

CURRICULUM GUIDE

Charlotte High School

2026-2027

School Mission

To create a vibrant school culture in which students and staff are connected with positivity and systems of consistent support where all stakeholders are committed to effective teaching and responsible learning.

The partnership will provide:

- A supportive learning environment where each student's individual needs will be addressed
- Mastery of core curriculum
- Development of abilities and interests
- Respect for human diversity and social responsibility
- Development of self-esteem and ability to adapt to change

Table of Contents

Graduation Requirements 4

Academic Programming 5

Credits and Class Standing 5

Awarding Of Credit 5

Credit Recovery 5

Freshman Academy 5

Distinguished Academic Scholars (DAS) 6

Graduation and Information for Seniors 7

Graduation Ceremony 7

Early Graduation 7

Senior Honors And Grade Point Average 7

Course Selection and Schedule Changes 7

Course Selection 7

Schedule Changes 7

Testing Out Of Courses Timeline 7

Course Descriptions 9

Agriculture 9

Business and Information Technology 10

Computer Science and Engineering 13

English 15

Industrial Arts 18

Mathematics 19

Miscellaneous 21

Future Educators 22

Performing Arts 23

Physical Education and Health 25

Science 27

Social Studies 29

Visual Arts 32

World Language 35

Special Education Department 36

Other Course Options 37

Dual Enrollment 37

Eaton Career Preparation Center 38

Work-Based Learning 39

Project Success 39

Graduation Requirements

To earn a diploma from Charlotte High School, students must satisfy the following requirements:

ENGLISH LANGUAGE ARTS – 4 credits to include:
- English Language Arts 9
- English Language Arts 10
- English Language Arts 11
- English Language Arts 12 and an additional .5 credit of an English elective or AP English*

MATHEMATICS – 4 credits to include:
- Algebra I
- Geometry or Advanced Geometry
- Algebra II or Advanced Algebra II
- Personal Finance (starting with Class of 2028)
- Math-related courses (including a math experience senior year)

SOCIAL STUDIES – 3 credits to include:
- U.S. History & Geography or AP US History*
- World History & Geography or AP European History* or AP World History: Modern*
- Government and Economics or AP Government*

SCIENCE – 3 credits to include:
Biology
Physical Science, Chemistry, Physics, or AP Physics I*
Earth Science

PHYSICAL EDUCATION & HEALTH – 1 credit

WORLD LANGUAGE – 2 credits (7^{th}-12^{th} grade)**
**This requirement may be reduced to 1 credit through the completion of a CTE program or approved additional visual and performing arts courses

VISUAL PERFORMING & APPLIED ARTS – 1 credit
Course Ex: Band, Choir, Drama, Art, Business, Agriculture, Woods, Engineering (9^{th} -12^{th} grades)

ADDITIONAL REQUIREMENTS
- An additional 6 credits to be earned from the selection of electives listed on the following pages.
- Participation in the State of Michigan approved assessment is a requirement for graduation from Charlotte High School.
- Must be enrolled as a full-time student with full-time attendance. Exceptions for full-time attendance must be approved by the principal, or in the case of special education students, by the Special Education Director.
- ON-LINE LEARNING EXPERIENCE - Course or Integrated Learning Experience
  (This requirement is met by use of technology in courses taken in the 6th-12th grade)

Class of 2027: minimum 29.5 credits needed to earn a diploma
Class of 2028: minimum 25.5 credits needed to earn a diploma
Class of 2029 and beyond: minimum 22 credits need to earn a diploma

Course sequencing may be slightly different/adjusted for advanced or credit deficient students to meet their individual academic needs, based on counselor recommendation.

*AP Courses – In order to meet the graduation requirement, the student must complete the entire AP course

Academic Programming

Credits and Class Standing

Awarding Of Credit

Courses completed during the school day will be awarded a letter grade which will be calculated into the students' GPAs. Courses completed outside of the school day will be granted "Credit" or "No Credit" (this could include, but is not limited to, E2020 courses, Michigan Virtual High School courses, college courses, etc.). Courses completed outside of a traditional classroom environment (such as online courses, dual enrollment courses, ERESA vocational courses, correspondence courses, etc.) will not be reported on Skyward Home Family Access. Upon final course completion the grade will be reflected on the high school transcript.

High school courses completed by a student prior to being a 9th grader will be awarded high school credit upon successful completion. If the course is taken at the high school the student will be awarded a letter grade that will go on their high school transcript and will be calculated into their high school GPA. If the course is taken at the middle school the student will receive high school credit, which will be indicated on their high school transcript as "Credit" (CR).

Note: NC factors into GPA as a 0.0 and CR does not factor in.

Credit Recovery

Students who fail classes, and who may not be able to graduate due to lack of credit, may exercise 1 or more of the following options to earn the missing credits. Students will be responsible for all applicable course fees. Students need to see their counselor for additional information or to enroll in any of the following programs:

- Online Classes
- Summer School

Freshman Academy

It is widely recognized that a successful freshman year is imperative to a successful journey through high school. Therefore, Charlotte High School is utilizing a scheduling model that is unique to the incoming freshmen class. Students slotted for Freshman Academy will be placed into groups for US or World Studies (counts for both social studies and English credit requirements), a math class, and Biology. Each group will follow a schedule that best meets their needs to be successful. All groups will cover the standards from the traditional freshmen classes, but students will have the opportunity to complete those standards at an appropriate pace. In addition to coursework related to standards needed to be covered in each class, Freshman Academy students will have more opportunities to participate in activities related to social emotional learning, building soft skills, and PBIS (positive behavioral interventions and supports).

Graduation and Information for Seniors

Graduation Ceremony

Participation in the graduation ceremony is a privilege, not a right. Students must be in good academic and behavior standing to participate in the graduation ceremony. Appropriate dress should be worn to both the Honors Convocation and Graduation Ceremony. The graduation gown must be worn during Honors Convocation and the Graduation Ceremony. Students must meet the requirements listed below.

Any senior student who becomes credit deficient as of the end of Term 3 of their senior year will need to see their counselor to make arrangements to recover the deficient credit. All credits must be completed by the Friday before commencement to take part in the ceremony, unless special permission for emergency situations is granted by the principal.

Students who fail to earn enough credits to graduate will be required to make up the credit deficiency prior to the first day of the following school year following their class's graduation in order to receive a diploma for that year. The diploma will not be released to the student until all graduation requirements have been successfully completed.

Students may not apply more than a total of 3 credits earned outside of the regular school day toward graduation requirements. This includes courses taken in summer school and online courses. Exceptions must be approved by an administrator.

After a student starts high school they are expected to graduate in a 4-year period. If a student is unable to complete their graduation requirements within 4 years and needs to make up more than the 3 credits allowed through the Credit Recovery options noted, counselors and administration will work with the student to chart the best course for completing high school. Options to explore will include a 5th year at Charlotte High School, the G.E.D., Project Success, and/or credit recovery. In most cases it is expected a 5th year student will complete within 1 additional semester.

Early Graduation

Seniors who have completed their graduation requirements by the end of the first semester of their senior year may elect not to attend school during the second semester of their senior year. Approval form with credit audit must be completed with a counselor before the start of the second semester of senior year.

Senior Honors And Grade Point Average

Seniors earning graduation honors must have been in attendance at least 3 semesters at Charlotte High School. This includes students transferring from a public, private, or accredited charter school setting. Home schooled and foreign exchange students must be in full-time attendance at a public, private or accredited charter school for at least 6 semesters to earn graduation honors. The valedictorian and salutatorian must meet the following requirements: Students must have taken at least 3 AP Courses in High School and must have no instances of academic dishonesty. For the purpose of reporting honors status and class rank, final grade point average (GPA) will be determined by the cumulative unweighted GPA at the end of the first semester of the senior year through the class of 2029. For the class of 2030 and beyond, the weighted GPA will be used for this determination. GPA will NOT include summer school, correspondence or after school credit recovery classes. Final transcripts, which are sent to colleges, <u>will</u> include second semester grades.

In an effort to recognize students who achieve exceptional academic accomplishments, Charlotte High School will use the following distinctions for students who have shown significant dedication and high marks in their classes. To be eligible for these distinctions, students must have a cumulative weighted GPA in the ranges below. Additionally, these students must not have any instances of academic dishonesty.

- Seniors who achieve a cumulative GPA of 4.0 or higher will be recognized as *Summa Cum Laude*.
- Seniors who achieve a cumulative GPA of 3.8-3.99 will be recognized as *Magna Cum Laude*.
- Seniors who achieve a cumulative GPA of 3.5-3.79 will be recognized as *Cum Laude*.

Course Selection and Schedule Changes

Course Selection

The schedule is built based on student course requests. These requests are the responsibility of students and parents. Counselors are available for advising on this upon student request. Each year a deadline is set for course selections for the following year. Those requests are final and cannot be changed except for the cases described in the section Schedule Changes below. Please be sure to give due consideration to your choices.

Schedule Changes

Students must adhere to the following guidelines when requesting any schedule changes.
Schedule changes will be allowed for the following reasons:

- Incomplete schedules - no open periods are allowed, all students must have a complete schedule;
- Special scheduling for options such as Links, Work-Based Learning, Independent Study (advisor approval is required); and
- Level change – examples: the student did not pass English 9 and can not go on to English 10; or the student decided to take Advanced Algebra 2 instead of Algebra 2.

All schedule change requests must be submitted to a counselor in writing prior to the start of the semester. Requests that do not meet 1 of the criteria listed above will be considered for exceptional circumstances only. Students will need to check their schedule online using the Skyward app, or check back with a counselor to find out if their schedule has been changed. *Students must attend the classes that appear on their schedule until a schedule change is made in Skyward.*

Testing Out Of Courses

In 1995, the Michigan Legislature passed Public Act 335 which requires that high schools develop alternative options for students to fulfill academic requirements. Section 1270B of the State School Code requires schools to provide an opportunity for high school students to "test out" of any course. The "test out" option does not include those courses in which students are currently enrolled.

In order to "test out", students need to exhibit mastery of the subject matter by attaining a grade of not less than a C+ (77%) on a final exam. The student may be required to demonstrate mastery through basic assessments used in the course such as portfolio, performance, paper, project, or presentation, in addition to or in lieu of, a final exam.

Teachers and counselors are not responsible for tutoring or providing instruction relative to students "testing out" of the course.

Testing Out Schedule

First 2 weeks of May - Fill out online form to request a test out opportunity
By last day of school in June - Receive outline of information and materials (if applicable) to guide your study over the summer
Two weeks before school starts - Come to the school building to take exam and turn in any materials/projects/essays
By first day of school - Find out if you have received the test out credit or not

Specific dates will be set each year based on the school calendar.

Please note that by “testing out” of a course, a student will miss participation in discussions, classroom activities and opportunities to develop the skills which are nurtured by daily contact with the teacher and fellow students. Students may not request to test out of a course for which they are taking at the time of application. The test-out must be completed before the student begins the course.

Course Descriptions

Following are all of the courses CHS offers. Each course includes a homework level. It is recommended that students balance high and low homework classes. Designations are approximate, and as follows:

1 = Daily
2 = Several times a week
3 = Occasional

Please note that all elective courses are not offered every year.

Agriculture

All students in an Agriculture pathway class must become/be a member of Future Farmers of America (FFA).

ZOOLOGY
Grades 9-12 .5 Credit – 18 Weeks
Homework: 3
This course focuses on domestic livestock production, utilizing hands-on learning through the use of labs and the Agriculture Learning Center (Barn). Students will learn about the anatomy, physiology, health and nutrition, genetics and reproduction of our food animal species. Students will have the opportunity to work with different species of production animals including rabbits, chickens, pigs, sheep and goats.

BOTANY
Grades 9-12 .5 Credit – 18 Weeks
Homework: 3
Hands-on class where students learn how to grow, care for, and understand plants. In this course, students explore topics like plant growth, soil, water, insects, diseases, and plant health while working in greenhouses, gardens, and outdoor spaces. Students practice planting, watering, and maintaining plants and learn how plants are used for food, landscaping, and decoration. This class builds practical skills, responsibility, and an appreciation for nature while introducing careers in agriculture, landscaping, floral design, and environmental science.

FLORAL DESIGN
Grades 9-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisite: Botany
This course teaches students the science and art of keeping plants alive indoors, covering identification, light, water, soil, humidity, and pest control, fostering practical skills and confidence in creating green spaces, often with hands-on projects like propagation and growing plants. It combines biology with practical care, helping students understand plant needs, troubleshoot problems, and applying knowledge to various indoor settings. Students will explore color, texture, and design while creating floral arrangements for everyday use and special events like graduation. The course covers flower care, tools and safety, basic design techniques, and simple plant identification. Students will practice teamwork, creativity, and attention to detail while learning skills that can be used for hobbies, school activities, or careers in floral design, event planning, agriculture, horticulture and related fields. Certificate options are available.

LANDSCAPE DESIGN
Grades 9-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisite: Botany with a grade of C or better
This is a hands-on class where students learn how to plan and design outdoor spaces. Students explore how plants, walkways, and outdoor features work together to create beautiful and functional landscapes. The course covers basic design principles, plant selection, simple drawing and planning skills, and how to

care for outdoor spaces. Through projects and outdoor activities, students build creativity, problem-solving skills, and an understanding of the environment. This class is perfect for students who enjoy being outside, designing, and learning skills related to landscaping, agriculture, and environmental careers. Industry certification is available for interested students.

AG ECOLOGY (formerly Advanced Botany & Zoology)
Grades 10-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Botany and Zoology with a grade of C or better
This course offered in the fall will expand on knowledge learned in Botany and Zoology courses. A focus on hands-on learning with plants and animals will allow students to apply many concepts to projects. FFA and Supervised Agricultural Experience projects will be planned and executed by each student.Students will complete an agriculture industry certification and learn about the career opportunities available through the Agriculture, Food and Natural Resources Industries.

AGRIBUSINESS (formerly Leadership in Agriculture)
Grades 10-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Botany and Zoology with a grade of C or better
This course will be offered in the spring and will be an in-depth look at leadership through many activities in FFA, community service, and project based learning. Students will work on planning, promoting and executing leadership activities in a competitive setting such as public speaking, parliamentary procedure, demonstrations, and Job Interview skills. Students will also work with community service activities, filling out applications, and complete Agriculture industry certifications.

VETERINARY SCIENCE
Grades 11-12 .5 Credit - 18 Weeks
Homework: 2
Prerequisites: Botany, Zoology, Ecology, & Agribusiness (grade of C or better in all Agriculture courses)
This course focuses on the knowledge and skills needed to work in the animal science field with a focus on veterinary medicine and animal health. This is a hands-on class that will utilize labs and the Agricultural Learning Center (Barn) for the management of different livestock species, including rabbits, chickens, pigs, goats and sheep. Students will learn how to prepare for careers in animal science, business management, communication skills, veterinary ethics, terminology, identification, safety,how to perform common veterinary procedures and complete an agriculture industry certification.

AG MECHANICS & TECHNOLOGY
Grades 11-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Botany, Zoology, Ecology, & Agribusiness (grade of C or better in all Agriculture courses)
This is a hands-on course exploring agricultural based mechanics in a shop setting. Safe and proper use of equipment will be emphasized. Students will be introduced to basic welding and cutting, residential electric, small engines, plumbing, and wood construction. Tool use and terminology will be covered throughout the semester.

Business and Information Technology

Students will have the opportunity to join Business Professionals of America (BPA) during their Fall semester when enrolled in a Business pathway class. Also, Davenport University and Lansing Community College credits are available for all Business courses with a minimum of a "B" GPA and instructor approval.

BUSINESS FOUNDATIONS (Partner Course=Computer Applications I)
Grades 9-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisites: None

This introductory business course develops student understanding and skills in communications, entrepreneurship, marketing, accounting and finance, graphic and web design, and employability skills. Through the use of activities and projects, students acquire an understanding of the business world. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. College Credit: Opportunity to earn college credit through Davenport University

BUSINESS MANAGEMENT I (Oriole Nest Cafe)
Grades 10-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisites: Business Foundations
Students will learn about the core business management fundamentals and apply the concepts to real-world scenarios. They will study information technology application and data management, operations and quality management, human resources, project management, workplace safety, career and professional development, and retail employment. Students are required to work in the Oriole Nest Café store and gain valuable experience while applying their knowledge of business management in a real environment. Students will explore the various business-related careers and participate in a job shadow experience.

BUSINESS MANAGEMENT II (Oriole Nest Cafe)
Grades 11-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisite: Business Management I
This course expands student understanding of business management. It exposes students to several aspects of business, including international business, business planning and entrepreneurship, financial analysis, communications, business management and leadership. An emphasis will be placed on marketing management, where students will develop marketing activities and plans, generate product ideas, coordinate promotional activities, and demonstrate sales processes by working in the Oriole Nest Café. Students are required to work in the Oriole Nest Café store. Students will explore the various business-related careers and participate in a job shadow experience. College Credit: Students must complete both Bus Mgmt I and II to have the opportunity to earn college credit through Davenport University

BUSINESS MANAGEMENT III (Oriole Nest Cafe & BPA Required)
Grades 11-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisite: Business Management II
This course expands student understanding of business management. It exposes students to several aspects of business, including Administrative Support, Database Applications, Advanced Workplace Safety certification, Fundamentals/Advanced Spreadsheets used for accounting purposes, Integrated Office Applications, and Legal Office Procedures. Students will be in full charge of the Oriole Nest Cafe and all central office requirements. Students will explore a local business and participate in a job shadow experience. College Credit: Opportunity to earn college credit through Davenport University

COMPUTER APPLICATIONS I (Partner Course=Business Foundations)
Grades 9-12 .25 Credit - 9 Weeks
Homework: 3
Prerequisites: None
This course is a foundation in preparing students for the workforce and continuing education. It focuses on the use of software for the business world, employability skills, and common business skills needed for all students. Students will participate in the Microsoft Imagine Academy and have the opportunity to earn industry-recognized Microsoft Office Specialist (MOS) certifications in PowerPoint and Word. Students can achieve Master Certification: stacking certifications (Word Expert, Excel Expert, Access or Outlook). Students will have the opportunity to earn LCC Credit-by-Exam credits when they achieve certification.

COMPUTER APPLICATIONS II
Grades 9-12 .25 Credit - 9 Weeks
Homework: 3
Prerequisites: Computer Applications I
Cover spreadsheet software using Microsoft Excel to learn how to print worksheets, use formulas, create charts, pivot tables, IF functions and financial reports. Also, learn how to create and maintain a database using Microsoft Access. This course is a foundation in preparing students for the workforce and continuing education. It focuses on the use of software for the business world, employability skills, and common business skills needed for all students. Students will participate using the TestOut program and have the opportunity to earn industry-recognized Microsoft Office Specialist (MOS) certifications in Excel and Access. Students will have the opportunity to earn LCC Credit-by-Exam credits when they achieve Certification. College Credit: Students must complete both Computer Apps I and II to have the opportunity to earn college credit through Davenport University

MARKETING AND ADVERTISING
Grades 9-12 .25 Credit - 9 Weeks
Homework: 3
Prerequisites: None
This course is focused around creating content for a business setting. Students will learn about the fundamental principles of marketing, including market research, consumer behavior, product development, pricing strategies, promotion methods, distribution channels, branding, sales techniques, digital marketing, and the importance of business ethics. Students will also learn basic design principles including proper layouts, logo creation and use of brand guidelines to create a successful marketing campaign.

CREATIVE SELLING AND MERCHANDISING
Grades: 10-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This course is designed to teach students creative means to sell and merchandise products and services. Students will use technology to create and demonstrate an understanding of the fundamentals of showcasing brands and other business assets.

DIGITAL MEDIA I
Grades 10-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisites: Computer Applications I or Business Foundations
This course is designed to give students an introduction to the Adobe Photoshop and InDesign and software. Students will create, design and produce projects used in business, training, entertainment, communications and marketing. Students will develop leadership and teamwork skills in collaborating with others in a project-based environment. Students will be expected to produce professional quality work that meets the ethical standards for business and industry. Students will explore career choices and complete a job shadow experience to enhance their career and employability skills.

DIGITAL MEDIA II
Grades 10-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisite: Digital Media I
This course will teach students the techniques, elements, and basic concepts of web design. Students will learn about the various tools (HTML, CSS and JavaScript coding, & Dreamweaver) used to create web pages that effectively communicate ideas and information, address opportunities to improve daily life, and solve real-world problems. Students are given the opportunity to explore a variety of electronic sources and software, while utilizing their creativity and design skills throughout the course. This is a project-based course.

DIGITAL MEDIA III
Grades 11-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Digital Media I & II
Introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing.

PERSONAL AND BUSINESS FINANCE
Grades 11-12 .5 Credit - 18 Weeks
Homework: 2
Prerequisites: None
This course is designed to teach young adults about the importance of managing their finances. Students will categorize their spending and create personal budgets through utilization of an online simulation. Students will gain knowledge about credit, insurance, taxes and personal investment opportunities. Students will also understand the finances involved with business planning and operational expenses. Students are given the opportunity to attend a minimum of 1 field trip with other Business department classes. College Credit: Students have the opportunity to earn general finance college credit through Davenport University

CAREER DEVELOPMENT
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This course is designed to teach students how to choose and plan a career. Students will evaluate their interests, skills, personality traits and attributes to make a viable career decision using Career Pathways. Create cover letters, resume, references, and develop a personal brand. Conduct mock interviews and complete job shadows in career choice. Dining etiquette, career fairs, and reality check are other possibilities. College Credit: Students have the opportunity to earn college credit through Davenport University if ALL standards and Job Shadow is completed

Computer Science and Engineering

INTRO TO CODING
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
We live in the age of computers and they are all around us. Every software program has to be programmed by humans. There are many jobs in working with computers, technology and coding. Come learn to program computers, or “to code,” in a fun hands-on way.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES
Grades 10-12 1 Credit – 36 weeks
Homework: 2
Prerequisites: Intro to Coding with a grade of B or better
This is a rigorous, entry-level AP Computer Science 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, big data, digital privacy and security, and the societal impacts of computing. Students are encouraged to take the AP test at the end of the course but it isn't required.

ADVANCED PLACEMENT COMPUTER SCIENCE
Grades 10-12 1 Credit – 36 weeks
Homework: 2
Prerequisites: Computer Science
Students will learn to design and implement computer programs that solve problems relevant to today’s society, including art, media, and engineering. AP Computer Science A teaches object-oriented

programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems.

INTRO TO ENGINEERING I
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisite: Algebra I (can be taken concurrently)
This is the first course in a 2-part introductory course in the Project Lead the Way Engineering Sequence. PLTW's description of the course is as follows: "Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work."

INTRO TO ENGINEERING II
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: Engineering I with a grade of C+ or better, Algebra I (can be taken concurrently)
This is the second course in a 2-part introductory course in the Project Lead the Way Engineering Sequence. PLTW's description of the course is as follows: "Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work."

PRINCIPLES OF ARTIFICIAL INTELLIGENCE
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Engineering I with a grade of C+ or better
This course will build up your skills in mastering the "Tech That's Reshaping the World". Artificial Intelligence is changing how we work, learn, and solve global problems. This Project Lead The Way (PLTW) course takes you from being a consumer of AI to a creator of it. You'll go "under the hood" of the technology to understand how it works and, more importantly, how to use it responsibly to build a better future.

PRINCIPLES OF ENGINEERING
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Engineering II with a grade of C+ or better, Algebra 2 (can be taken concurrently)
This Project Lead The Way course will lead you through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation."

DIGITAL ELECTRONICS
Grades 10-12 .5 Credit – 18 weeks
Homework: 3
Prerequisites: Engineering II with a grade of C+ or better, Algebra 2 (can be taken concurrently)
This Project Lead the Way course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices."

English

Note: All English classes incorporate a "communications" approach. Reading, writing, speaking, and listening can be expected in each course.

ENGLISH 9
Grade 9 1 Credit – 36 Weeks
Homework: 3
Prerequisites: None
This is a required literature and writing course, which will focus on the following areas of study: literature, composition, and English grammar and usage. Students will engage with short stories, reading strategies, personal writing, research and argumentative writing, *Romeo and Juliet,* and *To Kill a Mockingbird.* The class will include focused engagement in essay and post-secondary writing, which encourages students to develop, organize, and support an argument and engage in the entire writing process from idea development to publication. In addition to writing refinement, students will focus on grammar, usage, and vocabulary and apply those concepts to their written pieces.

ENGLISH 10
Grade 10 1 Credit – 36 Weeks
Homework: 1
Prerequisites: English 9
This is a required literature and writing course, which will focus on the following major areas of study: vocabulary, literature, writing, English usage, and oral communication. Students will critically read novels, write compositions, and complete a comprehensive research paper. The class will include focused engagement in essay and post-secondary writing, which encourages students to develop, organize, and support an argument and engage in the entire writing process from idea development to publication. In addition to writing refinement, students will focus on grammar, usage, and vocabulary and apply those concepts to their written pieces.

ENGLISH 11
Grade 11 1 Credit – 36 Weeks
Homework: 1
Prerequisites: English 10
This is a required literature and writing course. Major areas of study include literary analysis, rhetorical analysis, English language usage, and vocabulary. Students will engage in a variety of writing, speaking, and thinking activities to demonstrate fluency in the course content. The class will include focused engagement in essay and post-secondary writing, which encourages students to develop, organize, and support an argument and engage in the entire writing process from idea development to publication. In addition to writing refinement, students will focus on grammar, usage, and vocabulary and apply those concepts to their written pieces.

ADVANCED ENGLISH 11
Grade 11 1 Credit – 36 Weeks
Homework: 1
Prerequisites: English 10
This is a required literature and writing course that is offered as an alternative to the English 11 requirement, designed specifically for students who are college-bound. Major areas of study include literary analysis, rhetorical analysis, English language usage, and vocabulary. Students will engage in a variety of writing, speaking, and thinking activities to demonstrate fluency in the course content. The class will include intensive focus on refining writing techniques for college-bound students who have a firm understanding of the fundamentals of writing and wish to pursue a deeper study of writing in a rigorous environment. Students will engage in an intensive study of grammar, diction, syntax, and voice development in order to develop mature, college-ready writing. This course incorporates an entry-level college writing technique.

ENGLISH 12
Grade 12 .5 Credit – 18 weeks
Homework: 1

Prerequisites: English 11
This is a required literature and writing course. Students will take a literary journey across the world's continents, reading poetry, novels, short stories, and nonfiction. Students will engage in a variety of writing, speaking, and thinking activities to demonstrate fluency in the content. The class will include focused engagement in essay and post-secondary writing, which encourages students to develop, organize, and support an argument and engage in the entire writing process from idea development to publication. In addition to writing refinement, students will focus on grammar, usage, and vocabulary and apply those concepts to their written pieces.

ADVANCED PLACEMENT ENGLISH
Grade: 12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Advanced English 11; English teacher recommendation
Summer reading assignments will be required prior to the class.
This is a required literature and writing course that is offered as an alternative to the English 12 requirement, designed specifically for students who are college-bound and want an opportunity to earn college credit through an AP exam in the spring. This is a college level course. Students, by proficient performance on the Advanced Placement Examination, can obtain up to 1 year of college credit and/or advanced placement in college composition. This course includes both the daily reading and analysis of discursive prose and the study of the process of writing – from the discovery of the topic to the preliminary drafts to the final edited edition. Students will study examples of prose from various fields and periods primarily in British and American Literature. These examples will serve as models of effective styles, and students will compose a variety of writing assignments calling for the use of different styles or tones. Composition assignments take the form of journal writing, impromptu essays, full length, formal essays, and research.

POETRY
Grades 9-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: None
This elective course is a safe place to explore thoughts and feelings through writing. Students will explore poems, both past and current, to unveil how authors use poetry to express themselves. After exploration, students will use these poets as models to write their own poetry.

FILM AS LITERATURE
Grades: 9-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
Film has become a significant component of our culture. From the silver screen to the cellphone screen, visual narrative is everywhere. This elective course is designed to provide students with an opportunity to become more engaged with the medium of film. Students will be asked to analyze, evaluate, critically view, and ultimately create a short film. Assessments for this course will be a mix of written analysis and filmed practice. Content will include, but not be limited to, the history of film and filmmaking, technical aspects, directors, genre, basic editing, and production.

JOURNALISM
Grades 9-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
This elective course is designed to teach students the skills necessary to communicate through print/video media today, with an emphasis on writing and including interviewing, observing, reporting, responding, and synthesizing. Participants gain useful, real-world skills in time management, journalistic ethics and integrity, professional writing, editing, and photography. This course is supplemental to the school newspaper, *The Orange & Black*, and students are expected to contribute articles to the production of the paper.

YEARBOOK
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: English 9
Students enrolled in this elective course plan, design, develop, and publish the school's yearbook. The course may be taken more than once for credit.

CREATIVE WRITING
Grades 9-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
In the middle of a hectic high school schedule a learner occasionally needs an outlet from the real world. This elective course profiles this escape through an often-forgotten tool – one's imagination. Students will be encouraged to write in many genres including poetry, short story, non-fiction, autobiography, and various others.

MEDIA LITERACY
Grades 9-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This elective course engages students in the critical study of multimedia texts, including, but not limited to film, podcasts, and social media. Students will view a variety of styles and genres and develop technological, cultural, and media literacy in a wide-range of informal and formal discussions, projects, and written responses.

SPEECH
Grades 10-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: English 9
This elective course will help a student feel more at ease while speaking to individuals or to a group. This course involves the student in several different types of speaking situations beginning with short, simple speeches, then advancing to more formal types of speaking. Speech also explores the role of speaking and communicating in the technological and work world.

SPORTS AND LITERATURE
Grades 10-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: English 9
This elective course will culminate a shared interest between athlete, the fan, and even the critic. This shared interest is the relationship of sports to life. The themes studied are purposefully universal to ensure the class has meaning for everyone. Thematic units include the relationship between sports and life, and the reasons that authors use sports in their literature.

ENGLISH SECOND LANGUAGE (ESL)
Grade 9-12 .25 Credit - 9 Weeks
Prerequisite: This course is available only to students who qualify as English Language Learners (ELLs). The English as a Second Language (ESL) course is designed for multilingual students in grades 9-12 who have scored between 1.0 and 2.9 on the WIDA ACCESS/WIDA Screener. This semester-long course aims to provide students with essential skills in listening, speaking, reading, and writing in English, preparing them for more advanced instruction in their content classes. Students will learn through a curriculum that aligns with the 9-12 WIDA Standards, ensuring that the lessons are tailored to their specific language proficiency needs. Instructors for this course are trained in the SIOP (Sheltered Instruction Observation Protocol) model, which emphasizes effective teaching strategies to support multilingual learners. By participating in this course, students will build a strong foundation in English that will help them succeed academically and engage more fully in their school community.

ELL ACADEMIC SUPPORT
Grades 9-12 .25 Credit - 9 Weeks
Prerequisite: This course is available only to students who qualify as English Language Learners (ELLs). Students enrolled in this course will receive additional academic support with their classes, including extra time to complete homework assignments, projects, presentations, tests, and examinations. Additionally, students will improve their time management and organizational skills.

Industrial Arts

WOODWORKING 1
Grades 9-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: None
This course will cover safety and skills needed for operating woodworking machinery. Measurement, planning, construction, and finishing will be covered throughout the class. Students will construct assigned projects, while learning higher level woodworking techniques.The final project will consist of either an end-table or a bookshelf. **Fee of $60 to cover the cost of materials.**

WOODWORKING 2
Grades 9-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisites: Woodshop I grade of C+ or better
This course will allow students to use their knowledge of safety using woodworking machinery and tools, reading blueprints to build and finish various projects to specifications. Students will construct a final cabinet project using advanced joinery techniques. Students will learn about post secondary woodworking careers and opportunities. **Fee of $30 to cover the cost of material for project 1. The project 2 fee will depend upon what the student designs as their personal project.**

ADVANCED WOODWORKING - WOODLOT MANAGEMENT AND CHAINSAW SAFETY
Grades 10-12 .25 Credit – 9 Weeks (Term 1)
Homework: 3
Prerequisites: WoodWorking I and Woodworking II grade of C+ or better
Students will be exposed to the basics of woodlot management. Tree identification, managing your woodlot for highest and best use, tree measurements and calculations, managing trees for optimal lumber quality, chainsaw safety, chainsaw maintenance, tree felling and bucking.

ADVANCED WOODWORKING - CRAFTING
Grades 10-12 .25 Credit – 9 Weeks (Term 2)
Homework: 3
Prerequisites: WoodWorking I and Woodworking II grade of C+ or better
Students will be exposed to various crafts commonly sold in woodworking businesses. Students will research, design, plan, and execute multiple small crafts. Students will use lathes to build turning kits: pens, ornaments, cell phone stands etc. Students will learn various joints in box making. **Fee of $30 to cover the cost of materials.**

ADVANCED WOODWORKING - OPEN LAB
Class fee- Dependant upon what student designs.
Grades 10-12 .25 Credit – 9 Weeks (Term 3)
Homework: 3
Prerequisites: WoodWorking I and Woodworking II grade of C+ or better
Students will be given the opportunity to design and build a project of their own choosing. Students will be expected to research, design, plan, and execute a custom project to design standards. These students

will be expected to build their projects to design standards, simulating a client based project standard, that common woodworking businesses are held to. **Fee to cover the cost of materials will be dependent on individual student designs.**

ADVANCED WOODWORKING - CABINETRY
Grades 10-12 .25 Credit – 9 Weeks (Term 4)
Homework: 3
Prerequisites: WoodWorking I and Woodworking II grade of C+ or better
Students will learn the basics in cabinetry making. Students will research, design, plan, and execute a standard sized rolling cabinet. Skills include: routing, precision machine work, executing various joinery techniques for strong durable products. Cabinetry is a common product produced in woodworking by large and small business shops. **Fee of $40 to cover the cost of materials.**

Mathematics

ALGEBRA 1
Grades 9-11 1 Credit - 36 Weeks
Homework: 1
Prerequisites: None
This course covers the Algebra 1 curriculum as set forth in the State of Michigan content standards. The topics include writing linear equations and inequalities using 1 or 2 variables, writing and solving systems of 2 or 3 linear equations in 2 or 3 variables, simplifying expressions using laws of exponents, solving and graphing exponential growth and decay functions, and solving quadratic equations by factoring and use of the quadratic formula.

GEOMETRY or ADVANCED GEOMETRY
Grades 10-12 1 Credit - 36 Weeks
Homework: 2
Prerequisites: Algebra 1
This course is designed to cover the Geometry curriculum as set forth in the State of Michigan content standards. It is a relatively traditional study of Euclidean geometry, including undefined terms, definitions, postulates, and theorems, all of which are used in proofs and to describe the properties of 1, 2, and 3-dimensional figures. Measurement formulas will be included. In addition, Michigan Merit Exam topics will be highlighted.

ALGEBRA 2
Grades 10-12 1 Credit - 36 Weeks
Homework: 2
Prerequisites: Algebra 1
This course is designed to cover the Algebra 2 curriculum topics as set forth in the State of Michigan content standards with less depth and rigor and at a slower pace than the advanced version of this course. Some of the topics for this course are rational polynomial functions, conic sections, sequences and series, trigonometric functions, identities, and equations, as well as data collection, analysis, issues of bias, measures of center and spread, the normal curve and z-scores. Graphical displays such as box plots, histograms, stem-and-leaf plots and frequency tables will be included.

ADVANCED ALGEBRA 2
Grades 10-12 1 Credit - 36 Weeks
Homework: 1
Prerequisites: Algebra 1; Math teacher recommendation
Students interested in taking Pre-Calculus and, perhaps, AP Calculus should plan on taking this advanced level course. This course is designed to cover the Algebra 2 curriculum as set forth in the State of Michigan content standards. Topics include a review and extension of Algebra 1 topics, complex numbers and quadratic systems, polynomial operations and theorems, exponential and logarithmic functions, rational polynomial functions, conic sections, sequences and series, probability, a brief introduction to statistics, trigonometric functions, identities, and equations. In addition, Michigan Merit Exam topics will be highlighted. This course is intended for students who anticipate attending college

and, consequently, require the type of rigor that a college curriculum would demand.

PRE-CALCULUS
Grades 10-12 1 Credit - 36 Weeks
Homework: 1
Prerequisites: Advanced Algebra 2B; Math teacher recommendation
This course will cover Trigonometry, Analytic Trigonometry, and Additional Topics of Trigonometry. The course will also cover Sequences, Series, and Probabilities followed by Limits and an Introduction to Calculus. If time allows, students in this course will also do the Pre Calculus unit of study from Calculus. In addition, Michigan Merit Exam topics will be highlighted.

ADVANCED PLACEMENT STATISTICS
Grades 11-12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Algebra 1, Geometry, Algebra 2
This course gives students a college-level learning experience, equivalent to a first year statistics course including the concepts of data analysis, linear regression, data collection, probability and statistical inference. Statistics is unlike other mathematics courses; it focuses on the context as well as the numerical answer. This course can be rewarding for many students, as they learn to apply numbers in various fields of study. Statistics are more widely used across many disciplines and those planning on attending college in fields such as education, business, medicine, or other sciences will need to take a stats class.

ADVANCED PLACEMENT CALCULUS
Grades 11-12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Pre-Calculus
This course prepares students to earn college calculus credit by taking the Calculus AB Advanced Placement test in May. The course includes the Calculus AB objectives, namely, differentiation and integration of polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions.

PERSONAL FINANCE
Grades 11-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
This course is designed to give students hypothetical experience with financial situations many find themselves in after graduation. Students will experience life from HS Graduation to retirement encountering topics like: savings, investment options, wealth building and college savings, dangers of debt, credit bureaus and collections, budgeting, bargain shopping, taxes, insurance, career choices, and real estate and mortgages.

PROBABILITY AND STATISTICS
Grades 11-12 .5 Credit - 18 weeks
Homework 2
Prerequisites: Algebra 2
This course covers the Probability and Statistics curriculum as set forth in the State of Michigan content standards. This course is designed to provide a basic understanding of descriptive and inferential statistics. Topics include the measures of central tendency, standard deviation, combinations and permutations, probability, sampling, and various distributions. Emphasis is on applications of statistical concepts. This course is intended for students who anticipate attending college and, consequently, require the type of rigor that a college curriculum would demand.

PRACTICAL MATH
Grades 10-12 .5 Credit – 18 weeks
Homework: 3
Prerequisites: None
This project based elective course explores mathematics used in everyday life. Students will learn about

conversions and units, basic probability and statistics, measurements and construction, budgeting and finance, logic and problem solving, and patterns through a hands-on approach.

HISTORY OF MATH 1: FOUNDATIONS OF MATH FROM PREHISTORY TO ANCIENT GREECE
Grades 10-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This elective course explores the origins of mathematics from prehistoric counting through the rise of Greek logical reasoning. Students examine how early civilizations developed numerical systems, geometry, and problem-solving techniques to meet cultural, economic, and scientific needs.

HISTORY OF MATH 2: MATH IN TRANSITION FROM CLASSICAL GREECE TO EARLY PROBABILITY
Grades 10-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This elective course examines the expansion of mathematics from classical Greek thought through the development of algebra, geometry, calculus ideas, and probability. Students investigate how mathematical thinking evolved as societies faced new scientific, artistic, and economic challenges.

Miscellaneous

SAT - ENGLISH SKILLS
Grade 11 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This course offers students a review of critical academic content in order to prepare for the SAT. The focus will be on writing, reading, and grammar. The course is designed to make sure students are confident and capable when working with key academic SAT content.

SAT - MATH SKILLS
Grade 11 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This course offers students a review of critical academic content in order to prepare for the SAT. The focus is on math skills. The course is designed to make sure students are confident and capable when working with key academic SAT content.

LEADERSHIP AND ETHICS IN THE 21ST CENTURY
Grades 9-12 .5 Credit – 18 Weeks
Prerequisites: None
Homework: 2
In this elective course, students will learn about the characteristics that make an effective leader. Students will begin the year by analyzing their own strengths and weaknesses as a leader and will come to understand leadership through a book study while reading *The 21 Indispensable Qualities of a Leader*. Many lessons and activities will revolve around the sports world, but students will come to understand that leadership transcends sports. Case studies, self-reflection, book studies, stories of important leadership figures, service learning, and thoughtful discussion and analysis will be the cornerstone of the class. Ultimately, the goal of the course is to begin the process of establishing a more positive school culture and positively influence the individual lives of students.

JUNIOR SEMINAR
Grade 11 .25 Credit– 9 Weeks
Homework: 2
Prerequisites: None
This course will prepare you to become career-ready by developing successful skills and strategies focused on completing job applications, writing resumes, and writing cover letters. In addition, you will be connected with career resources on campus and around the community.

LINKS
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Must complete application and interview process with LINK advisor
The LINK Program offers a course that enables the LINK student an opportunity to make a difference in another person's life. The student enrolled in the LINK Program will be a mentor, role model, and friend to an assigned student with ASD (Autism Spectrum Disorder). In this role, the LINK student will be with his/her assigned student with ASD a minimum of 1 class period per day, except for "Training Day". In addition to being a mentor, role model and friend, the LINK student will learn the following skills: Leadership, Effective Communication, Problem Solving, Goal Setting, Applied Behavior Analysis (ABA), Accepting Responsibility, Teaching and Modeling Techniques, Citizenship, Reflective Listening, Journaling, Group Process, Tolerance and Patience.

FUTURE EDUCATORS I
Grades 11-12 1 Credit - 36 Weeks
Homework: 3
Prerequisites: Teacher Recommendation
Future Educators is designed for students who are interested in exploring or entering the career field of education. This course will involve the student in classroom instruction on philosophy, design, and practice. In addition, students will spend time in actual classrooms participating in observations, instructional activities, lesson planning and instruction.
Semester 1 (18 weeks) - Students will participate in classroom instruction as well as site visits, observations, lesson designs, and mock lessons.
Semester 2 (18 weeks) - Students will apply their knowledge and skills in real life experiences through placements in various educational settings. Students will be expected to design lessons and provide instruction during the semester.

FUTURE EDUCATORS II
Grade 12 1 Credit - 36 Weeks
Homework: 3
Prerequisites: Future Educators I; Teacher Recommendation
Future Educators II is designed for students who have successfully completed Future Educators I. This course will involve students being assigned to classrooms where they will apply knowledge from Future Educators I to provide instruction to students in varying grade levels, alongside the classroom teacher. Students will participate in observations, guiding instructional activities, lesson planning, and instruction.
Semester 1 (18 weeks) - This will be the first placement for the school year. Students will be assigned to one of their placements of interest.
Semester 2 (18 weeks) - This will be the second placement for the school year. Students will be assigned to a second placement of interest.

INDEPENDENT FUTURE EDUCATORS 2C
Grade 12 .5 Credit - 18 Weeks (may take both semesters)
Homework: 3
Prerequisites: Completion of Future Educators 1, Enrolled in Future Educators 2, Teacher Approval
Future Educators Independent Study 2c is designed for students who would like to engage in more time in classroom placements and focus on completion of requirements for the Mi-CDA or MiYDA certification. Students must have completed both semesters of Future Educators I and be enrolled in Future Educators II in order to be considered for Independent Study.

INDEPENDENT STUDY
Grades 11-12 . 5 or 1 Credit – 18 or 36 Weeks
Homework: 2
Prerequisites: Teacher permission
This course is for the self-directed, self-disciplined, motivated student wanting to further his/her skills in a

specific subject area. The student will be asked to set up his/her own course of study. Students will have to complete the appropriate paperwork prior to requesting a schedule change. All Independent Study courses must be approved by the content area teacher, the department chair, the counselor and the principal.

Performing Arts

Note: Students enrolled in music ensembles are required to attend all rehearsals and performances unless excused by instructor

MARCHING BAND (In conjunction with Symphony or Concert Band)
Grades 9-12 .25 Credit – 18 Weeks (Semester 1)
Homework: 1
Prerequisites: Audition
All marching band students are required to participate in the pre-season rehearsals and residential band camp prior to the start of school. Students must commit, in advance, to the performance schedule of the band. Learning emphasis is directed toward the correct performance of all musical and marching fundamentals. Students will learn a variety of music. Activities include band camp, football games, parades, exhibitions, and/or festivals. The Marching Band will consist of the combined membership of the Concert and Symphony Band. Activities will include band camp, football games, parades and festivals. Marching Band is required of all Symphony Band and Concert Band students. Band is a full year course.

SYMPHONY BAND
Grades 9-12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Audition
Learning emphasis includes interpretation of musical styles, conducted performance, reading skills, and refinement of music fundamentals through an exposure to the best of wind and percussion music.

CONCERT BAND
Grades 9-12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Audition
Learning emphasis is similar to the Symphony Band with more emphasis on the development of individual performance through fundamental development.

JAZZ ENSEMBLE
Grades 9-12 .5 Credit - 18 Weeks (Semester 2)
Homework: 2
Prerequisites: Audition; enrolled in Symphony or Concert Band
Learning emphasis will include a survey of styles and improvisation through theory of chords and scales. Performances will include concerts, school and community functions, and festivals.

TREBLE CHOIR
Grades 9-10 (11-12 with Director Approval/Audition) 1 Credit - 36 Weeks
Homework: 2
Prerequisites: None
This is the entry level soprano/alto choir at CHS. No audition is required. Learning emphasis is based upon developing fundamental vocal, music reading, and performance skills. Treble Choir will combine with Basso Choir to form the CHS Concert Choir. A minimum of 6 evening performances and participation in MSVMA Choral Festivals are a requirement of this course.

BASSO CHOIR
Grades 9-10 (11-12 with Director Approval/Audition) 1 Credit – 36 Weeks
Homework: 2
Prerequisites: None
This is the entry level tenor/bass choir at CHS. No audition is required. Learning emphasis is based upon developing fundamental vocal, music reading, and performance skills. Basso Choir will combine with

Treble Choir to form the CHS Concert Choir. A minimum of 6 evening performances and participation in MSVMA Choral Festivals are a requirement of this course.

CONCERT CHOIR
Grades 9-12 1 Credit – 36 Weeks
Homework: 2
Prerequisites: None
Concert Choir is the entry level mixed choir at CHS. No audition is necessary. Learning emphasis is based upon developing fundamental vocal, music reading, and performance skills.

BELLA VOCE
Grades 10-12 1 Credit – 36 Weeks
Homework: 2
Prerequisites: Audition; Previous vocal music experience
Membership determined by audition with director; Bella Voce [Beh-luh Voh-Chay], Italian for 'beautiful voices', is an advanced treble choir with learning emphasis based upon development of part singing skills and performance of advanced choral literature. Intermediate to advanced music reading skills are essential. A minimum of 6 evening performances and participation in MSVMA Choral Festivals are a requirement of this course. Students must audition in the spring of the previous year in order to be in the class.

CHORALE
Grades 11-12 (10 with director approval) 1 Credit – 36 Weeks
Homework: 2
Prerequisites: Audition, Previous music experience
Membership is determined by audition with the director; Chorale is an advanced mixed-voice ensemble with learning emphasis based upon interpretation of advanced choral repertoire. Intermediate to advanced music reading skills are essential. A minimum of 6 evening performances and participation in MSVMA Choral Festivals are a requirement of this course. Students must audition in the spring of the previous year in order to be in the class.

A CAPELLA CHOIR
Grades 10-12 (9 w/ director approval/audition) 1 Credit – 36 Weeks
Homework: 2
Prerequisites: Previous vocal music experience preferred
This is a select ensemble consisting of both entry and advanced level mixed voice singers. No audition is required for grades 10-12, with a director audition/approval being required for grade 9. Learning emphasis is based upon developing fundamental vocal, music reading, and performance skills in the a cappella style. Each concert cycle will focus on a different subgenre of a cappella choral music. A minimum of 5 evening performances is a requirement of this course.

MUSIC IN FILM
Grades 9-12 .25 Credit - 9 Weeks
Homework: 2
Prerequisites: None
Students will explore the importance of music in film, the use of theme music, movie and music genres, instrumentation uses and prolific film composers.

MUSICAL THEATER ENSEMBLE
Grades 9-12 .25 Credit - 9 Weeks (Term 2)
Homework: 2
Prerequisites: Audition; Previous vocal music experience
The Musical Theatre Class will focus on four main areas: Acting, Singing, Dancing, and Technical Theatre. Students will have the opportunity to work with trained professionals in each area and will gain valuable performance and technical skills. Students in this course will perform at MSVMA Musical Theatre Solo and Ensemble in November, and will work on various aspects of the CHS Fall Musical. To conclude the

course, students will plan and execute a musical revue performance in January. At the conclusion of this course, students will also be CPAC Stage Crew Certified.

INTRODUCTION TO MUSIC THEORY
Grades 10-12 .25 Credit - 9 Weeks
Homework: 2
Prerequisites: Previous music experience; Teacher recommendation
Focus on the basics of Music Theory that students with an interest in post-secondary musical study will need upon entry into music school. The course covers introductory-level music theory and ear-training, including clef reading, pitch and rhythmic notation, intervals, scales, key signatures, harmony, ear training, sight singing, and other topics at the discretion of the instructor.

THEORY OF MUSIC
Grades 10-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Previous Music Experience Required; Teacher Recommendation; Application
1. Upperclasspersons (10-12) Music Students
2. Advanced musical accomplishment
3. Anticipated music major in college

This class includes fundamentals of music theory, part-writing, composition, and ear training leading to the advanced placement examination in music theory. Students should have a solid foundation in the fundamentals of music through formal instrumental or vocal study.

ADAPTIVE MUSIC
Grades 9-12 .25 Credit - 9 Weeks
Homework: 2
Prerequisites: LINK, FIP, Concurrent enrollment in Instrumental or Vocal Music Course
Adaptive Music uses music and related experiences, including music lessons, to address psychosocial needs and to improve one's quality of life. This course provides students with academic or learning challenges the opportunity to express themselves musically, interact, and learn to play a musical instrument in a welcoming, encouraging environment.

INTRODUCTION TO DRAMA
Grades 9-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
This course is an introduction to theater appreciation and performance. Many aspects of the theater will be covered, including the history of theater and the critical reading of plays. Students will also study improvisation, stage techniques, and acting techniques. Students will learn the stages of play production and will perform several scenes.

ADVANCED DRAMA
Grades 10-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Intro to Drama
This course builds upon the skills of Intro to Drama, but is more focused on the performance of monologues, scenes, and one-act plays. Performances are attended by invited audiences and guests, including a performing arts festival. The class also takes field trips to a professional theater performance. Students engage in critical reading, thoughtful discussions, language study, and various forms of writing.This is the ideal course for students who have a desire to act and are seeking opportunities to develop their skills. Students learn to perfect their acting skills both on stage and in front of a camera. Students concentrate on a professional level of achievement through effort, self-discipline, and responsibility. The class works on the technical aspects of the school play.

Physical Education and Health

NOTE 1: PE courses require active physical participation for success and healthy development. Because of this, the majority of the grade for PE courses will be based on actively engaged participation. Active physical participation will be required for earning credit.

NOTE 2: A student may not take more than 1 physical education class in the same semester without permission from the teacher.

PHYSICAL EDUCATION
Grade 9 .25 credit - 9 Weeks
Homework: 3
Prerequisites: None
Combines elements of Body Mechanics and Lifetime Fitness courses in a physical education class designed just for freshmen and paired with Health. Those elements include: The opportunity for the student to increase strength, power, balance, quickness, agility, flexibility, muscle endurance, and cardiovascular endurance. There are weight programs for beginner, intermediate, and advanced weight lifters. Games and activities that work the cardiovascular system. These may include jogging, jumping rope, weight lifting and body toning exercises. Students will also participate in games/recreational activities that promote fitness, such as bowling, swimming, badminton, volleyball, football, basketball, etc.

LOW IMPACT PHYSICAL FITNESS
Grade: 9-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: None
This is an elective course fit for students who want to maintain a healthy lifestyle using body and surroundings for strength, stretch, and overall movement. This course will be based on core concepts of yoga practices, full body low weight workouts, and in class techniques for mindfulness. By learning where muscle groups are located, and how they should best be treated, students will be able to apply techniques to strengthen and maintain intentional healthy habits. A yoga mat is strongly recommended.

STRENGTH AND CONDITIONING
Grade 9-12 .5 Credit – 18 Weeks (2nd semester)
Homework: 3
Prerequisites: PE 9 with a grade of B or better
This is a dynamic course that focuses on mastering the proper form and technique used for the basic lifts to prepare the student to safely and effectively lift weights. There is also a strong emphasis on core strength, speed and agility, conditioning, and flexibility and mobility. There will be competitive game play once a week. Pre and Post testing in the areas of strength, power, speed, and agility will be recorded and evaluated. This course suits those with a strong interest in improving their strength, speed and agility and preparing for advanced conditioning. **High Intensity Physical Activity**

ADVANCED WEIGHT TRAINING & CONDITIONING
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Strength & Conditioning with a grade of B or better
This course is designed to meet the needs of the serious athletic individual. This course will provide each student with programs that will foster improvement in the areas of strength, power, flexibility, mobility, speed, agility, and muscular/cardiovascular endurance. Proper nutrition and sleep habits will be discussed. Pre- and post-testing in the areas of upper and lower body strength, power, speed, and agility will be recorded and evaluated. Form running and advanced running techniques will be taught as part of the speed development unit. Student-athletes will benefit from the opportunity to improve strength and conditioning during school hours while having additional time for enhancing academic responsibility and

accountability outside of school. This course may be taken more than once. **High intensity physical activity**

ADVANCED SPORTS AND FITNESS ACTIVITIES
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: PE 9 with a grade of B or better
This is a course that is based primarily as a step up from general Physical Education in that it emphasizes basic team and individual sports such as tennis,volleyball, flag football, basketball, bowling, swimming, weight training 2-3 days a week, CrossFit and HIIT, Speed/ Agility/ Flexibility and Agility, speedball, badminton, pickleball, yoga and many other options over a 9 week semester. This course may be taken more than once. **High intensity physical activity**

HEALTH
Grade 9 .25 credit - 9 Weeks
Homework: 2
Prerequisites: None
This course places a strong emphasis on developing a positive attitude toward total health and wellness. Students will gain knowledge, skills and understanding needed to make healthy lifestyle choices and decisions.

ADVANCED HEALTH
Grade 10-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Health
This is a course that builds off of the foundation of the base level Health class. This course will build, develop, and enhance life-long health skills. Some of the content includes: family health history, finding healthcare, nutrition, mental health, self and society, healthy and unhealthy relationships, drug and alcohol information, and more.

Science

BIOLOGY
Grade 9-10 1 Credit – 36 Weeks
Homework: 3
Prerequisites: None
This is a course, which includes an in-depth study of living organisms. Topics include cellular growth and reproduction, genetics, diversity and classification of living organisms and ecology.

PHYSICAL SCIENCE
Grade 10-11 1 Credit – 36 Weeks
Homework: 3
Prerequisites: Biology
This course will cover atoms, periodic table, chemical reactions, solutions, nuclear energy, motion, energy, electricity, magnetism, waves, sound and light.

EARTH SCIENCE
Grade 10-12 1 Credit – 36 Weeks
Homework: 2
Prerequisites: Biology
This course will have students look into how various aspects of the Earth impact each other and what causes specific processes. Students will also learn about the solar system and our overall place in the universe.

CHEMISTRY
Grades 10-12 1 Credit – 36 Weeks

Homework: 1
Prerequisites: Biology, Geometry (can be concurrently enrolled)
A college preparatory course for the student who desires further study of measurement of matter, atomic structure, periodic table, equations and mole relationships, gas laws, solutions, acids, and bases. Topics, which were introduced earlier, are explored in greater depth and detail along with many new topics.

PHYSICS
Grades 10-12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Algebra 2 (can be concurrently enrolled)
This course is a conceptual and mathematical investigation into the topics of Physics. The course is designed for students who are NOT interested in pursuing a career in a science or engineering field but are still interested in an exploration into the world around them. Students will perform investigations and experiments as they dive into the topics of motion, forces, energy, momentum and circuits.

ADVANCED PLACEMENT PHYSICS 1
Grades 11-12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: Geometry; Advanced Algebra 2 (can be concurrently enrolled)
AP Physics 1 is an algebra-based, introductory college-level physics course. The course is designed for students who are interested in pursuing a career in a science or engineering field or wanting a more indepth exposure to the world of Physics. Students will perform investigations and experiments that explore topics such as motion (including motion in 1 and 2 dimensions), forces, circular motion, simple harmonic motion, rotational motion, work and energy, momentum and fluid dynamics.

ADVANCED PLACEMENT PHYSICS 2
Grade 12 1 Credit – 36 Weeks
Homework: 1
Prerequisites: AP Physics 1; Pre-Calculus (can be concurrently enrolled)
AP Physics 2 is an algebra-based, introductory college-level physics course. Students will perform investigations and experiments that explore topics such as waves and sound, thermodynamics, electrostatics, electrical circuits with capacitors, electromagnetism, optics, and quantum physics.

ADVANCED PLACEMENT BIOLOGY
Grade 11-12 1 Credit – 36 weeks
Homework: 1
Prerequisites: Chemistry
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

INTRODUCTION TO MARINE BIOLOGY
Grades 9-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This elective course is the study of marine life, or all organisms that inhabit the ocean and other saltwater environments. We will explore the marine world beginning with the sea's physical properties to sustain life. We will learn and discuss what kinds of organisms live in marine environments and examine their diverse habitats and oceanic zones. Ecology, human impacts, and conservation bring these pieces together as we discuss the interconnectedness of all systems. This course is project and creativity based, with flexibility to explore different topics and different kinds of assignments.

ENVIRONMENTAL SCIENCE
Grades 9-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This elective course is the study of interactions among living organisms and their surroundings (ecology), and emphasizes how humans impact the natural world. The field incorporates principles from biology,

physics, chemistry, geology and more when examining the role of the individual in its broader environment. We discuss the interconnectedness of all members of an ecosystem and how a change in one aspect places pressures on all others to restore the balance. We explore positive and negative impacts humans pose on the natural environment, and our role in navigating these problems to create lasting solutions. This course is project and creativity based, with the ability to explore a variety of topics and methods of learning and demonstrating knowledge.

MICHIGAN FISHERIES AND WILDLIFE
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This elective course introduces students to the study and management of fisheries and wildlife, with a focus on Michigan fauna. Students will explore topics such as wildlife biology, aquatic ecosystems, habitat management, population dynamics, and environmental stewardship. Through classroom learning, outdoor fieldwork, and lab experiments, students will examine the relationships between humans, animals, and natural habitats. The course emphasizes hands-on experience, critical thinking, and real-world applications of environmental science.

FOOD SCIENCE
Grades 9-12 .25 Credit - 9 Weeks
Prerequisites: None
This course introduces students to the science behind food production, preparation, and safety. This class is designed to give students an understanding of food systems, how food affects health, and careers that can be found in the industry. Students will explore topics such as food safety and sanitation, food preparation methods, ingredient functions, preservation techniques, and product development and marketing. This class will equip students with essential knowledge and skills to pursue a career in the food industry or simply make informed decisions at the grocery store.

FORENSIC SCIENCE
Grades 10-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Biology & Physical Science or Chemistry (can be concurrently)
This elective is the introduction to the application of science to the law. Science offers the knowledge and technology needed for definition, enforcement and clarification of the use of evidence in criminal and civil cases. Forensic Science draws on the application of the sciences. The course focus will be on problem solving. Students will be expected to work in teams, theorize, design experiments, research forensic methodologies, synthesize information, and make conclusions based on their own empirical evidence. Topics will include: Crime Scene Analysis, Physical Evidence, Forensic Toxicology, Fingerprint Analysis, Document Analysis, DNA Analysis,and Reading, Writing and Analyzing Case Studies.

ANATOMY & PHYSIOLOGY 1
Grades 10-12 .5 Credit – 18 Weeks
Homework: 1
Prerequisites: Biology
This is a college preparatory course for students interested in the medical or athletic field and as a continuation of biology. It introduces the study of anatomy and physiology, human body systems and an appreciation of the interrelationships of the structure of the body. Body systems included are: skeletal, muscle, nervous, integument; along with health and disease. Animal dissection will be required.

ANATOMY & PHYSIOLOGY 2
Grades 10-12 .5 Credit – 18 Weeks
Homework: 1
Prerequisites: Biology, Anatomy & Physiology I with grade of B or better
This is a college preparatory course for students interested in a career in the medical or athletic field and as a continuation of Anatomy and Physiology I. It provides a study of the anatomy and physiology of individual human body systems and an appreciation for the interrelationships of the structure of the body. Body systems included are: nervous, circulatory, respiratory, digestive, immune, and endocrine, along with human development, health, and disease. Animal dissection will be required.

Social Studies

US STUDIES
Grade 9 only 1 Credit - 36 Weeks
Homework: 2
Prerequisite: None
This is a survey course of American history beginning with the Becoming a World Power and concluding with contemporary subjects. Students will also use English 9 standards and skills throughout the course to analyze historical documents and events. **Students will be earning US History grades and the opportunity for English 9 credit with meeting state standards in both.**

WORLD STUDIES
Grade 9 only 1 Credit - 36 weeks
Homework: 2
Prerequisite: None
World History is the study of past human events and activities and their influence on the significant cultural and political events that have occurred from the beginning of human history until modern times. Students will study the unique environmental and geographic features that led to the development of civilizations with the common characteristics in different regions of the world. Students will also use English 9 standards and skills throughout the course to analyze historical documents and events. **Students will be earning World History grades and the opportunity for English 9 credit with meeting state standards in both.**

U.S. HISTORY & GEOGRAPHY
Grade 9-10 1 Credit – 36 Weeks
Homework: 2
Prerequisites: None
This is a survey course of American history beginning with the Becoming a World Power and concluding with contemporary subjects.

WORLD HISTORY & GEOGRAPHY
Grade 9-10 1 Credit – 36 Weeks
Homework: 2
Prerequisites: None
World History is the study of past human events and activities and their influence on the significant cultural and political events that have occurred from the beginning of human history until modern times. Students will study the unique environmental and geographic features that led to the development of civilizations with common characteristics in different regions of the world.

GOVERNMENT
Grade 11-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
The Government course is intended to provide the student with a working knowledge of American Government and politics, which is important if students are to meet their responsibilities as citizens and as participants in our democracy. Both the students and their community will be better served if they are well informed and can think clearly and objectively about societal and political questions. This course is designed to function as a means to that end.

ECONOMICS
Grade 11-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
The Economics course is intended to provide the students with a working knowledge of economics which is important if students are to meet their responsibilities as citizens and as participants in a market economy. Both the students and their community will be better served if they are well informed and can

think clearly and objectively about economic questions. This course is designed to function as a means to that end.

ADVANCED PLACEMENT U.S. HISTORY
Grade 10-12 1 Credit – 36 Weeks
Homework: 2
Prerequisites: None
Summer work is required
This is an intensive survey which examines United States History from pre-colonial times to modern times. This course has 4 main goals. First, students will gain a better understanding of the flow of history by linking historical periods thematically in a cohesive and chronological manner. Second, students will be exposed to the tools and methods used by the historian. Third, students will have the opportunity to gain college credits by passing the AP United States History exam in May. Finally, this course will give students prior exposure to what will be expected of them in a typical college humanities course.

ADVANCED PLACEMENT EUROPEAN HISTORY
Grade 10-12 1 Credit - 36 Weeks
Homework: 2
Prerequisites: U.S. History
This is an intensive survey which examines European History from approximately 1450 to the present. This course has 4 main goals. First, students will gain a better understanding of the flow of history by linking historical periods thematically in a cohesive and chronological manner. Second, students will be exposed to the tools and methods used by the historian. Third, students will have the opportunity to gain college credit by passing the A.P. European History exam in May. Finally, this course will give students prior exposure to what will be expected of them in a typical college humanities course.

ADVANCED PLACEMENT WORLD HISTORY: MODERN
Grade 10-12 1 Credit - 36 Weeks
Homework: 2
Prerequisites: U.S. History
This is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

ADVANCED PLACEMENT US GOVERNMENT
Grade 11-12 1 Credit - 36 Weeks
Homework: 2
Prerequisites: None
This course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret US politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will have the option of taking the Advanced Placement test in May to receive college credit. This course will also provide students the ½ credit of economics through independent study and a Post-AP test economic unit. These are designed to provide the students with a working knowledge of economics so they can meet their responsibilities as a participant in the market economy, and personal finance.

MICHIGAN HISTORY
Grades 9-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
This elective course is an in-depth study of the history and geography of Michigan from early exploration to the modern era of industrial Michigan. Through the study of Michigan History students will gain a better understanding of their state. Due to the different grade levels of the class it will be project based.

INTRO TO MYTHOLOGY

Grades 9-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This elective course introduces students to the study of mythology as a way to understand the beliefs, values, and traditions of cultures around the world. Students will explore mythologies from a variety of cultural and religious traditions. The course emphasizes identifying common themes and patterns across mythologies, and will develop within students an understanding of critical thinking and cultural literacy.

CURRENT ISSUES
Grades 9-12 .25 Credit – 9 Weeks
Homework: 2
Prerequisites: None
This elective course is a study of events currently affecting society. Due to the ever changing nature of the world around us, these issues can and will be different from semester to semester. The course is designed to make the students more aware of the issues and how they might affect their life here in Charlotte.

MILITARY HISTORY
Grades 10-12 .25 Credit - 9 Weeks
Homework: 2
Prerequisites: None
This course will explore the strategies, struggles and changes in warfare throughout human history. This class will explore various militaries throughout history that reigned supreme on the battlefield.

CIVIL RIGHTS
Grades 11-12 .25 Credit - 9 Weeks
Homework: 2
Prerequisites: U.S. History
This elective course will examine civil rights in U.S. history beginning with the U.S. Constitution. The major focus will be on the Black Civil Rights Movement. We will also explore the status of civil rights in today's society. A research project is required.

SOCIOLOGY
Grades 11-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: U.S. History
This elective course is based on a foundation of dynamic interaction between people and their environment. Students will explore this through writing assignments, research projects, discussion, and real-life applications. Students will be able to understand the relationship between themselves and society as they study various sociological methods and practice using the skills of the sociologists.

PSYCHOLOGY
Grades 11-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: U.S. History
This elective course is the study of mental processes and behavior. This course will cover the fundamentals of Psychology, Human Development (Infancy through Adulthood), Learning and The Brain, Personality, Consciousness, and Mental Disorders. This course is helpful for college bound students, students in the Human Services Pathway, and anyone planning to work with people.

Visual Arts

DIGITAL PHOTOGRAPHY
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This course introduces students to the art and technique of photography using the camera they carry every day—their phone. Students will learn how to compose strong images, use natural and artificial light

effectively, control focus and exposure, and apply fundamental photography principles without the need for specialized equipment. Lessons emphasize creativity, visual storytelling, and the ability to see artistic possibilities in everyday environments. Students will practice photographing a variety of subjects, including portraits, landscapes, motion, still life, and macro details. They will also learn basic editing skills using mobile apps to enhance and refine their images. Through hands-on practice, class critiques, and creative challenges, students will build a portfolio of thoughtful, well-crafted photographs while gaining confidence as modern digital creators.

DRAWING 1
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This an introductory, hands-on studio course designed to build foundational skills in observation, technique, and creative expression. Students will explore the essential elements of drawing through a variety of materials such as graphite, charcoal, ink, and colored pencil. Lessons focus on line, shape, value, proportion, perspective, and composition, helping students learn how to accurately see and interpret the world around them. Students will complete exercises and finished artworks that develop their confidence and visual vocabulary, including still life, portrait studies, and imaginative compositions. Along the way, they will practice critiquing their own work and the work of others to strengthen artistic growth. No prior experience is required—just curiosity, effort, and a willingness to experiment.

DRAWING 2
Grades 10-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: Drawing 1 with a grade of C- or better
This course builds upon the foundational skills learned in Drawing 1 and challenges students to develop greater technical ability, personal style, and creative problem-solving. Students will work with advanced drawing techniques—including complex perspectives, refined shading, expressive mark-making, and mixed-media approaches. Projects will explore subjects such as detailed portraiture, dynamic figures, architectural studies, and conceptual or thematic drawing. Students will be encouraged to take artistic risks, deepen their observational accuracy, and push their ideas beyond basic representation. Regular critique and reflection help students strengthen their artistic voice and prepare for higher-level art courses.

PAINTING 1
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This course introduces students to the fundamentals of painting. Students will learn essential techniques such as color mixing, blending, layering, and brush control while working primarily with acrylics. Lessons focus on understanding color theory, value, composition, and how to plan and develop a successful painting from sketch to final piece. Emphasis is placed on developing confidence with materials, building craftsmanship, and learning how to discuss artwork through informal critiques. No prior painting experience is required—just a willingness to try new techniques and grow as an artist.

PAINTING 2
Grades 10-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: Painting 1 with a grade of C- or better
This course expands on the foundational skills learned in Painting 1 and encourages students to develop stronger technique, creativity, and personal artistic voice. Students will work with more advanced painting methods—such as glazing, palette knife application, color harmonies, and mixed-media integration—while continuing to refine their understanding of color, composition, and visual storytelling. Projects will include more complex subjects such as portraits, expressive landscapes, and thematic or concept-driven pieces. Students are challenged to experiment, solve visual problems, and take thoughtful artistic risks. Regular critiques and reflection help students strengthen craftsmanship and prepare for higher-level art courses or independent work.

PRINTMAKING 1
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This is an introductory studio art course that explores the creative possibilities of making multiple original images through traditional and contemporary printmaking techniques. Students will learn foundational processes such as relief printing, collagraph, monoprinting, and basic screen printing while developing strong craftsmanship and problem-solving skills. Emphasis is placed on design, composition, and the effective use of the elements and principles of art. Students will experiment with a variety of tools and materials, study historical and modern printmakers, and create a personal portfolio of prints that demonstrate growth, creativity, and technical skill. No prior experience is required—just curiosity, a willingness to explore, and a desire to make expressive, meaningful artwork.

PRINTMAKING 2
Grades 10-12 .25 Credit - 9 Weeks
Homework: 3
Prerequisites: Printmaking 1 with a grade of C- or better
This is an advanced studio course designed for students who have successfully completed Printmaking I and are ready to deepen their technical skills and artistic voice. Students will expand their experience with relief, monoprint, and screen printing while being introduced to more complex processes such as reduction printing, multi-layer registration, drypoint, and mixed-media printmaking. Emphasis is placed on developing personal concepts, refining craftsmanship, and making intentional design decisions. Students will engage in more independent, inquiry-based projects, learn advanced problem-solving strategies, and analyze the work of historical and contemporary printmakers to inform their own creative direction. By the end of the course, students will produce a cohesive body of prints that demonstrates technical advancement, creativity, and a growing individual artistic style.

SCULPTURE 1
Grades 9-12 .25 Credit – 9 Weeks
Homework: 3
Prerequisites: None
This course introduces students to three-dimensional art through hands-on building, carving, and creative problem-solving. Students will explore a variety of everyday materials—such as wire, paper, cardboard, and found objects—to learn fundamental construction techniques and how form, space, and structure work in 3D design. Projects emphasize craftsmanship, stability, and the transformation of simple materials into expressive sculptural works. In addition to additive sculpture, students will practice reductive methods through beginner-friendly carving in soap and soft wood, learning how to remove material safely and thoughtfully to create form. Throughout the course, students will develop spatial awareness, experiment with new materials, and participate in critiques to help strengthen their artistic decision-making. No prior experience is required—just curiosity, creativity, and a willingness to work with your hands.

SCULPTURE 2
Grades 10-12 .25 Credit – 9 Weeks
Prerequisites: Sculpture 1 with a grade of C- or better
This is an intermediate 3D art course for students who are ready to expand their sculptural skills while working primarily with affordable, accessible materials. Building on the foundations from Sculpture I, students will explore advanced construction techniques using cardboard, wire, paper, tape, found objects, recycled materials, and mixed media. The course emphasizes creative problem-solving, craftsmanship, structural integrity, and thoughtful design. Students will experiment with both representational and abstract forms, study contemporary sculptors who use unconventional materials, and develop a personal voice through more independent, concept-driven projects. By the end of the course, students will have created a diverse portfolio of innovative sculptures that demonstrate growth, imagination, and strong 3D design skills—proving that compelling art can be made from even the simplest materials.

CERAMICS
Grades 10-12 .5 Credit – 18 Weeks

Prerequisites: Drawing 1, Painting 1, or Sculpture 1 with a grade of C- or better
This course introduces students to the art and craft of working with clay. Students will learn essential hand-building techniques including pinch, coil, and slab construction. Throughout the course, they will explore surface design, glazing, and kiln processes while developing an understanding of form, function, and craftsmanship. Projects will range from functional pottery to expressive sculptural pieces, encouraging both technical growth and creative experimentation. Students will also learn to problem-solve through the clay process, from planning and building to firing and finishing. Regular critiques help students reflect on their progress and refine their artistic voice.

ADVANCED ART
Grades 10-12 .5 Credit – 18 Weeks
Homework: 3
Prerequisites: Completion of a level 1 and 2 course of any of the visual arts courses
This course is a pre-AP Studio Art course for students who are honestly and deeply involved with art and wish to increase their base of knowledge in certain media or fields and also explore new areas which will include but are not limited to 3D art beyond clay such as bookmaking.

AP ART
Grades 11-12 1 Credit – 36 Weeks
Homework: 2 – Including Pre-Class Work Due At The Beginning Of The Course
Prerequisites: Level 1 art course, Level 2 art course, Advanced Art, and art teacher's approval
AP Art is an advanced course that takes all of the basic skills learned in previous art courses to be at a more developed level. The focus of this course will be to create unique artwork using all related art media. A major emphasis will be working with different art techniques to create a portfolio for a college level class. Students are required to create a minimum of 15 pieces of work and 5 out of the portfolio must be connected by a theme/cliche.

ART INDEPENDENT STUDY
Grades 11-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Level 1 art class, level 2 art class, Adv Art and/or AP Art, and art teacher's permission
This course is for the self-directed, self-disciplined, artistically motivated student wanting to further his/her talents. The student will be asked to set up his/her own course of study. The final project for this course will be to develop an art portfolio.
Project materials will be the students' responsibility.

World Language

SPANISH 1
Grades 9-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: None
This course develops a vocabulary adequate for everyday situations, a fundamental knowledge of Spanish grammar and accurate pronunciation. Students practice reading, writing, listening and speaking Spanish within the context of basic situations. An understanding and appreciation of Spanish speaking people, cultures and lands is promoted.

SPANISH 2
Grades 9-12 .5 Credit – 18 Weeks
Homework: 2
Prerequisites: Spanish 1
This course continues the study of grammar and vocabulary, but stresses oral and written communication. Further understanding and appreciation of Spanish speaking people, their cultures, and their lands is fostered. It is recommended that Spanish I & II be taken in consecutive semesters.

SPANISH 3
Grades 10-12 .5 Credit – 18 Weeks

Homework: 1
Prerequisites: Spanish 2 with a grade of B or better; Spanish teacher recommendation (high school and/or middle school). Freshmen will ONLY be allowed in this course with instructor recommendation. This course is intended for intermediate Spanish students who have a strong base of vocabulary. Speaking and listening skills will reach a new level of mastery and fluency in this course. Spanish III uses the grammar and vocabulary students have already worked with as well as new concepts and grammar in order to master communication skills. It emphasizes improvement of one's accent and comprehension of "real world" native speech. Real examples of communication (in text or through speaking) and relevant cultural and historical topics will be explored. The high energy excitement of the content, the challenging activities and the wide variety of compelling stories contained in this course combine to make advanced learning a more engaging endeavor for the curious learner.

WORLD CULTURES
Grades 10-12 .5 Credit - 18 Weeks
Homework: 3
Prerequisites: 1 credit of a world language
This course is designed to foster global awareness and cultural understanding among high school students. This course will facilitate knowledge exchange between local students and exchange students from various countries, promoting a rich, diverse learning environment. Students will explore different cultures through direct interactions, collaborative projects, and immersive activities.

Special Education Department

FRESHMAN FOCUS
Grade 9 Credit/No Credit – 18 Weeks
This is an 18 week course that teaches academic strategies for students that can be applied to all courses of study. Students will also work on career exploration, social emotional learning, and executive functioning. We will particularly focus on note taking skills, organizational skills, increasing comprehension of text and content, study skills, math skills, and improving written communication.

ACADEMIC SKILLS
Grades 9-12 Credit/No Credit – 18 Weeks
This is a 18 week course that teaches academic strategies for students that can be applied to all courses of study. We will particularly focus on note taking skills, organizational skills, increasing comprehension of text and content, study skills, math skills and improving written communication. Through the course of the year students will apply these skills to all their classes.

CI Pre-vocational Skills

CI Life Skills

CI Health

CI English

CI Math

CI Social Studies

CI Science

Contact the Special Education Office for information about additional support services.

Other Course Options

The following courses and options are also available to students. See your counselor to determine if the option is a good fit for your career aspirations.

Dual Enrollment

Dual enrollment provides students with the opportunity to take college courses through a partner university or college outside of Charlotte High School. Students who take advantage of these opportunities can earn transcripted college credit, while also working toward their high school graduation requirements. It is a wonderful opportunity for many students, and allows them to experience the rigorous coursework of a college setting while still in high school. Dual enrollments are set up individually with students, and are governed by the following rules and regulations according to state law and the Michigan Department of Education:

Public Act 160 and Public Act 258 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. Students can qualify for dual enrollment by taking the following assessments: ACT Explore, ACT PLAN, PSAT, ACT, or SAT. Explore, PLAN and PSAT provide an indication that a student is on-track to meet college ready benchmarks. The ACT and SAT indicate college readiness. Students must demonstrate college readiness on all assessments taken to be eligible. The EXPLORE, PLAN and PSAT will be used (along with additional academic information to demonstrate college readiness) to determine eligibility for students who have not yet taken the ACT or SAT. Once taken by the student, the ACT or SAT scores will be used for dual enrollment decisions.

If the student has not achieved a qualifying score in all subject areas on the relevant assessment(s), the student may enroll in a course in a subject area for which he or she has achieved a qualifying score, or in computer science, history, political science, or world language not offered by the district. A student that has not achieved qualifying scores may enroll in a career and technical education program that is not offered by the district if the student achieves a qualifying score in mathematics. Students must be enrolled in both the eligible school (public or private) and eligible postsecondary institution during the local school's regular academic year and must be enrolled in at least 1 high school class. Students must have a block of time during the school day that is scheduled for dual enrollment to qualify for the district to pay for the course.

A student may not request a college course in a subject area that is offered at Charlotte High School (this could include courses taught through MVHS, Eaton Career Prep Center, etc.). The college course requested must be academic in nature, and must align with the student's college and career goals. Dual enrollment courses may not be in the subject matter of hobby-craft, recreation, physical education, theology, divinity, or religious education. Transportation will not be provided by the district. The student will be responsible for all transportation, parking costs and activity fees. Charlotte Public Schools will cover the tuition for this course (to include the lesser amount of 1) the actual charge for tuition and fees; or 2) the student's foundation allowance, adjusted to the portion of the school year the student attends the college. The student and parents are responsible for expenses relating to transportation, parking and additional fees.

It is the student's responsibility to register themselves for the course directly through the college once permission has been granted and the course has been approved by the counselor. Please understand this opportunity involves a great deal of commitment and student responsibility. The student will have to work with their school counselor to coordinate their high school schedule and college course schedule. Students will not be excused from their high school courses to attend a college course. If a college course cannot be scheduled without a conflict with the school schedule, the course will not be approved. The student is expected to attend the college class according to the dates and times established by the college. There may be times the student is expected to attend class at the college when high school courses are not in session. The expectation of a college class is that students attend each and every

class. It is the student's responsibility to resolve any schedule conflicts that arise. The college course may not be dropped after the designated drop with a 100% refund date established by the college.

The college will award a letter grade for the college course. This letter grade will be reported to Charlotte High School. A college course that is scheduled as part of the student's school day will result in the letter grade being reflected on the high school transcript. Students are awarded 1 high school credit per each 3-4 credit hour college course. A college transcript cannot be provided by Charlotte High School. Students must request an official transcript directly from the college.

Deadlines for requesting college courses are based on college enrollment dates. It is recommended that all requests are submitted the spring prior to the school year the student plans to enroll. Counselors are not available over the summer to approve dual enrollment courses.

Eaton Career Preparation Center

EATON RESA CAREER TECH CENTER
Grades 11-12 1.5 credits per semester; 3 credits per year
Prerequisites: Application required

Aviation Careers Institute I & II

Business/Management/Marketing/Technology Pathway

- Computer Security
- Business Academy
- Game Design and Programming
- Insurance & Risk Management
- Digital Media and Design

Engineering/Manufacturing/Industrial Pathway

- Automotive Technology I & II
- Construction Technology
- Heavy Equipment Operation and Repair (AIS)
- Robotics & Automation
- Machining & Manufacturing Technology
- Welding Technology I & II

Health Sciences Pathway

- Health Technology I & II
- Sports Medicine

Human Services Pathway

- Criminal Justice
- Law Enforcement

Natural Resources/Agriscience Pathway

- Animal Science and Zoo Management

Eaton CPC Course descriptions are available in the high school office or on the Eaton RESA website at http://www.eatonresa.org/schoolservices/careerprep/

The senior math credit requirement can be met through enrollment in a shared-time course at the Eaton CPC during senior year. Algebra 2 credit is not available through any Eaton CPC programs.

Work-Based Learning

The work-based learning program involves combining school-based preparation and supervised work experiences designed to enable students to acquire work attitudes, skills, and knowledge for a career and other life roles in real work settings. The goal of this program is to teach employability and technical skills, develop a sense of personal responsibility, explore career options, gain job specific skills, foster work-oriented relationships with adults, and understand the relevance of and application to academic learning. These experiences are aligned with students' career pathways and Vocational/Technical programs.

CTE WORK-BASED LEARNING OPPORTUNITY
Grade 12 Credits TBD
Prerequisites: Must have completed a related Career Preparation Center course or a CTE course at CHS
Seniors who have completed at least 18 weeks of a Career Preparation Center Course or a CTE course at Charlotte High School are eligible to apply for a Work Based Learning Opportunity for a semester or full year. The student must obtain the job on their own and the job must be related to their CPC or CTE course and career goal for Work Based Learning. Depending on the students' necessary graduation requirements for senior year, they may work 2-3 hours per day. The minimum requirement is 3 days per week and at least 6 hours per week and no more than 24 hours per week. Approval is through the Career Development Coordinator and all state paperwork must be filled out and signed by the CDC and Principal and a safety site visit done before starting. Time sheets must be turned in weekly for passing a grade.

Project Success

Charlotte High School's Project Success is a groundbreaking initiative designed to empower students on their journey to success. Project Success is not just a program; it's a commitment to providing students with a unique and individualized learning experience that goes beyond traditional education. This experience is designed for students who need school done differently.

Program Overview:
Project Success fosters a project-based learning environment that enables students to navigate and successfully complete the Michigan Merit high school curriculum. This program is tailored to students entering their junior or senior year, equipping them with the skills and knowledge necessary for both graduation and post-high school endeavors. One of the unique benefits of Project Success is that students can work at an individual pace.

Curriculum Design:
Our curriculum is meticulously crafted to cater to the diverse needs of individual students. Each student receives a personalized learning experience, aligning with the Michigan Merit Curriculum's graduation requirements. The focus is not just on academic achievements but on developing real-life skills essential for success in higher education, careers, and citizenship.

Admission Process:
To apply to Project Success, interested students must schedule appointments with their counselors and fill out an application. Acceptance into the program is not guaranteed; however, we encourage all eligible students to discuss the program with their School Counselor. Eligibility is based on a student's attendance, behavior, and credits. The application process includes a review of a student's attendance record, disciplinary history, and transcripts. After the admissions team discusses the student's application, a parent meeting will be scheduled to make a final determination. Selected students will have the opportunity to participate in this transformative learning experience. It's important to note that students enrolled in the Project Success program must arrange for their transportation. Due to scheduling, Career Prep Center or Dual Enrollment students are not eligible for inclusion for Project Success.

For more information or to begin the application process, please contact the Charlotte High School main office at 517.541.5600. You can also conveniently apply through our digital application found on the Charlotte Public Schools website.

Michigan Merit Curriculum Integration:
Project Success aligns with the Michigan Merit Curriculum, ensuring that students fulfill graduation requirements, including credits in English Language Arts, Mathematics, Science, Social Studies, World Language, Online Learning Experience, Physical Education & Health, and Visual, Performing, and Applied Arts.

Program Highlights:

- Multi-disciplinary Investigations: Explore relevant and engaging subjects through a multidisciplinary approach.
- 4C's Development: Foster critical thinking, communication, creativity, and collaboration skills.
- Digital & Media Literacy: Equip students with essential skills for the digital age.
- Authentic Assessments: Demonstrate proficiency through assessments that reflect real-world applications.
- Skill Standards: Align with industry standards to prepare students for success in various fields.