative learning, team functioning, and the scientific method to solve various problems. A student taking this course should have a strong interest in engineering, science, computers, math, and technology.

ENGINEERING 2 for grades 11-12 **.5 credit**
Prerequisite: Engineering 1
This is only an elective class and may not be used as a required science elective credit.
A hands-on, problem solving course where students will use cooperative learning, team functioning, and scientific methods to solve various problems relating to the Electrathon competition, or other various competitions. The student taking this class needs to be able to work independently and be highly motivated. This course does not count as a science credit for graduation purposes.

FORENSIC SCIENCE for grades 9-12 **.5 credit**
This course teaches students about the evaluation of forensic evidence. These types of evidence include DNA, crime scene analysis, fingerprints, bloodstains, etc. The class also aims to help students evaluate possible career paths in the field of forensics.

PHYSICS 1 for grades 10-12 **.5 credit**
Prerequisite: Algebra 1
An in-depth study of motion (straight and circular) and dynamics.

PHYSICS 2 for grades 10-12 **.5 credit**
Prerequisite: Physics 1
This course studies light, sound, heat, electromagnetism, electricity, electronics, gravitational and mechanical energy, and nuclear topics. Students must take ***either*** Chemistry 2 ***or*** Physics 2 for graduation.

AP PHYSICS 1 for grades 10-12 **1 credit**
Prerequisite: Can be taken concurrently with Algebra 2. Must have strong math skills. May be used as either an elective math or science credit, but not both.
AP Physics 1 is the equivalent of a two-semester introductory college-level course and may be used to satisfy the Physics 1/Physics 2 graduation requirement. Successful completion of this course prepares students for the AP Physics 1 Exam. This course covers three major curricular areas: Newtonian mechanics, waves, and electricity. AP Physics 1B requires a serious commitment from students. This class will be conducted primarily through inquiry based laboratory experiments and problem solving activities, reinforced with class discussion. Students should be prepared to devote a significant amount of time to working on problem sets and writing lab reports.

AP PHYSICS 2 for grades 10-12 **1 credit**
Prerequisite: AP Physics 1 and Algebra 2.
AP Physics 2 is the equivalent of a two-semester introductory college-level course. Successful completion of this course prepares students for the AP Physics 2 Exam. This course covers six major curricular areas: thermodynamics, fluid mechanics, electrostatic fields, electromagnetism, optics, and modern physics. AP Physics 2 requires a serious commitment from students. This class will be conducted primarily through inquiry based laboratory experiments and problem solving activities, reinforced with class discussion. Students should be prepared to devote a significant amount of time to working on problem sets and writing lab reports.

PLANT SCIENCE for grades 10-12 **.5 credit**
May count as a VPAA or a science elective towards graduation, but not both.
Prerequisites: Agricultural Science **or** Biology. *Agricultural Science Recommended.*
Plant Science is a one semester course that continues students' participation in learning about the agriculture, food and natural resources industry with an emphasis on plant science. Students will engage in hands-on labs to learn more about safety, soil science, plant nutrition, and plant anatomy and physiology, basic agronomy and floriculture. Major projects may include hydroponics and poinsettia propagation. Students who enroll will also continue to learn about and be able to become active members of the National FFA Organization. If spaces for this class are limited, active FFA members will receive first priority.

PLASTICS 2 for grades 9-12 **.5 credit**
Prerequisite: C- or better in Plastics 1
May be used as either a VPAA or science elective credit, but not both.
Advanced techniques in the forming and manufacturing of plastic products. Injection molding, blow molding, thermoforming and extrusion will be emphasized. Students will research, design, develop and produce a finished product. Careers in the plastics industry will be explored along with required hours of job shadowing. Students are required to submit one MITES project.

SOCIAL SCIENCE DEPARTMENT

Three credits are required for graduation: American History, World History, Government and Economics.

AMERICAN HISTORY for grade 9 **1 credit**
Traces our American heritage from post-Civil War to present day. Historical events will be continually related to present day America with greatest emphasis placed upon 20th century history. The course will provide students with the basic everyday knowledge that will help them better understand their national heritage.

AP AMERICAN HISTORY for grades 11-12 **1 credit**
Prerequisite: B- average in Social Studies and English.
A comprehensive, highly accelerated, survey course covering North American and United States history from discovery to the present. It is designed for avid students of American History and those interested in gaining college credit.

AP US GOVERNMENT & POLITICS for grades 11-12 **1 credit**
Prerequisite: B- average in History and English classes. AP World History and Honors English 10 preferred.
This course will give students an analytical perspective on government and politics in the United States. AP Government & Politics includes both the study of general concepts used to interpret US policies and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. The goals of this course are twofold: one, to provide students with the framework to score at least a 3 on the AP Government and Politics test in May and two, helping students to become informed, active and critical voters and participants in the political process for the rest of their lives. This is a 2 semester class; one semester will cover the Government requirement and the other counts as a Social Studies elective.

AP WORLD HISTORY for grades 10-12 **1 credit**
Prerequisite: B- or better in American History or instructor approval.
Can be taken IN PLACE OF regular World History.
In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians; analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

CURRENT ISSUES for grades 11-12 **.5 credit**
Provides the student with a better understanding of the events that are taking place. Students will have an opportunity to work with current events, applying to these the various tools of analysis that will lead to in-depth understanding. The students will have an opportunity to form and state their opinions, bring in their own values and ideals and compare them with those of other people.

ECONOMICS for grades 11-12 **.5 credit**
Emphasizes fundamental and microeconomic concepts. Students will gain knowledge in the areas of production, distribution, and consumption of goods and services.

INTRODUCTION TO TEACHING for grade 12 **.5 credit**
Student must have demonstrated an interest in teaching.
This class is designed for students interested in entering the teaching profession. The first nine weeks will be a general overview of education topics, including special education, learning approaches, discipline tactics, and teaching styles. The second nine weeks will be spent in the day-to-day process of teaching, including preparation/teaching of a lesson and receiving a grade.

PSYCHOLOGY for grades 11-12 **.5 credit**
Emphasizes self-understanding and human behavior. It covers biology and behavior, perception, learning and thinking, intelligence, consciousness as well as abnormal behavior. The major psychological approaches: psychodynamic, humanistic, cognitive, behaviorist, and sociocultural are also introduced. Recommended for students who have strong social science skills and are planning to attend college.

SOCIOLOGY for grades 11-12 **.5 credit**

Studies basic sociological understanding of human behavior, human societies, individuals and organizations of groups are analyzed. Topics covered include several contemporary social problems for example: cultures, inequality, poverty, gender issues, violence in media, etc.

US GOVERNMENT for grades 11-12 **.5 credit**

Examines our governmental system and the way in which people politically participate in it. Students will have an opportunity to study the various aspects of political behavior and the foundations of our system of government. The overall goal of the course is to better prepare the students to assume a responsible role in a democratic society.

WORLD HISTORY for grade 10 **1 credit**

Designed to develop an awareness of other people, cultures, and religions. The effects of religion, war, culture and major and current events in relation to world history will be emphasized.

WORLD LANGUAGE DEPARTMENT

World language courses give students an opportunity to learn about other countries and people by studying their language, civilization and culture. In today's world it is more important than ever to learn to communicate with other people in their own language.

SPANISH 1 for grade 9 **1 credit**
Designed for students wishing to explore the Spanish language and cultures of the Spanish-speaking world. Students will begin to develop reading, writing, speaking and listening skills through presentation of vocabulary, grammar structures and discussion of cultural topics.

SPANISH 2 for grades 9-10 **1 credit**
Prerequisite: B- average in Spanish 1 (exceptions may be made at teacher's discretion).
Reinforces the language skills of reading, writing, listening and speaking in Spanish. Grammar and vocabulary will be taught in the context of interesting stories, readings and conversations. Spanish 2 is primarily conducted in the target language.

SPANISH 3 for grades 10-12 **1 credit**
Prerequisite: B- average in Spanish 3 (exceptions may be made at teacher's discretion).
Reinforces the language skills of reading, writing, listening and speaking in Spanish. Communication between teacher and students will be conducted in Spanish.

SPANISH 4 for grades 11-12 **1 credit**
Prerequisite: B- average in Spanish 3 (exceptions may be made at teacher's discretion).
Reinforces the language skills of reading, writing, listening and speaking in Spanish while exploring the history, traditions and cultural icons of various countries. The course will also prepare students to use their Spanish in order to communicate with native Spanish speakers in our community. Communication between teacher and students will be conducted entirely in Spanish.

AP SPANISH for grade 12 **1 credit**
Prerequisite: B- average in Spanish 4 (exceptions may be made at teacher's discretion).
Reinforces the language skills of reading, writing, listening and speaking while exploring the history, traditions and current world events. Communication between teacher and students will be conducted entirely in Spanish. Students will prepare for the AP Spanish exam through essay writing, presentational speaking, informal conversation, reading and listening to authentic sources. Students will be expected to spend about two hours weekly completing coursework outside of class. Summer work will be assigned to further develop proficiency prior to the start of the school year.

Students wishing to learn a world language other than Spanish may take language courses online:
Arabic, American Sign Language, French, Mandarin Chinese, German, Japanese, Latin, Russian
*Others may be available upon request.

TESTING OUT

It is a requirement of the Michigan Merit Curriculum Law, Section 380.1278(a)(4)(c), to allow a student to earn credit if the student earns a qualifying score, as determined by the department, on an assessment developed for a specific subject area. Testing out is free and a student may test out of any required English, math, social studies, or science course. Credits earned under the testing out policy are not figured into the student's GPA, but appear as a "CR" on the transcript.

Students may request to test out of a class that has been failed, a class that is currently in progress, or a class that the student has not yet taken. Only one attempt to test out of a specific class is allowed.
A separate request form must be completed for each class/semester. Tests are designed to be rigorous and will cover material from the entire semester. Students are responsible for contacting the appropriate teacher to obtain preparation information. Students who prepare for the test have a better chance of passing. Note to home school students wishing to transfer credits to Coopersville High School: Beginning in 2009, high school credits can only be earned through the test out process.

Deadlines for returning a completed "Request To Test Out" form to a counselor:

May 1: For June Test Out
May 1: For August Test Out
December 1: For January Test Out

ONLINE/VIRTUAL COURSES

Virtual Learning is a non-traditional method of receiving instruction for courses that are taken via the Internet, or otherwise on a computer. These courses are offered during the school day as a scheduled class period with a certified teacher available and as credit recovery after school, also with an onsite mentor. The vendor and provider of the on-line class will be selected by the school. The requirements for eligibility of an online course are:

1. The student must meet K-12 pupil membership eligibility requirements.
2. The course must be approved by the school board and department from which it is being offered.
3. Students must have access to a computer with the necessary requirements for completion of the course outside of school.
4. Any cost associated with online classes outside of tuition will need to be assumed by the student. Students should look carefully on Michigan Virtual High School for complete information regarding requirements and prerequisites for any class of interest.
5. If the student is to remain a full-time, regular student, no more than two (2) on-line courses may be taken in any one (1) semester.
6. The course may be an elective or a required course for graduation.
7. A request for a specific course may be denied if the student has already earned credit for the same course, lacks the prerequisite, or is of insufficient quality or rigor.

In addition to these requirements, consider the following necessary skills to be an online learner.

- Communicates effectively in writing.
- Checks and responds to emails daily.
- Is highly motivated and challenged by being in charge of his/her own learning.
- Demonstrates problem-solving skills and the ability to work through difficulties.
- Manages time well by prioritizing and establishing a personal schedule.
- Uses a personal computer and the Internet to access information and to communicate.

If a student is interested in enrolling in an online course, please make an appointment to speak with your counselor.

Examples of Courses

American Sign Language
Archeology
Bioethics*
French
Business Ethics
Global Issues
Japanese
Mathematics of Baseball**
Music Appreciation
Native American History
World Religion
Medical Terminology
Forensic Science*
Earth Science
Digital Photography
Game Design
German
Chinese
Latin
Entrepreneurship
Vet Science: The Study of Animals
AP Pyschology
AP Microeconomics
Astronomy*

Other courses are available upon request and approval. Please visit Michigan Virtual High School or see the online coordinator for complete course catalog. In addition to Michigan Virtual offerings, CHS offers courses through Edgenuity as credit recovery only (9th Block program, Summer School program).

Are you interested in playing a sport in college? There are many online courses that are NCAA approved. For a complete list of NCAA courses online, talk to your counselor or the online coordinator.
*May be used as science credit **May be used as a 4th year math credit

SPECIAL PROGRAMS

GUIDELINES AND FORMS

The following classes/programs are available to high school students that qualify. Each program has an application process, rules, regulations and guidelines that must be followed. Make sure you have completed all of the necessary paperwork before adjusting your schedule.

Dual Enrollment
Required: CHS dual enrollment form and verification of enrollment. Must have counselor approval.
Dual Enrollment allows students the opportunity to take college courses while attending high school. Full or partial tuition is paid by the high school, depending on the cost of the college course. CAPS will also cover the cost of books and materials, depending on the amount of state aid remaining after tuition is paid.

Early College
The Early College program provides students the opportunity to earn both a high school diploma from CHS and an associate's degree from Muskegon Community College in 5 years. Students apply in February of their 10th grade year and take both high school and college courses in grades 11, 12, and 13. At least one high school course must be taken each semester during the 13th year. This program, which is free to participants, is designed for students who may be the first in their families to go to college or who need extra support in pursuing post-secondary education. Visit Muskegon Community College Early College Program for more information.

MEPP (Manufacturing Engineering Partnership Program)
This program helps students connect to both full-time skilled trades, engineering and manufacturing related careers after high school and summer experiences before going to college. Partnering companies must have a tuition reimbursement program to have membership. Juniors and seniors may apply to this program. Applications are accepted in December, January and again in April. Interviews are guaranteed. Although it is encouraged, the MEPP Prep course is not a requirement for entering into the MEPP program. For more information, visit the MEPP webpage.

Senior Internship
Required: Application and acceptance into program by coordinator in fall of senior year for semester two placement.
This course allows seniors an opportunity to explore the career pathway in which they are interested and have been preparing to enter after high school. Students will be required to go through an interview process for selection. The experience includes 45 hours spent with an intern sponsor as well as academic requirements to round out a total of 70 hours to receive course credit.

Tech Center
Required: Application and acceptance into program by counselor.

Independent Study
Required: Form completed by the supervising teacher and approved by counselor.
Taking classes not included in the regular curriculum.

Dual Enrollment Guidelines

According to the Postsecondary Enrollment Options Act (1996 PA160), Coopersville Area Public Schools will assist students in paying tuition and fees for dual enrollment courses if all of the conditions listed below are met. Charges covered by CAPS include tuition, mandatory course fees, materials fees (including required textbooks), and registration fees required by the postsecondary institution for enrollment in a course. Transportation fees, parking costs, and activity fees are not eligible charges.

1. Students in grades 9th - 12th may take up to 10 postsecondary courses:
    a. For a student that first dual enrolls in 9th grade – not more than two courses can be taken per year in 9th, 10th, and 11th grade, and not more than four courses in 12th grade.
    b. 10th grade – not more than two courses can be taken in 10th grade, and not more than four courses in 11th and 12th grade.
    c. 11th or 12th grade – not more than six courses can be taken per year, not to exceed 10 courses total.
2. Students must qualify for dual enrollment by earning a minimum qualifying score on one of the required assessments (e.g., SAT, ACT, or ACCUPLACER).
3. Students must be enrolled in at least one high school class. The postsecondary education course or career and technical preparation course may be scheduled to occur outside of the regular school year, if the course is included in the pupil's schedule during the count period, the pupil is registered for the course, and the course has been paid in full.
4. The local school district must not offer the college course(s). 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. If a student has already completed the local school district's course(s), then a similar course may be taken at the postsecondary institution.
5. The local school district must not offer the course in an AP format.
6. The college course cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.

Articulation Agreements

Articulation is a method of granting university-level course credit for learning and skills accomplished as part of secondary school instruction. In short, completion of a high school course with a B or better will be accepted by a college as being equivalent of taking a college course. The student must have successfully completed all outcomes listed for the course. The high school course would be listed on the college transcript as the title of the college course. Check with the individual college for other conditions of agreement.

Coopersville High School	**Davenport University**	
Accounting 1 & Accounting 2	Accounting Foundations	4
American Government	American Government	3
Anatomy and Physiology	Essentials of Anatomy and Physiology	4
Chemistry 1 and 2	Foundations of Chemistry	3
Introduction to Business	Introduction to Business	3
Psychology	Introductions to Psychology	3
Spanish 1 and 2	Introduction to Spanish	3
Spanish 3	Intermediate Spanish	3
World History	Modern World History	3
Coopersville High School	**Grand Rapids Community College**	
CAD 1	EG 110 Industrial Graphics with CAD	3
CAD 2 & 3	DR 150 Introduction to SolidWorks	3
Plastics 1 & 2	MN 220 Basic Plastics Processing	4
Coopersville High School	**Muskegon Community College**	
Welding 1 + 2	W 101 Basic Welding	3
Drafting + CAD 1	CAD 100 Intro to Drafting	3
CAD 1	CAD 110 Intro to CAD	3
CAD 1 + CAD 2	CAD 135 Fundamentals of Industrial Drafting	3
Computer Applications	Bus 179 Keyboarding	1
Coopersville High School	**Michigan State University**	
Completion of State-Approved Agriculture Food & Natural Resources Education Program and a state FFA degree	General university credits	6

Direct Credit

Direct credit classes are high school classes that colleges accept as TRANSFERABLE college credit. Direct credit classes are offered as regular CHS classes that you are attending during your normal school day at CHS. By offering direct credits, students may earn college credit in the class they are already taking or will take. To earn direct credit, you will need to pay a fee to Muskegon Community College (currently $105, but may change in the future), complete a registration form, and complete the class with a B or better to earn college credit.

Classes that may be offered and eligible for direct credit are:

Coopersville High School	Muskegon Community College	Credits
Plastics 2	AMT 129	3
Metals Welding & Fabrication	AMT 129	3
MEPP Prep	AMT 129	3
Woods 2	AMT 129	3
Woods 3	AMT 129	3
Woods 3	AMT 129	3
Metals 3	MT 101A	3
Metals 3	MT 205 NC/CNC	3
Metals 2	W 101	3
CAD 1	CAD 110	3
CAD 3	CAD 110	3
CAD 2	CAD 135A	3
CAD 4	CAD 135A	3
CAD 3	CAD 210	3
CAD 4	CAD 250	3

Ferris State University Concurrent Credit

Concurrent credit classes are CHS classes that also may earn college credit from Ferris State University. Currently the classes that may be eligible for FSU credit are: Pre-Calculus, AP Literature and Mr. Annen's English 12. The cost of concurrent credit classes vary. All supplies/books are included in CHS classes as needed.

Careerline Tech Center

Careerline Tech Center (CTC) provides career education to juniors and seniors in high school and offers the opportunity for students to gain skills and/or prepare for post-secondary education in one of 28 programs. Tech Center classes are free (except for Cosmetology). Programs are offered Monday through Friday and students attend for a half day either in the morning or the afternoon. Interested students and parents can get more information on by visiting the website at www.careerlinetech.org or "like" us on Facebook.

CTC has articulation agreements with area colleges and universities. Those agreements give students the chance to earn college credit while still in high school. Direct college credit may be an option for some students. College options allow students to enroll, while at the Tech Center, as a college student. All work is completed at CTC and is part of the standard curriculum. College credit is earned and placed on a transcript to follow students to the college of their choice upon high school graduation.

While CTC credit generally counts as elective credit, CTC students have the opportunity to receive academic credit (4th year math, 3rd year science, visual/performing arts and an on-line learning experience). These credits may not be available in all programs. Check with your high school counselor.

Careerline Tech Center's programs are organized by pathways, broad groupings of careers that share similar characteristics and whose employment/education requirements call for many common interests, strengths, and competencies.

EXTRACURRICULAR ACTIVITIES
WHY? Getting Active NOW will prepare you for LATER

SCHOOL SPONSORED CLUBS

be nice.
Amanda Rennells Katie Walsh Todd VanHouten
997-3502 997-3408 997-3582
arennells@capsk12.org kwalsh@capsk12.org tvanhouten@capsk12.org
The mission of the be nice group at CHS is to foster a safe environment for all students and staff through educational and cultural opportunities. The group meets regularly to discuss mental health awareness with an emphasis on reaching out to those who need support. The group also focuses on giving back to the local and global community through fundraisers and service projects. Students also participate in the yearly student exchange as well as monthly school-wide activities. Interested students are always welcome!

Environmental Alliance
Kelly Kroft
997-3553
kkroft@capsk12.org
We aim to spread awareness about ways to help and be considerate of the environment. Our group will take an active role in making our community cleaner with volunteering, fundraising and informative events. This club meets 1-3 times a month in Mrs. Kroft's room, B137.

FFA
Samantha Ludlam
997-3534
Sludlam@capsk12.org
FFA is an intracurricular youth organization focused on personal growth, premier leadership, and career success in the context of Agriculture, Food and Natural Resources (AFNR). It is one of the largest youth organizations in the United States today. Students have the chance to travel nationwide, compete in various competitions, and earn thousands of dollars through scholarships and job experiences. Many members will also be able to work on teams, gain organizational and public speaking skills. There is no cost to be an FFA member, although students must enroll in at least one AFNR course per year. Chapter meetings are held once a month, but for a more detailed look at our Program of Activities, please reach out to the advisor or check out our social media.
Facebook: Coopersville FFA Chapter
Instragram: coopersville_ffa

High School Musical
Sara Heacox
997-3577
sheacox@capsk12.org
Participation in this activity is open to any high school student interested. Participation is by audition. Practices are held after school and/or at night Monday through Friday and some Saturdays. Three or four performances are given that are open to the public. Musicals presented are generally well-known Broadway Shows. A participation fee of $10 and costume fee of $15 may be charged to participants. Students auditioning for the show should be interested in acting, singing and dancing. There are also opportunities for students who want to work on the technical aspects of the show or backstage.

National Honor Society
Judd Robertson
997-3544
Jrobertson@capsk12.org
The main purpose of the Coopersville National Honor Society is to provide recognized students with an opportunity to create enthusiasm for scholarship, to stimulate a desire for service, to promote leadership, and to

develop character in the students of Coopersville High School.

SADD (Students Against Destructive Decisions)

Amanda Rennells
997-3502
arennells@capsk12.org

Katie Walsh
997-3408
kwalsh@capsk12.org

SADD is a school-based organization dedicated to addressing the issues of underage drinking, impaired driving, drugs and other destructive decisions. SADD's mission is to provide students with the best prevention and intervention tools possible to deal with serious issues young adults are facing today. Empowerment is SADD's basic principle. The idea of empowerment is to build students' confidence and ability to create changes and manage behavior in a way that results in healthy life choices. SADD promotes a message of "No Use" of alcohol or drugs and encourages students not to participate in activities with destructive consequences.

Science Club

Ryan Schoenborn
997-3548
rschoenborn@capsk12.org

Science club is a year-long club that allows students to get involved in Science, Technology, Engineering, and Math (STEM) activities. These activities include things like dissections, underwater vehicles, 3D printing, RC Racing, and FIRST Robotics. The club meets once a week after school and sporadically as special opportunities arise. There are no fees associated with the club, but there may be fees for specific activities.

Senior Advisory Committee

Heather Sellon
997-3577
sellonh@capsk12.org

The Senior Advisory Committee is a group of six to twelve seniors and the senior class president who serve as a liaison between the senior class at large and the senior class advisor. The group meets monthly or as needed throughout the school year to discuss topics including, but not limited to, graduation announcements, class song, class motto, selection of graduation speakers, homecoming themes and decorations, and the planning of the graduation ceremony. Students are chosen by the senior class advisor and other teachers to serve on the committee. Students with diverse interests and club affiliations are selected so that it is a group representative of the senior class as a whole. Students with a desire to serve on the committee should express interest to the senior class advisor.

High School Play

Sara Heacox
997-3577
sheacox@capsk12.org

Participation in this activity is open to any high school student interested. Participation is by audition. Practices are held after school and/or at night Monday through Thursday and occasional Fridays. Three or four performances are given that are open to the public. A variety of play genres are presented (dramas, comedies, etc.). A participation fee of $10 and/or costume fee of $15 may be charged to participants. Students auditioning for the show should be interested in acting, singing and dancing. There are also opportunities for students who want to work on the technical aspects of the show or backstage.

Student Council

Sara Emerson
997-3551
semerson@capsk12.org

Students apply for Student Council positions every spring. Several members from each grade level are selected/elected. Student Council takes part in charity fundraisers, community service, and leadership training. Members plan events such as dances, dress days, and assemblies.

NON-SCHOOL SPONSORED CLUBS

After School
Jeremy Annen
997-3570
jannen@capsk12.org
An informal club that meets on Wednesdays to have a safe place to just be yourself. Multiple video game platforms, snack options, and board games are available for students to enjoy. It takes place from after school until 3:30 unless otherwise notified.

CAYAC
Kelly Post
997-3140
kpost@capsk12.org
CAYAC stands for the Coopersville Area Youth Advisory Committee and is part of the Coopersville Area Foundation. CAYAC is a philanthropic organization with an aim to improve conditions for youth in the Coopersville, Chester, Marne, Polkton, Wright, and Tallmadge area through grants. Students learn the grant process step by step, and this year gave out $10,000 in grants for area youth programs. This money comes from the interest off the money in the fund. As a result, CAYAC will be able to continue to give grants for years and years as our fund continues to grow. This is the group's legacy to future Coopersville Youth.

Debate Club
Josh Duram
997-3545
jduram@capsk12.org
Do you enjoy debating different topics and arguing from different viewpoints? If so, check out the Debate Club! The Debate Club allows students to research and debate topics that you do not get a chance to debate in class. Topics and teams are chosen by students in the club. The club meets after school on most Tuesdays in Mr. Duram's room.

Diversity Club
Steve Courcy
997-3541
scourcy@capsk12.org
The diversity club is a student-led group whose goal is to promote acceptance and understanding of people from all backgrounds, races, religions, genders, etc... They meet to discuss ways to celebrate the diversity in our district and to promote harmony and understanding for everyone in our community.

Equestrian Team
Betsy Buist
916-8210
This organization is open to students with an interest in equine science and horsemanship. Members compete primarily in the fall at district, regional and state events. Coopersville has been well represented in recent years at various levels of competition. Members will learn the rules of horsemanship and fair play while enjoying their love for horses. We have members who practice events as well as those who assist the team as grooms and trainers. Whether you have a horse to compete with or not, there could be a place for you in our club.

First Priority Club
Tuesday both lunches
First Priority Club is student-initiated and student-led. Students are equipped to live and share the Gospel. Students develop leadership, character, and team-building skills.

FCA – Fellowship of Christian Athletes
Aaron Wood
Awood@capsk12.org
FCA focuses on equipping, enabling, empowering and encouraging student athletes, coaches and adult leaders to impact and influence their campus for Christ.

Fishing Club
Jeremy Annen
997-3570
jannen@capsk12.org
Enjoy fishing? Enjoy time outside? Own some fishing equipment? This a chance to fish in multiple settings throughout the school year from river fishing to lake fishing to ice fishing.

GSA
Caille Wick
997-3584
cwick@capsk12.org
The Coopersville Gay Straight Alliance (GSA) exists to provide an open forum for the sexual and gender minority youth of our community and their allies (SGMA) to discuss and share with one another in a safe, comfortable, student-led environment. It will work to educate both its members and the members of the wider community on the issues faced by SGMA youth, and to combat the presence of intolerance in our society through the promotion of equality, understanding, and acceptance.

Ski Club
Mike Fritz
997-3578
mfritz@capsk12.org
The ski club goes to Caberfae Peaks every other Friday starting the last Friday of December and end the first Friday in March. Students ski from 4:30 pm to 10:00 pm for $8.00. Ski rental is $2.00 and snowboard rental is $8.00. No experience needed.

ATHLETICS

James Cochran, Athletic Director
Jcochran@capsk12.org
997-3523

Lisa Wiltenburg, Athletic Secretary
lwiltenburg@capsk12.org
997-3524

Fall Sports
Boys & Girls Cross Country
Football Sideline Cheer
Football
Volleyball
Girls Golf
Boys Tennis
Boys Soccer
Dance

Winter Sports
Boys & Girls Basketball
Wrestling
Competitive Cheer
Boys & Girls Bowling
Hockey Club
Bowling

Spring Sports
Girls Soccer
Baseball
Softball
Boys & Girls Track
Boys Golf
Girls Tennis