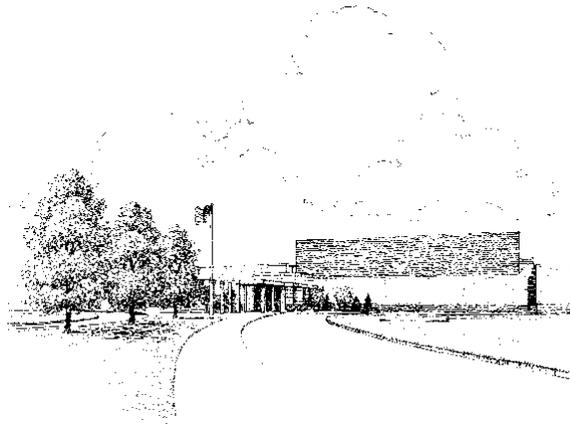




# Charlevoix Middle High School Enrollment Guide



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## ***Enrollment Guide Course Selection***

Charlevoix High School provides a wide range of opportunities for both required and elective courses of interest to students. Subjects are designed to meet the common needs of all students in developing attitudes, ideals and understanding necessary in the formation of a well-educated person.

We believe careful course selection is important. Prior to entering high school, students, parents and guidance personnel create a flexible educational development plan (EDP) consistent with student goals. Annually, students review course selections with parents, teachers, and the counselor to update their educational goals and course selections. Teacher recommendations for specific courses also assist optimum matching of students and courses.

Our semester schedule is designed for all students to be enrolled in six classes. Unless all proper documentation has been completed and approved, this expectation applies to all students, including seniors.

Not all courses are offered every year.

## ***Counseling Office***

Counseling services offer help with decisions for the future, personal concerns, and relations with students and teachers. It is your privilege to talk with the counselor about any matter. Information of a confidential nature related to a counselor during a counseling situation shall not be disclosed without the consent of the student, unless he/she or another person is in danger. If the counselor believes that the students' needs are best served by the involvement of others, permission to discuss the problem will be asked of the student. Respecting the privacy of students is essential in encouraging others who need services to ask for them. Information regarding the following can be acquired from the counseling office:

1. CAREERS – The counseling office maintains up-to-date information on careers and career opportunities for both high school and post-graduate study. Job shadowing and internship experiences are available.
2. COLLEGE – A computer-based college search program plus catalogs and information regarding Michigan and out-of-state colleges and technical schools are available.
3. FINANCIAL AID – Information and assistance for securing financial aid for post-high school education is available from the counseling office. A scholarship database with links to applications is available on the counseling office's website and extensive files are in the counseling office.
4. PERSONAL RELATIONSHIPS AND PROBLEMS – The counselor is trained in helping students deal with relationships with parents, teachers and peers, as well as solving individual problems.
5. TESTING – A testing program is designed to assist both students and the school in maximizing students' educational programs. The results of all tests are available to students and parents.
6. ARMED SERVICES – Information and contacts with armed service recruiters can be secured through the counseling office.

## ***Special Education Services***

Resource rooms are designed to offer students with disabilities a variety of resource materials and support services to enhance their academic learning while progressing through high school. CHS strives to provide the least restrictive environment for all students. To be eligible for these services, a student must be referred through an Individual Education Plan.

<b>Charlevoix High School Graduation Requirements</b>		
	<b>English</b>	<b>4 credits</b>
9 <sup>th</sup>	English 9	1 credit
10 <sup>th</sup>	English 10	1 credit
11 <sup>th</sup>	English 11 or Honors English	1 credit
12 <sup>th</sup>	English 12, English 12 College Class, or AP Literature	1 credit
	<b>Math</b>	<b>4 credits</b>
9 <sup>th</sup>	Algebra 1	1 credit
10 <sup>th</sup>	Geometry	1 credit
11 <sup>th</sup>	Algebra 2	1 credit
12 <sup>th</sup>	Math course or math-related course required in senior year	1 credit
	<b>Science</b>	<b>3 credits</b>
9 <sup>th</sup>	Biology	1 credit
10 <sup>th</sup>	Physical Science	1 credit
11 <sup>th</sup>	Chemistry or Honors Chemistry, or Honors Physics	1 credit
	<b>Social Studies</b>	<b>3 credits</b>
10 <sup>th</sup>	US History or AP U.S. History	1 credit
11 <sup>th</sup>	World History	1 credit
12 <sup>th</sup>	Government/Economics or AP Government	1 credit
9 <sup>th</sup>	<b>Physical Education/Health</b>	<b>1 credit</b>
9 <sup>th</sup> -12 <sup>th</sup>	<b>Spanish</b>	<b>1 or 2* credits</b>
9 <sup>th</sup> -12 <sup>th</sup>	<b>Electives</b> <b>Visual, Fine, Applied Arts (VFA)</b>	<b>5 or 6** credits</b> <b>1 credit</b>
<b>Total Credits Required for Graduation</b>		<b>23 credits</b>

\*Required by select colleges. \*\*If only one Spanish credit.

**Not all courses are offered every year, based upon rotations or student interest.**

	<b>Freshmen</b>	<b>Sophomores</b>	<b>Juniors</b>	<b>Seniors</b>
<b>English</b>	English 9	English 10	English 11 <i>or</i> Honors English	English 12, English 12 College Credit, <i>or</i> AP Composition and Literature
<b>Science</b>	Biology	Physical Science	Chemistry Honors Chemistry Honors Physics	Chemistry Honors Chemistry Honors Physics
<b>Social Studies</b>		U.S. History AP U.S. History	World History	U.S. Government / Economics <i>or</i> A.P. Government and Politics
<b>Math</b>	Algebra 1	Geometry	Algebra 2	Fin. Math, Accounting, Pre-Calc., AP Calc. AP Stats
<b>Foreign Language</b>	Spanish 1	Spanish 2	Spanish 3	Spanish 4
<b>Physical Education</b>	Physical Education and Health	Strength & Conditioning	Strength & Conditioning	Strength & Conditioning

**Career Pathways Course Progression: Students may take and mix courses from any pathway.**

<b>Art and Communication Pathway</b>	Spanish 1	Spanish 2	Spanish 3	Spanish 4
	Intro to Art	Studio Art	Advanced Art	Portfolio
		Mixed Media or Pottery/Sculpture		
	Rayder Band			
	Journalism			
<b>Business and Technology Pathway</b>	Business Applied Technology	Intro to Business		
		Accounting 1	Accounting 2	
<b>Industrial Technology and Engineering Pathway</b>	Machine/Wood Tech			
	CAD/Advanced CAD			
	Construction Technology	Construction Technology 2	Construction Technology 3	
<b>Health Sciences Pathway</b>	Health Sciences 1	Health Sciences 2	Health Sciences 3	
		AP Psychology or Sociology		

# ***COURSE DESCRIPTIONS***

## ***ENGLISH***

### **ENGLISH 9**

**Grade 9**

**1 credit**

English 9 is a course designed to further develop the skills that make up academic literacy. This includes reading through fiction novels and short stories, nonfiction, and the classics; informal and formal writing through narrative, argument, and research papers; speaking and listening through discussion and presentation. The skills augmented are stepping stones to the upper levels of high school English.

### **ENGLISH 10**

**Grade 10**

**1 credit**

*\*(Required grade of B or teacher approval for students who wish to enroll in Honors English)*

This course is a continuation of English 9 and emphasizes grammar, written compositions, vocabulary building and appreciation of literature. Thematic units of study based short stories, poetry, dramas, and novels will be completed. Students will be required to read and think and discuss.

### **ENGLISH 11**

**Grade 11**

**1 credit**

This course is a continuation of English 10 which refines skills in grammar, written compositions, vocabulary building and appreciation of literature. Thematic units of study based short stories, poetry, dramas, and novels will be completed. Independent reading, book reactions and research essays are required.

### **HONORS ENGLISH**

**Grade 11**

**1 credit**

*Prerequisite - successful completion of English 10 with grade of B or higher or teacher approval*

*(Required for students wishing to enroll in AP Literature & Composition during senior year)*

This course is a blend of traditional American literature, contemporary nonfiction, and writing. Students will write in various modes (expository, literary, personal) and enhance their process writing and rhetorical skills. Emphasis will be placed on deepening the use and manipulation of primary and secondary sources. Analysis of literature and composition will focus on technical ways in which authors create meaning. Several major novels will be studied.

### **ENGLISH 12**

**Grade 12**

**1 credit**

English 12 is a composition class focusing on the reading and writing of nonfiction. First semester consists of a series of personal/philosophical essays increasing in complexity over time; the second semester consists of an introduction to argumentative writing, including studies of multimedia texts such as documentary films, news photographs, and advertisements.

### **ENGLISH 12 COLLEGE COURSE**

**Grade 12**

**1 credit**

Students meeting state prerequisites will be enrolled in a version of English 12 (see description above) that also grants concurrent credit through NCMC for ENG 111 and ENG 112 (Composition I & II). Some additional requirements (e.g., additional academic reading, enhanced use and documentation of sources in writing) apply. Students must earn a C (73%) to receive college credit and move to Comp II for second semester, where an additional 3 college credits may be earned.

### **AP COMPOSITION & LITERATURE**

**Grade 12**

**1 credit**

*Prerequisite - successful completion of Honors English with grade of B or higher or teacher approval*  
AP Literature and Composition engages students in the careful reading and critical analysis of complex literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. Literature will provide the basis for

various kinds of composition, including analytical analysis, thematic defense, and compare/contrast observations, plus an in-depth research project.

**SPEECH (VFA)**

**Grades 10-12**

**0.5 credit**

*College Class – Not currently offered*

One elective English credit will be earned, but will not count toward graduation requirements. This course is designed to refine oral communication skills for use in everyday speaking and listening scenarios, to participate in group discussion, and to prepare students for public speaking. Students will learn to research, organize, and evaluate materials and to effectively present a variety of speeches: impromptu, personal experience, demonstrative, informative, story-telling, ceremonial, and persuasive.

**JOURNALISM (VFA) – *previously called Broadcasting and Yearbook.* Grades 9-12**

**1 credit**

Journalism/Broadcasting has combined forces with Yearbook to tell the stories of the school year. Stories range from regular school events to the larger world trends affecting our society, and anything in between. Utilizing video cameras, interviews, music, and editing, students develop “Rayder Stories” which are then added to the yearbook for an interactive experience. Students will learn photography strategies, technical troubleshooting, video editing software skills, journalistic narrative writing, and the management of hard deadlines. Students can repeat this course for credit.

In order to join our Rayder Stories Journalism Crew, 9-12th grade students must be trustworthy as well as capable of independent learning and equal weight collaboration. This includes caring for expensive equipment, attending events outside of class, meeting firm deadlines, working alone, working as a team, speaking with peers, interviewing strangers, and a willingness to take creative risks to elevate our storytelling. Students must get a teacher/admin signature verifying their capacity to be this type of teammate.

## **MATHEMATICS**

**ALGEBRA 1**

**Grade 9**

**1 credit**

This course is a study of the different number systems including rational and irrational numbers and the mathematical properties of each. Major portions of the course deal with solving equations for a variable in linear and quadratic situations. Also included are coordinate graphing, factoring, and exponential functions. This course meets State requirements for Algebra I and serves as a required course for studies in advanced mathematics with applications in the sciences, engineering, business, and more.

**GEOMETRY**

**Grades 9 – 11**

**1 credit**

This course is a study of mathematical reasoning. Postulates and theorems lead to logical reasoning and mathematical proofs (including coordinate proofs). The relationships between lines, angles, triangles, polygons, and circles are studied. Figures are studied in both two and three dimensions. Constructions and transformations are included. Triangle trigonometry is explored in right and non-right triangles.

**ALGEBRA 2**

**Grades 10-12**

**1 credit**

This course is the study of the real number system with an emphasis upon the formal mathematical properties of this system. Students will work with linear, quadratic and higher order polynomials as well as exponential expressions, sentences and functions. Logarithms and trigonometric functions are developed. Complex numbers are introduced. Extensive modeling connects algebra with geometry, probability, and statistics.

**INTEGRATED ALGEBRA 2**

**Grades 11-12**

**1 credit**

Algebra 2 content will be covered, focusing on the main standards found throughout the course. Functions will be examined in multiple ways, building on the concepts from each unit. Students will have time to process and learn mathematical knowledge in real world contexts and situations. Students will also be taught information on trigonometry, statistics, and financial planning content.

**PRE-CALCULUS****Grades 11-12****1 credit**

This course should be taken directly following Algebra II and includes working with right triangle trigonometry and extensive looks into the Law of Sines and Law of Cosines. Circular trigonometry and trigonometric identities are also studied heavily. Polar functions and conic sections are also included. Units on statistics, probability, combinations and permutations are covered. Exponential and logarithmic functions are continued. Modeling of real-life data is explored.

**STATISTICS (not currently offered)****Grades 11-12****1 credit**

Prerequisite - successful completion of Algebra II

This course in statistics and probability will revolve around the following areas: data exploration and study design, probability models and their application, statistical inference, and model assessment. Students will explore data sets to minimize bias and variability and will also develop mathematical models for real world data.

**AP CALCULUS****Grade 12****1 credit**

Prerequisite - Pre-Calculus with a *B* or higher

This course is the study of rates of change (differential calculus) and summing up quantities involving infinitesimals (integral calculus). Formulas and techniques involving derivatives and integrals are studied and applied to various topics such as graphing, areas, volumes and maximum-minimum problems. An intensive review of the algebra and trigonometry needed for success in calculus is included in this course. Calculus is used extensively in all areas of science and engineering and has advanced applications in economics, psychology and statistics.

**AP STATISTICS****Grade 12****1 credit**

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

## **SCIENCES**

**BIOLOGY****Grades 9-10****1 credit**

This is an introductory course in the Biological Sciences. This course will focus on the basic principles of life studying topics such as biochemistry, cellular transport, photosynthesis, respiration, cellular reproduction, ecology and genetics. Students will participate in laboratory investigations, class projects, and whole group discussions. In addition, students will be expected to think and work independently and to apply what they have learned to solve problems in science. Students who achieve an A- or better are eligible to enroll in Honors Chemistry as sophomores and progress to Honors Physics as a junior.

**PHYSICAL SCIENCE****Grades 10-12****1 credit**

Physical Science is an introduction to the study of the earth. The course focuses on the composition and how the earth is constantly changing. How atmosphere interacts with the earth and space science. Students will utilize demonstrations, lab experiences, technology, as well as lecture and discussions, to inquire about how the concepts of matter and energy interact in the world that surrounds them. Students will receive hands-on experience through practical exercises and assignments.

**CHEMISTRY****Grades 11-12****1 credit**

Chemistry will cover topics required by Michigan's Content Expectations, from the anatomy of an atom to the mechanisms of chemical reactions. Students will participate in labs, lectures, demonstrations and projects that provide opportunities to understand relationships between matter and energy. A primary goal is to offer a "new lens" to view the world. Students will come to understand things like the detail of how a fluorescent light bulb works, why salt melts, and why some things are flammable while others are not. Students will become more observant and see, recognize, and understand the chemistry taking place all around them!

**HONORS CHEMISTRY****Grades 10-12****1 credit**

Prerequisites - Students who achieve an A- or better in Biology are eligible to enroll in honors science classes as sophomores if the student has completed Earth Science curriculum before taking the honors class.

Honors Chemistry is designed for college preparation and the student desiring more extensive knowledge of the chemistry concepts that surround us. This course will be college style in format, similar in lab practices, techniques, lectures, reading requirements, homework and personal accountability. This course will equip students with necessary skills required for success in college chemistry, weaving in more responsibility with the goal of gaining more understanding and experience. Topics covered will be Atomic Structure & Periodic Trends, Nomenclature, Formulas and Equations, Stoichiometry, Phases of Matter & Energy, Gas Behavior & Gas Laws, Solutions & Solubility, Oxidation/Reduction Reactions, Acids & Bases, Reactions Rates, Electrochemistry, & Organic Chemistry if time allows.

**HONORS PHYSICS****Grades 10-12****1 credit**

Prerequisites - Students who achieve an A- or better in Biology are eligible to enroll in honors science classes as sophomores if the student has completed Earth Science curriculum before taking the honors class. Also, currently in Alg. 2 or higher and a B+ or better in Geometry.

Physics principles developed by Galileo, Newton, Archimedes, and Einstein are studied in depth using mathematical concepts and experimentation. Engineering projects, problem solving and field trips provide evidence of the usefulness of physics all around us. This course is designed to provide the basic concepts of physics using class experiments, problem-solving sessions and lectures. Individual and group experiments are performed, data recorded, and conclusions are formed. Major topics studied are velocity, acceleration, forces, heat, light, electricity, introductory quantum physics, and relativity. Physics is recommended for students planning careers in science or math-related fields, such as engineering, electronics, aeronautics, computers, medicine, etc.

**ADVANCED BIOLOGY (not currently offered) Grades 11-12****1 credit**

This college preparatory course that will build upon what students learned in Biology. The subject matter covers the broad field of the biological sciences, organized into three major areas: molecular and cellular biology, organismal biology, and population biology. Students will be expected to work in cooperative groups and independently to complete dissections, summaries, and research projects and presentations on assigned topics. Problem solving, critical thinking, and working independently will be stressed. The class will culminate with a camping trip to Pictured Rocks National Lakeshore.

**HUMAN ANATOMY AND PHYSIOLOGY (not currently offered) Grades 11-12****1 credit***College Class*

Human Anatomy and Physiology is an applied course providing an introduction to each body system and common diseases and conditions. This course emphasizes core knowledge of anatomy as it relates to clinical practice. The student will examine knowledge related to fundamental concepts of diseases necessary to understand procedures and techniques commonly encountered in the clinical setting. The systems of the body covered in this course include Integumentary, Skeletal, Muscular, Nervous, and Endocrine, Cardiovascular, Respiratory, Renal, Lymphatic, Gastrointestinal, and Reproductive Systems.

# ***SOCIAL STUDIES***

## **UNITED STATES HISTORY**

**Grade 10**

**1 credit**

This course is a study of major themes in American history from the end of the 19<sup>th</sup> century to the present. Emphasis is placed on the topics of American expansion, economic developments, reform, 20<sup>th</sup> century involvement in world affairs, the changing role of government, and 20<sup>th</sup> century social movements.

## **AP US HISTORY**

**Grades 10-12**

**1 credit**

AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. There are no prerequisites for AP U.S. History. Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

## **WORLD HISTORY**

**Grade 11**

**1 credit**

World History A will cover events from early civilizations (prehistory–1570 CE), regional civilizations (500 CE -1650 CE), to early modern times (1300 CE – 1800 CE). World History B will cover events from the enlightenment and revolutions (1700 CE – 1848 CE), industrialism and a new global age (1800 CE- 1914 CE), and world wars and revolutions (1914 CE – Present). Both trimesters will explore the history, culture, technology, government, economics, and geography of these regions

## **ECONOMICS**

**Grade 12**

**0.5 credits**

This course explores both microeconomic and macroeconomic components of our economy through the eyes of an investor. Units studied include fiscal and monetary policy, debt and deficit, global trade, and investing and personal finance. Students will be expected to put together their own financial game plan that combines their personal goals, a realistic savings and investing plan, and tricks to off-set their spending habits.

## **GOVERNMENT**

**Grade 12**

**0.5 credits**

This course is designed to strengthen students' knowledge of national, state, and local government in America. Students review philosophical foundations, structure, and functions of democratic government in the United States. They broaden their knowledge in legal rights, civic responsibility, political behavior, and practice making reasoned decisions about public policy.

## **AP GOVERNMENT & POLITICS**

**Grades 10-12**

**1 credit**

Prerequisites - department decision based upon previous grades and standardized scores. GPA: sophomore - 3.0, Junior/Senior – 2.5. A recommendation from a previous year teacher is required.

This course teaches students about the various governmental institutions, levels of government, and the rights and responsibilities of citizens in a collegiate type class setting. The course will thoroughly explore our founding and the creation of our Constitution and how it has evolved through the decades. Students are prepared to take the advanced placement examination in the spring of their senior year. Scoring a three or better on this exam will allow the student to test out of an introductory level college course in the same discipline.

## **AP PSYCHOLOGY**

**Grades 10-12**

**0.5 credit**

Prerequisites - GPA: sophomore - 3.0, Junior/Senior – 2.5. A recommendation from a previous year teacher is required.

This course is designed as an overview of psychology. Students will develop an understanding of individual behavior and personality through a study of the major psychological theories. Areas of study will include the

conscious vs. the sub-conscious mind, sensation and perception, emotions, intelligence, and the brain's influence on behavior. Projects and experiments will accompany each area of study.

**SOCIOLOGY** **Grades 11-12** **0.5 credit**

This course is designed as an overview of sociology and its application to our lives. We will study the social values that create norms, drive behaviors, and govern social relationships. Students will test and apply sociological theory through a variety of group projects and experiments which will help to explain human interactions. (Students are encouraged to take sociology CLEP exam to earn college credit).

**LEADERSHIP (VFA)** **Grades 11-12** **1 credit**

Students will be given opportunities to be part of planning and decision making in leadership roles in the school and community. Focus of the study will be on research and fostering quality characteristics of successful leaders. Leadership development will focus on communication, listening, observing, body language, decision making, goal setting and presentations.

## ***PHYSICAL EDUCATION AND HEALTH***

*Physical education classes are limited to one credit per year.*

**PHYSICAL EDUCATION and HEALTH** **Grade 9** **1 credit**

The Physical Education/Health program is designed to promote activities which contribute to the physical fitness and develop an appreciation for games and other physical activities. During the winter months, bowling will be part of the class. Health topics that may be covered are: having friends; understanding sexuality; study skills; coping skills; decision making; protecting oneself and others; handling stress; alcohol and other drugs. Outside resource people are invited to the classroom to bring life experiences and life skills to the students in such areas as cardiopulmonary resuscitation (C.P.R.), Charlevoix Health Department, and others.

**ADVANCED PE (not currently offered)** **Grades 10-12** **1 credit**

Prerequisite - Physical Education and Health

This class offers units that are dependent upon the season of the year. Examples include but are not limited to badminton, golf, lacrosse, volleyball, softball, floor hockey, bowling, flag football, Frisbee golf, Ultimate Frisbee, cross-country skiing. Students will be involved in an athletic and strength training program. Students will be expected to dress each day and actively participate.

**STRENGTH AND CONDITIONING** **Grades 10-12** **1 credit**

Prerequisite – involvement in athletics - **NO EXCEPTIONS. Priority given to juniors and seniors.**

Athletic Training includes a wide variety of exercises, lifts, agilitys, and techniques designed to maximize one's overall total fitness, strength, and agility. Throughout this course, we will cover weightlifting, fitness, and agility topics that will enhance our students understanding of the human body. The student will gain a better understanding of the human musculature and how to target specific areas that will enable them to reach personal goals. Finally, this course will enable athletes to benefit from sport-specific movements allowing each student more functional strength.

## ***FINE ARTS***

**INTRO TO ART (VFA)** **Grades 9-12** **1 credit**

(Art fee required) Students will gain a solid foundation of drawing skills and explore the elements of art as they apply to drawing. Various media will be utilized such as graphite, color pencil, charcoal, pen and ink. Students will maintain a weekly sketchbook during the class. The elements of art will continue to be explored through the study of painting and painting techniques. Media such as pastel, tempera, acrylic and watercolor will be used. A greater understanding of color theory will be stressed as related to color schemes in paintings and designs. Students will maintain a weekly sketchbook during the class.

**STUDIO ART (VFA)** **Grades 10-12** **1 credit**  
Prerequisites - successful completion of Introduction to Art  
(Art fee required) This course provides students with further exploration into fine art production and appreciation. In-depth experiences in drawing and painting will be introduced to refine skills taught previously. Students will work mostly from observation to develop drawing, painting and mixed-media techniques. Experiences in printmaking will be offered as well. Students will learn how to critique works of art and evaluate their own art work. A weekly sketchbook will be maintained during the class.

**ADVANCED ART (VFA)** **Grades 11-12** **1 credit**  
Prerequisites: Studio Art with *B* or higher or with the instructor's approval.  
(Art fee required) This course is for students who have developed a solid foundation in the elements and principles of art and design. Student-artists will focus on in-depth production of art projects in media of personal choice. Student-artists will be encouraged to develop a personal art style and will be expected to clearly communicate intent and reason for design decisions.

**MIXED MEDIA (VFA)** **Grades 11-12** **1 credit**  
This class aims to examine the place of materials in contemporary art practice. Approaches to working with new materials – including but not limited to traditional crafts, fibers, dyes, glass, metals, found objects and photography-- will be explored.

**POTTERY/SCULPTURE (VFA)** **Grades 10-12** **1 credit**  
Prerequisites - successful completion of Intro to Art  
(Art fee required) This class will give the beginning ceramic student the opportunity to explore the world of clay. Students will be taught to build functional and non-functional works of art using pinch, coil, slab, wheel, and combined methods. Students will also explore the basic uses of stains, under glazes and glazes. This course emphasizes artistic expression using three-dimensional media. Students will study form through relief, figurative, assemblage, additive and subtractive methods. Media used may include clay, stone, metal, wood, wire, plaster, and found objects

**SENIOR ART PORTFOLIO (VFA)** **Grade 12** **1 credit**  
Prerequisites: Advanced Art with *B* or higher or instructor's approval  
(Art fee required) This class is designed for students wanting to prepare a professional portfolio of work developed throughout their high school art program. Emphasis will be placed on presentation of work through mounting, matting and framing art. Photographing work (2-D and 3-D) and preparing a digital portfolio will also be covered. Student-artists will be required to assist with installing and removing art exhibits as well as creating community art pieces.

**SYMPHONIC BAND (VFA)** **Grades 9-12** **1 credit**  
Prerequisite – Charlevoix 8th grade instrumental music program with a *C* or higher, previous concert band experience, or teacher approval  
This program includes a survey of the entire scope of band literature, giving students an appreciation of the broad horizons of music (past and present). It presents music theory relevant to goals of high school instrumental students, development of advanced instrumental techniques, participation in public performances and MSBOA festivals and activities. All members are required to attend scheduled rehearsals and performances outside the regular school day. Members are also required to participate in marching band and pep band during appropriate seasons. Students are required to attend the band camp during the week following Venetian festival.

**JAZZ BAND (VFA)****Grades 9-12****Course offered if enough participants***Credit may be awarded based on regular attendance and completed work.*

The Jazz lab meets at Zero Hour (7 AM) during winter and spring trimesters. Jazz Lab will explore the blues, big band, and contemporary idioms through performance of various charts written for the young band level. Students will perform on concerts, jazz festivals and special events. Grades will be assessed according to mastery of content, effort, and special performances. Special instructional emphasis will be placed on: Jazz Theory, Improvisation, Secondary Instruments, Articulation, and Styles.

## ***FOREIGN LANGUAGES***

**SPANISH 1****Grades 9-12****1 credit**

Spanish is the second most spoken language in the United States. Learning Spanish will improve student's chances of getting a job in a wide range of career fields. The class is highly desirable for college admission. Students will also study the many Hispanic cultures. Students are encouraged to speak only Spanish in class.

**SPANISH 2****Grades 10-12****1 credit**

This course is designed to increase Spanish speaking and listening proficiency and to continue the development of reading comprehension. Students will also study Hispanic culture and do a wide variety of language and cultural activities (skits, presentations, etc.). Students are expected to speak only Spanish in class.

**SPANISH 3\*****Grades 11-12****1 credit**

This course offers interested Spanish students an in-depth study of grammar with a focus on reading writing, speaking, listening and culture. It is recommended for college preparatory students.

**SPANISH 4\*****Grades 11-12****1 credit**

The aim of this course is to prepare students to function confidently in a Spanish-speaking environment. It builds upon the knowledge acquired from the three levels, with a main focus on conversation and literature. The students have the opportunity to teach Spanish to the elementary students during the third marking period. Students are expected to speak only Spanish in class. It is recommended for college preparatory students.

**SPANISH 5\*****Grades 11-12****1 credit**

This course will continue to fine-tune students' skills of listening, speaking, reading, and writing while exploring Spain and Latin America. This course also enables students to use previously mastered material on a daily basis as they read and speak about a variety of topics and literature.

\* Juniors and seniors may have an opportunity to travel to Chicago, New York City or overseas.

## ***BUSINESS EDUCATION***

**BUSINESS APPLIED TECHNOLOGY (VFA) Grades 9-12****1 credit**

*It is highly recommended that freshmen taking this course have a B or higher average in 8<sup>th</sup> grade.*

Students will be introduced to various business math topics including calculation of payroll, completion of tax returns, practice various banking transactions and reconciliation, create and modify databases, and prepare a budget. As well as Excel 2010 and Access 2010 will be used. Students will be covering a variety of business and personal communication topics. This will include document composition, formatting, and presenting. Work readiness will also be covered including application skills, resumes and youth employment laws. Word 2010 and PowerPoint 2010 will be used.

**INTRO TO BUSINESS (VFA)** **Grades 10-12** **1 credit**  
*College Class – not currently offered*  
Prerequisite – BAT  
Students will work in a mock business environment as an entrepreneur experiencing many responsibilities a business owner may encounter. Students will make decisions regarding daily operations and assessment of these decisions. Special attention will be given to the marketing and advertising aspects of communication. In addition, students will explore how businesses impact the economy of the United States. Students earning a B or better have the opportunity to earn credit via the college exam.

**FINANCIAL MATH** **Grades 11-12** **1 credit**  
Students will learn how the financial decisions made today impact tomorrow. Students will identify personal goals and develop a strategy to achieve those goals. Topics introduced include: money management, taxation, banking, credit, large purchases, insurance, investments and retirement. Students will also learn the impact on business finances when making situational decisions.

**ACCOUNTING 1** **Grades 10-12** **1 credit**  
Prerequisite – BAT (This course may be used to earn 4<sup>th</sup> math credit by seniors only.)  
Students will interpret information contained in source documents, follow principles of double-entry bookkeeping, journalizing, posting, banking procedures, payroll, post from the special journals to the general and subsidiary ledger accounts, verify the financial statements against the worksheet for accuracy, record and post adjusting and closing entries.

**ACCOUNTING 2** **Grades 11-12** **1 credit**  
Prerequisite – Accounting 1 with *B* or higher (This course may be used to earn 4<sup>th</sup> math credit by seniors only.)  
Demonstrate understanding of departmentalized accounting, apply the various methods of maintaining inventory, determine the uncollectible accounts through the aging of accounts receivable, demonstrate understanding of types of stocks, dividends, declarations and payments, explain the nature of the voucher system

**OFFICE SERVICES (not currently offered)** **Grades 11-12** **1 credit**  
Prerequisite – GPA of 3.0 or higher;  
In this course the student will learn to manage the administrative functions in the electronic office such as handling telephone communications, implementing records management systems, and managing business information. The student will also learn the importance of good working relationships for career success.

## ***DRAFTING AND DESIGN***

**MACHINE/WOODWORKING TECHNOLOGY (VFA)** **Grades 10 – 12** **1 credit**  
This class allows students to creatively work with wood, metal and plastic. Students will learn to use welders, CNC wood routers / Plazma burning tables, milling machines, metal lathes, sheet metal shears / brakes and many other tools. This is an inquiry-based classroom where students will complete projects in order to show their understanding of the objectives. Furthermore, students will learn the basics of layout, measurements, and the importance of many different manufacturing and woodworking methods. Basic tool knowledge is helpful.

**ADVANCED MACHINE/WOODWORKING TECHNOLOGY 2/3** **Grades 10-12** **1 credit**  
(Prerequisite Machine / Woodworking Technology)  
This class builds upon the knowledge and skills learned from Machine/Woodworking Technology. Students will be exposed to advanced applications of all wood and machining equipment. Students will have the option of designing their own projects although they must achieve the class objectives.

**MECHATRONICS (VFA) (not currently offered)      Grades 9-12      1 credit**  
Mechatronics class will bring rudimentary knowledge of 3D designing with AutoCAD Inventor, Building 3D models utilizing the 3D printer and CNC machines, running G/M Code for the CNC machines and game programming, finally creating and programming a robot.

**COMPUTER-AIDED DRAFTING (CAD) (VFA)      Grades 10-12      1 credit**  
This class introduces students to the use of the computer software program, Solidworks, as well as 3D printing. Using Solidworks, students will create 2D and 3D drawings after which they will print their 3D drawings in order to verify the design works. This class will benefit students interested in both architectural and engineering fields, as well as advertising, commercial arts, and sales.

**ADVANCED CAD (VFA)      Grades 10-12      1 credit**  
(Prerequisite - CAD with a C or higher)  
The class builds upon the principles established in CAD. Students will learn more advanced drafting practices such as assemblies, sheet metal folds, and more complex 3D models. Students will utilize our 3D printers in order to refine their sketches and identify errors. Students will also have the opportunity to occasionally work on their own CAD projects.

**CAM (VFA) (not currently offered)      Grades 11-12      1 credit**  
*College Class*  
*Prerequisite - CAD & ADV CAD*  
CAM class will focus on Learning the GibbsCAM software, how to transfer files from a CAD program into GibbsCAM. Setting up tooling and creating pathways in a 3D virtual reality. Posting the final product to the CNC machines and running G/M Code.

## **CONSTRUCTION TECHNOLOGY**

### ***Construction Fees Required***

**CONSTRUCTION TECHNOLOGY 1 (VFA)      Grades 9 – 12      1 credit**  
This course is the boot camp class of the Construction Program. Students in this class will be walked through the process of building a residential home from start to finish. Students will work through one module to the next that will introduce them to the skills and knowledge necessary to be proficient in all aspects of the building trades. Areas covered include careers in construction, lab & site safety hand & power tools, blueprint reading, construction materials, masonry, framing, roofing, siding, electrical, plumbing, drywall, painting, counter tops, and finish work. Students will also learn through a process of class work and labs which is split 50/50.

**CONSTRUCTION TECHNOLOGY (VFA)      Grades 10 – 12      1 credit**  
This course is a hands-on residential building construction class. Students learn the skills necessary for building a conventional home and to be responsible for building a custom designed home from start to finish. Starting in the fall, students develop the knowledge and skills of framing, roofing, painting, and installing windows, doors, siding, insulation, residential wiring, plumbing, drywall, cabinets, counter tops, and trimming. Throughout this building process on school property, students continue to be exposed to new building materials and equipment within the trades. This class works hand-in-hand with area builders and contractors which benefit community and students alike.

**CONSTRUCTION TECHNOLOGY 3 (VFA)      Grades 11 - 12      1 credit**

This class is a continuation of learning knowledge and skills in the residential construction industry. Students are responsible for the construction of our custom-built home and also must estimate materials and cost, order materials and supervise a building crew of Construction Tech 2 students.

## ***HEALTH SCIENCES***

### **HEALTH SCIENCES 1**

**Grades 10-12**

**1 credit**

This two semester class takes place at CHS in order to introduce students to careers in the health field and to prepare them for progression on to Health Sciences 2 at the hospital. Basic concepts important to all aspects of health careers like medical ethics, medical terminology, medical abbreviations, vital signs assessment, emergency procedures, hygiene, body structure and function concepts, safety, asepsis, communication, nutrition, human needs, disabilities, and employability skills are included. This is an academic class requiring focus and commitment.

A subsequent class Health Sciences 2 is offered to interested students who maintain a minimum of a C or higher for each semester of Health Sciences 1.

### **HEALTH SCIENCES 2**

**Grades 11-12**

**1 credit**

Prerequisites: C or higher for each semester of Health Sciences 1

Class scrub shirt (with class insignia), and scrub pants cost \$15.00

TB 2-step test (given by the hospital before any clinical participation is possible)

Hepatitis B 3-step immunization history (Documentation must be provided by parent/guardian prior to clinical participation)

**Must provide your own transportation to and from the hospital**

There will be opportunities to acquire job specific skills in the four major service areas (diagnostic, informational, therapeutic and environmental) that are needed for successful career entry. The anticipated fields of experience are: materials maintenance, dietary, acute care, long-term care, imaging, occupational therapy, physical therapy, dental, medical laboratory, billing, diabetes education, volunteer services, pharmacy, cardio-lab, cardiac rehab, medical records, coding, patient registration, infection prevention, emergency room, information technology, clinical medical assistant.

### **HEALTH SCIENCES 3**

**Grades 12**

**1 credit**

Prerequisite – Health Sciences 2 with B or higher; History of TB 2-step test & Hepatitis B 3-step immunizations

Instruction may take place primarily at the various health care sites and interested students will be assisted in arranging for independent study experiences that may include, but are not limited to: research paper, project, power point, presentation, clinical experience, and in special circumstances work experience.

## ***LEARNING SUPPORT SERVICES***

### **ACADEMIC CENTER**

**Grades 9-12**

**1 credit**

Prerequisite: Permission of the counselor

Available to students who have 50% or more general education classes without special education support or 504 students. Students will receive assistance with assignments, projects, tests and quizzes. Organization of materials, study skills and planning will be modeled to foster independence and responsibility.

### **ACADEMIC SUPPORT**

**Grades 9-12**

**1 credit**

Prerequisite: Students will be placed in this course by the counselor

This course is intended for students that have not earned credit in two or more classes. This class will focus on assignment completion, using daily and weekly assignment tracking of student's progress, as well as student/teacher contacts via email. Study and test taking strategies will be practiced as well.

## ***EARLY COLLEGE OPTIONS***

### **Dual Enrollment**

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

1. Students can qualify for dual enrollment by taking one of the following assessments: PSAT, ACTPLAN, ACT, or MME. The following table shows the complete list of scores that qualify for dual enrollment:

ASSESSMENT	TEST SECTION	CONTENT AREA	MINIMUM DUAL ENROLLMENT QUALIFYING SCORE
ACT	Mathematics	Mathematics	22
	Reading	Reading	22
	Science	Science	23
	English	English	18
PSAT 8/9	Critical Reading	Evidence-Based Reading and Writing	460
	Mathematics	Mathematics	510
PSAT 10	Critical Reading	Evidence-Based Reading and Writing	460
	Mathematics	Mathematics	510
PSAT/NMSQT11**	Critical Reading	Evidence-Based Reading and Writing	460
	Mathematics	Mathematics	510
SAT**	Critical Reading	Evidence-Based Reading and Writing	480
	Mathematics	Mathematics	530

\*\*PSAT 11 and SAT scores are from the new redesigned administrations starting in 2015-2016

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

2. Students must be enrolled in both the school district and postsecondary institution during the local school district's regular academic year and must be enrolled in at least one high school class.
3. The district must not offer the college courses. An exception to this could occur if the local board of education determines that a scheduling conflict exists, which is beyond the student's control.
4. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.
5. Tuition and fees: Charlevoix School District will pay for tuition, registration fee and textbooks up to \$725 per semester. Any costs beyond are to be covered by the student. **If a student fails a course or drops a course beyond the time during which the post-secondary institution will refund the school district, the student is responsible for repaying the school district for the course.**
6. No high school credit will be awarded for college credits earned outside of the dual-enrollment process.
7. Students taking approved dual-enrollment courses must choose whether they are taking the course for college or high school credit. High school credit will be reflected on the high school transcript and be included in the students' G.P.A. If you believe you are eligible for dual enrollment, qualify for tuition and fee support, and wish to participate, contact the Student Services Office.
8. Students must maintain a B- or better to continue to pursue dual enrollment opportunities.

### **Direct Credit**

Direct Credit classes are college courses used for credit at both the high school and college level. Students attend class at their high school. Classes are taught by high school teachers who have been credentialed as college instructors. Grades and credits are recorded on official Baker College transcript as college-level courses. Students are responsible to get their Baker College transcript sent to their college of choice. The cost of tuition and other fees are covered by the local school district so there is no charge to students or parents. Register for these courses when signing up for classes and/or see the counselor for more information.

**Advanced Placement**

AP courses are offered on our campus by our teachers. Students who take these college level courses AND pass the AP Exam in the spring can earn college credit. Students pay their AP Test fees.

***ONLINE LEARNING***

Student access to any time, any place, any pace learning has expanded under a new law in Michigan. Section 21f of Public Act 60 of 2013 allows students to take up to two online courses per academic term (semester), with parental consent.

Courses are offered to students as an online opportunity from approved online providers such as Michigan Virtual, Edmentum, Aventa, etc. Students in this class, work independently on the computer for course credit. Samples of some of the courses offered are:

English/Language Arts 9-12	Chemistry	Economics
Algebra I & II	Physics	US Government
Pre-Calculus	Environmental Science	Career Exploration
Mathematical Models with Applications	Healthy Living	Career Planning Develop.
Financial Math	Lifetime Fitness	Strategies Acad. Success
Life Science	Psychology	Physical Science
Earth Science	Sociology	Intro to Business
Biology	US History I & II	Spanish I, II, & III
Creative Writing	Music Appreciation	Human Services

See counselor for application process; online course catalog for additional course opportunities. Students may also choose courses in the statewide online course catalog maintained by the Michigan Virtual University (MVU) available at <http://micourses.org>. Online courses are offered in the Core Academic areas, as well as some elective courses. Students earn credit by the successful completion of required units and passage of the end-of-course tests. Students may only enroll in online classes with counselor and/or administrative approval.

***CHAR-EM CAREER AND TECHNICAL PROGRAMS***

Visit the Counseling Office for more information and course descriptions.

**Agriscience: Ellsworth**

- ◆ Introduction to agriculture and its related fields

**Automotive: Petoskey & East Jordan**

- ◆ Theory, operation, and repair of engines; brakes and wheels; fuel & electrical systems; transmissions and drive trains

**Business Services and Technology: Charlevoix**

- ◆ Exposure to keyboarding / computer literacy, spreadsheets, database management, accounting, office management support, career preparation, desktop publishing, web design

**Child and Adult Care Services: Petoskey**

- ◆ Integrates basic education concepts with work-oriented tasks in child guidance and development with practical work experiences
- ◆

**Construction / Building Trades / Cabinet Making: Charlevoix**

- ◆ Theories and practical experience in all construction areas from start to finish
- ◆ Blueprint reading, construction layout, operation of power tools, electrical, plumbing

**Drafting and Design Technology: Charlevoix**

- ◆ Fundamentals of drafting and functions of the CAD / CAM system
- ◆ Blueprint reading, computer-aided design, architectural applications, mechanical design, precision measurement, dimensioning techniques

**Food Service / Hospitality and Tourism: Boyne City & Petoskey**

- ◆ Introduction to tourism, lodging, and food service industry including guest / visitor interactions, clerical duties, cash systems, safety & sanitation, restaurant operations

**Graphic Arts / Visual Imaging: Ellsworth or Boyne City**

- ◆ Production of printed material, video equipment operation, using applicable software & hardware, graphic design presentation skills and design, commercial art

**Health Occupations: Charlevoix**

- ◆ Classroom and clinical experiences designed to prepare students with entry level skills as well as preparation for post-secondary training in all medical fields

**Manufacturing Technology: Charlevoix**

- ◆ Areas of electricity/electronics, plastics, computer numerical control, robotics & automation, building work cells for competition, and programmable logic controllers