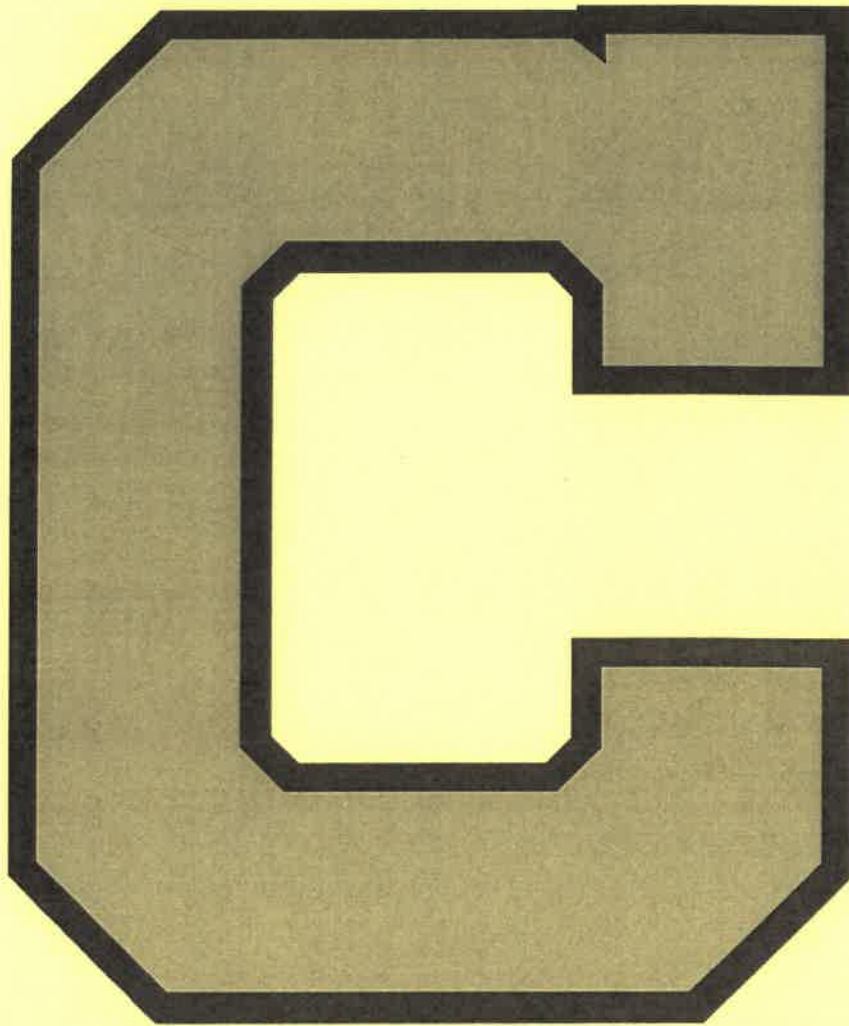


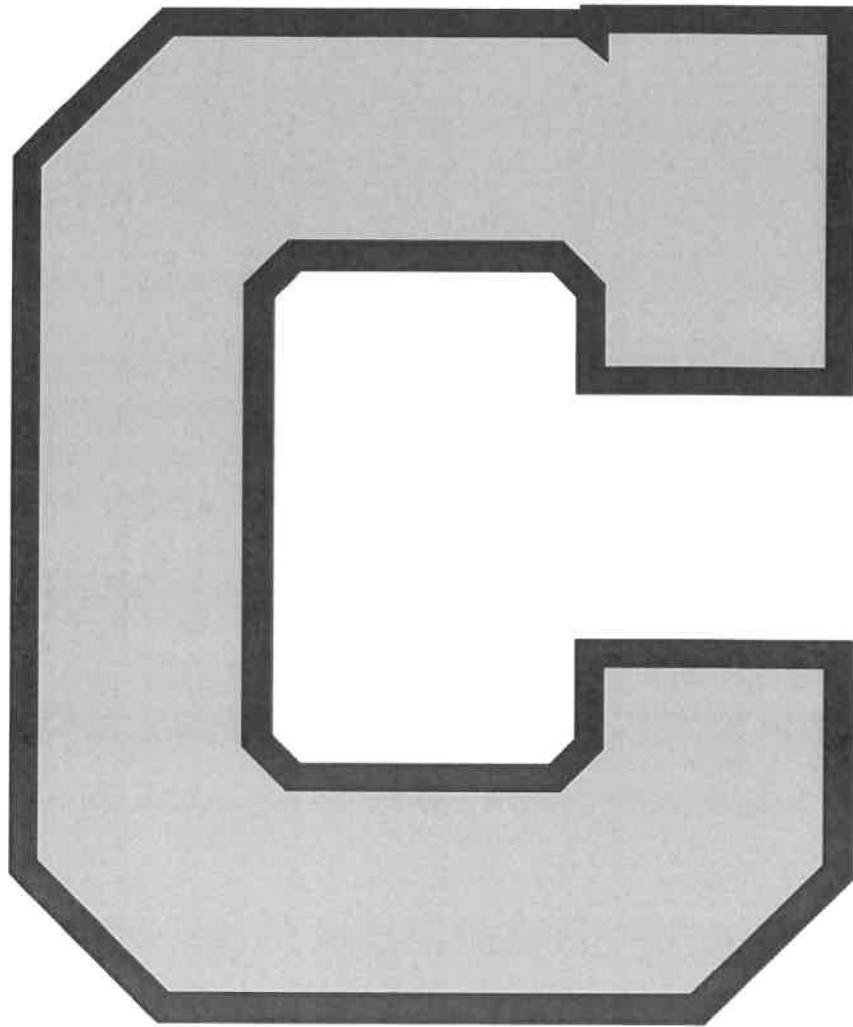
Copley High School



2022- 2023 Curriculum Guide

<http://www.copley-fairlawn.org/chs>

Copley High School



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Copley High School

High School Principal

Mr. Eric Smith

Assistant Principal

Mr. Willie Cook

Dean of Students

Athletic Director

Mr. Andy Jalwan

School Counselors

Mr. Daniel Campana A-G

Ms. Abby Neidert H-O

Mrs. Sara Plant P-Z

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GRADUATION REQUIREMENTS

The requirements for graduation from Copley High School are as follows:

Class of 2023 and Beyond

1. Course Requirements

Course Requirements	Credits
English <ul style="list-style-type: none"> Including one credit each of: English 9, English 10, English 11, and one additional English Credit 	4 Credits
Mathematics <ul style="list-style-type: none"> Including one credit of Algebra II or its equivalent 	4 Credits
Social Studies <ul style="list-style-type: none"> Including one credit of US History, one credit of World History, one-half credit of Economics and one-half credit of American Government. Economics includes the personal finance requirement 	3 Credits
Science <ul style="list-style-type: none"> With inquiry-based lab experience, including one credit each in Physical Sciences and Life Sciences and one credit in Chemistry, Physics or other Physical Science, Advanced Biology or other Life Science, Astronomy, Physical Geology or other Earth or Space Science 	3 Credits
Health	½ Credit
Physical Education** <ul style="list-style-type: none"> This requirement does not apply to those students taking PE Option. 	½ Credit
Electives*	6 Credits
Total:	21 Credits
*One elective credit must come from the areas of business, technology, fine arts or modern language. **Physical education exemption (PE Option) is available.	

AND

Show Competency:

Earn a passing score on Ohio's Algebra 1 and English 2 test. Students who do not pass the test will be offered additional support and must retake the test at least once. After you have retaken your test there are three additional options to show competency.

OPTION 1.**OPTION 2.****OPTION 3.**

Demonstrate Two Career-Focused Activities: *At least 1 of the 2 must be a foundational skill.	Enlist In the Military	Complete College Coursework
<hr/> Foundational <ul style="list-style-type: none"> ● Proficient scores on WebXams ● A 12-point industry credential ● A pre-apprenticeship or acceptance into an approved apprenticeship program Supporting Work-based learning <ul style="list-style-type: none"> ● Earn the required score on WorkKeys ● Earn the OhioMeansJobs Readiness Seal 	<hr/> <ul style="list-style-type: none"> ● Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation 	<hr/> <ul style="list-style-type: none"> ● Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program

AND

Show Readiness:

Earn two of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills and knowledge that align to your passions, interests and planned next steps after high school.

At least one of the two must be Ohio-designed:	
OhioMeansJobs Readiness Seal (Ohio)	Honors Diploma Seal (Ohio)
Industry-Recognized Credential Seal (Ohio)	Seal of Biliteracy (Ohio)
College-Ready Seal (Ohio)	Technology Seal (Ohio)
Military Enlistment Seal (Ohio)	Community Service Seal (Local)
Citizenship Seal (Ohio)	Fine and Performing Arts Seal (Local)
Science Seal (Ohio)	Student Engagement Seal (Local)

SPECIAL RECOGNITIONS

*All student honors based on cumulative 7th semester GPA:

GRADUATION HONORS

Summa Cum Laude (With Highest Honors)	4.20 and above
Magna Cum Laude (With High Honors)	3.89 – 4.19
Cum Laude (With Honors)	3.56 – 3.88

HONORS DIPLOMA CRITERIA (State of Ohio)

*Students choosing to obtain an honors diploma are responsible for scheduling courses and meeting **all but one** of the following criteria:

Math	4 Units
Science	4 Units
Social Studies	4 Units
World Languages	3 units of 1 world language, or no less than 2 units of each of 2 world languages
Fine Arts	1 unit
GPA	3.5 on a 4.0 scale using 7th semester GPA
ACT/SAT	ACT 27 or higher, SAT 1280 or higher

Math – Students must take Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course.

Science – Advanced science refers to courses that are inquiry based with laboratory experiences. They must align with the grades 11/12 standards (or above) or with an Advanced Placement science course or entry-level college course.

Social Studies – Students may get credit for both an American History course and/or the Advanced Placement American History course; the same rule applies for Government and World History.

World Language – Only credits from courses that are sequential and proficiency based (e.g., Spanish levels I, II, III or German I and II and French I and II) fulfill the honors diploma requirement. If a student opts to complete this criterion by taking *two units each of two world languages studied*, a student must complete a total of four world language units. This means two sequential, proficiency-based units in two different languages.

Fine Arts – Music, Theatre, and Art courses all count as fine arts courses.

GPA – GPAs must be calculated on an unweighted 4.0 scale.

ACT and SAT score requirements – Students must have scores of 27 or higher on the ACT or 1280 or higher on the 2016 SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included.

CAREER TECH HONORS DIPLOMA CRITERIA (State of Ohio)

*Students choosing to obtain an honors diploma are responsible for scheduling courses and meeting **all but one** of the following criteria:

Math	4 Units
Science	4 Units
Social Studies	4 Units
World Languages	2 Units of one World Language
Fine Arts	4 Units of career technical courses
GPA	3.5 on a 4.0 scale using 7th semester GPA
ACT/SAT	ACT 27 or higher, SAT 1280 or higher, WorkKeys 6 or higher on Reading for Information and a 6 or higher on Applied Information Mathematics
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.

Additional Assessment Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

Math – Students must take Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course.

Science – Advanced science refers to courses that are inquiry based with laboratory experiences. They must align with the grades 11/12 standards (or above) or with an Advanced Placement science course or entry-level college course.

Social Studies – Students may get credit for both an American History course and/or the Advanced Placement American History course; the same rule applies for Government and World History.

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Fine Arts – Music, Theatre, and Art courses all count as fine arts courses.

GPA – GPAs must be calculated on an unweighted 4.0 scale.

ACT and SAT score requirements – Students must have scores of 27 or higher on the ACT or 1280 or higher on the 2016 SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included.

Field Experience - To fulfill the field experience criterion, a student must complete a learning experience that is pertinent to his or her honors diploma area of focus. Experiential learning is focused on the application of academic and technical skills within a student's program of study. Experiential learning includes lab-based activities, co-ops, simulated workplace, mentorships, internships, Pre-apprenticeships and Apprenticeships. Lab-based experiential learning should simulate real-work worksites and expectations. Students should receive regular supervision and follow-up that is documented.

Portfolio - Work that is contained in a portfolio documents the student's extensive knowledge and technical, Critical-thinking and creative skills (representative of the student's Honor Diploma area of focus) that the student has learned. Students must get their portfolios reviewed and validated by external experts. Click [here](#) for more detailed guidance on the portfolio criterion.

Additional Assessments - Students must earn an approved industry-recognized credential or achieve a proficiency benchmark for the appropriate Ohio Career-Technical Competency Assessment or Equivalent.

NATIONAL HONOR SOCIETY

- A 3.65 GPA qualifies a junior or senior to *apply* in September.
- Teachers complete evaluations of prospective members.
- Students must be exemplary in the following core pillars: character, leadership, scholarship, and service. Weakness or *lack of strength* in one area means that they *will not* get in.
- The Faculty Council (English, World Language, Mathematics, Science, and Social Studies), will deliberate and vote. ***Note:** The Faculty Council can only make a decision based on the information that they are given at the time of deliberation via evaluations and the application.
- If a junior student does not make it and they once again have the qualifying GPA, they may re-apply their senior year. The Faculty Council looks for growth in the weak areas.
- See full NHS Selection Procedure [here](#).

SCHEDULING

SCHEDULING TIMELINE

January - February

- Counselors meet with all students to review graduation requirements and course selection options for the upcoming school year
- Teachers recommend specific core classes based on students' academic performance
- Students and parents review course options and return selection sheets
- Students enter course selections
- Counselors meet individually with students to review course selections
- **All course selections are finalized and no changes can be made after May 1st**

SCHEDULING GUIDELINES AND POLICIES

- Students should choose courses based on graduation requirements and their career goal
- No course selections can be made after May 1st
- College Credit Plus - due to college course scheduling being done in the summer, schedule changes may need to be made after the May 1st deadline
- Marketing Job Program - students accepted into the work program may have a course load less than the required 6 classes and their schedule may be changed accordingly
- Dropping Courses - Students will have 20 days to drop a full year course (1credit) at the start of the school year and 20 days to drop a semester course (.50 / .25 credit) at the start of each semester
 - Required courses can not be dropped
 - Students may not drop below the required 6 class minimum; no new courses can be added after May 1 deadline
 - Any course dropped after the twenty days will result in a "WF" (withdraw fail) on the student transcript and will be calculated in the GPA as a failure

SCHEDULING CORRECTIONS

- Schedule corrections at the start of a school year will only be made for the following reasons:
 - Computer error
 - Classroom balancing
 - Minimum course load not met
 - Course failed previously
 - Completion of summer school
 - Changes to meet graduation requirements (seniors)
 - Change necessitated by physical health of students
 - Subject-level changes by the end of the 2nd quarter (as identified by teacher of record with written support of student's needs and parent permission) *Earned grade will transfer with the student
 - Administrator changes to meet the individual needs of a student

GRADE PLACEMENT RECOMMENDATIONS

Please note that these are minimum requirements. Students following a regular program without failures should have more than the suggested minimums.

- **Tenth Grade:** A student entering the Sophomore class should have earned a total of five and one-quarter units of credit
- **Eleventh Grade:** A student entering the Junior class should have earned a total of ten and one-half units of credit
- **Twelfth Grade:** A student entering the Senior class should have earned a total of fifteen and three-quarters units of credit

MINIMUM COURSE LOAD

All students must be scheduled in a minimum of 6 classes daily and are limited to:

- a maximum of one study hall per semester
- a maximum of one physical education course per semester
- Seniors who are eligible may apply for senior option

REPETITION OF COURSE

With administrative approval, students may repeat courses in which they received a final grade of D or F. Students repeating a course may only apply it once toward their subject area requirement. The final grade earned in both courses would be used to calculate a student's grade point average.

SENIOR OPTION

Senior Option is available to eligible seniors who are on track to graduate with regard to credits and state testing. This option is a privilege that can be revoked at any time due to grades, attendance, behavior, or administrative discretion. Senior option allows students to have 2 study halls or utilize the 2nd study hall to arrive to school one period late or leave one period early if the student's schedule permits.

EARLY GRADUATION (After Semester 1)

Students must complete all course requirements and testing requirements. In addition, students must complete their senior conference with their school counselor, all school fees must be paid and an early graduation meeting must be completed.

- Students must complete and return the Early Graduation Application to the guidance office before October 1st.
- After a student graduates from Copley High School the student will be considered a "graduate" and no longer have access to services and events available to currently enrolled students.

EARNING CREDIT THROUGH SUMMER OR ONLINE COURSES

All courses and/or credits taken via summer school or online programs must have prior approval of a counselor (and/or principal) if credit is to be granted.

- Courses must be taken from an accredited program or institution.
- Grades earned via online or through summer school courses will be reported as unweighted letter grades to the student's academic transcript.

CREDIT FLEX

Students have the opportunity to utilize alternative methods to earn academic credits for graduation. Students interested in pursuing a credit flex option need to see their counselor for additional details and the required application. Applications must be received by April 30th for the Fall Semester and November 30th for the Spring Semester. All proposals must be approved prior to implementing a credit flex program. There will be no retroactive awarding of credit.

1. **Flex Out.** A student flexing out of a Copley High School class demonstrates mastery of the course content based on previous learning and experiences at the time of application. The committee will provide to the student approved requirements for the earning of credit. The student must complete a *Proposal for Credit Flexibility Application* to participate in this option. A student may use the *Flex Out* option to retake Copley High School classes they did not pass in order to recover credits needed for graduation.
2. **Flex Plan for a New Course.** By completing thirty (30) hours of coursework to earn one-quarter ($\frac{1}{4}$) credit, sixty (60) hours of coursework to earn one-half ($\frac{1}{2}$) credit or one hundred twenty (120) hours of coursework to earn one (1) credit, a student could pursue an elective area of interest that is not currently served in the Copley High School curriculum. The student must complete a *Proposal for Credit Flexibility Application* and *Plan for Assessment to Receive Credit and Grades* to participate in this option.

AP COURSEWORK

Taking AP Courses in high school can give students an advantage in preparing for college. Depending on your AP exam score; students can earn college credit, skip introductory college courses, save time and money, and show colleges you've challenged yourself with college-level work.

SUGGESTED COURSE SEQUENCING FOR ADVANCED PLACEMENT (AP) COURSES

The chart below is a planning document and does not account for master schedule conflicts that could prohibit students from taking the courses in the outlined sequence, or courses that do not run due to minimum class size requirements.

	9th Grade	10th Grade	11th Grade	12th Grade
Art	Art 1	Art 2	Art 3	Studio Art AP: Drawing / 2-D Design/3D Design
Modern Languages	French 2 (<i>French 1 in 8th Grade</i>)	French 3	French 4	French Language AP
	German 2 (<i>German 1 in 8th Grade</i>)	German 3	German 4	German Language AP
	Spanish 2 (<i>Spanish 1 in 8th Grade</i>)	Spanish 3	Spanish 4	Spanish Language AP
	Chinese 2 (<i>Chinese 1 in 8th Grade</i>)	Chinese 3	Chinese 4	Chinese Language AP
Language Arts	English 9 Honors	English 10 Honors	English 11 Honors	English Literature & Composition AP
Mathematics	Algebra 1 Advanced or Pre-AP	Geometry Advanced or Pre-AP	Algebra 2 Advanced or Pre-AP	Statistics AP*
	Geometry Pre-AP (<i>Alg 1 in 8th grade</i>)	Algebra 2 Pre-AP	Pre-Calculus Pre-AP - and - Statistics AP*	Calculus AP*
	Geometry Pre-AP (<i>Alg 1 in 8th grade</i>)	Algebra 2 Pre-AP	Pre-Calculus Pre-AP	Calculus AP - and - Statistics AP*
	Algebra 2 Pre-AP (<i>Alg 1 & Geo in 7th and 8th grade</i>)	Pre-Calculus Pre-AP	Calculus AP*	Statistics AP*
Music	Music Theory (<i>If offered</i>)	Music Theory AP* (<i>If offered</i>)	N/A	N/A
	N/A	Music Theory (<i>If offered</i>)	Music Theory AP* (<i>If offered</i>)	N/A
	N/A	N/A	Music Theory (<i>If offered</i>)	Music Theory AP* (<i>If offered</i>)
Science	Physical Science Honors	Biology Honors and/or Chemistry Honors	Chemistry Honors and/or Physics Honors and/or Biology AP* and/or Chemistry AP*	Physics Honors and/or *Biology AP and/or *Chemistry AP and/or *Physics C: Mechanics AP* and/or E & M AP
	Biology Honors	Chemistry Honors and/or Physics Honors and/or Biology AP	Physics Honors and/or *Biology AP and/or *Chemistry AP and/or *Physics C: Mechanics AP* and/or E & M AP	*Biology AP and/or *Chemistry AP and/or *Physics C: Mechanics AP* and/or E & M AP*
	*In order to take Physics AP			
Social Studies	American History Honors	World History Honors US History AP*	*European History AP -or- *US History AP -or- *World History -or- *AP Government	*AP European History -or- *AP US History -or- *AP Microeconomics -or- *AP World History -or- *AP Government

COLLEGE CREDIT PLUS (CCP)

CCP allows eligible students to take college courses on a college campus or at Copley High School (via Distance Learning) while enrolled in high school. It is the responsibility of the student to meet requirements, policies, deadlines, and procedures of each individual college. Participation in CCP is conditional based on the successful completion of the following:

1. Attend a College Credit Plus info session hosted by the school counselors. Both the student and parent must attend.
2. Return the *Intent to Participate* form by April 1 of the year prior to participation.
3. Register and take the ACT OR the SAT by February for the Fall Semester and by September for the Spring Semester.
4. Apply to the college by the deadline set by the college for College Credit Plus admission. Students pursuing this option must meet the standards for admission of the institution they wish to attend. Refer to college websites for this information as it may vary each year.
5. Provide a copy of the scheduled college classes to the high school counselor so adjustments can be made to the high school schedule.
6. Schedule adjustments to allow for CCP courses can be made at the beginning of the school year and at the semester change. Only semester elective courses can be adjusted at the semester - not year long courses.
7. If a CCP class and Copley High School class have a time conflict, students will need to prioritize which class to take.

CCP PATHWAYS

Pathways are designed as a **guide** to help plan potential coursework students **may** take through CCP. Once you are admitted to a college for CCP, you may take any course in the college's course catalogue that is not remedial or religious, and that applies toward a degree or professional certificate, in a subject area in which you are college-ready. Students must meet with a college advisor and their high school counselor to determine appropriate coursework to meet high school graduation requirements. Please see the CCP pathways on the Copley Guidance website for more information.

ATHLETIC ELIGIBILITY

Athletic eligibility is determined each grading period for all student athletes in grades 9-12. In order to participate in interscholastic events, students must meet the eligibility requirements formulated by the OHSAA: (1) passing subjects in the preceding grading period which earn a minimum of two and one-half credits per semester, (2) maintain minimum GPA, (3) be under 19 years of age as of August 1, (4) pass a physical exam, (5) be in attendance for no more than 8 semesters, regardless of whether or not athletic participation is involved during any semester, (6) summer school grades may not be counted toward eligibility, and (7) retain amateur status.

NCAA ELIGIBILITY

NCAA CLEARINGHOUSE - All prospective collegiate student-athletes must register with the NCAA Initial Eligibility Clearinghouse at www.eligibilitycenter.org. Interested students may register as early as their junior year in high school. Fee waivers are available for eligible students. **The student is responsible for reviewing NCAA eligibility requirements and register with the NCAA Clearinghouse.**

NCAA ACADEMIC ELIGIBILITY - Prospective student-athletes who enroll in a Division I or Division II college, and want to participate in athletics or receive an athletic scholarship, will have NCAA initial eligibility evaluated. Students must present a minimum required GPA (based upon a 4.0 scale) in 16 core courses; and achieve a combined SAT or ACT sum score that matches the core-course grade-point-average according to the GPA/Test Score Sliding Scale. To learn more, visit: <http://www.ncaa.org/student-athletes/future/eligibility-center>.

NCAA APPROVED CORE COURSES - A core course must be four-year college preparatory, be at or above your high school's regular academic level, and be an academic course in one or a combination of these areas: English, mathematics, natural/physical science, social science, foreign language, non doctrinal religion or philosophy. Students must check Copley High School's list of approved courses at the NCAA Clearinghouse Website at www.ncaaclearinghouse.net.

GRADE AND EXAM GUIDELINES

COPLEY HIGH SCHOOL GRADING SCALE

Letter Grade	Numerical Equivalent	Regular Quality Points	Honors Quality Points	A.P. Quality Points
A+	98-100	4.33	4.83	5.33
A	93-97	4.00	4.50	5.00
A-	90-92	3.67	4.17	4.67
B+	87-89	3.33	3.83	4.33
B	83-86	3.00	3.50	4.00
B-	80-82	2.67	3.17	3.67
C+	77-79	2.33	2.83	3.33
C	73-76	2.00	2.50	3.00
C-	70-72	1.67	2.17	2.67
D+	67-69	1.33	1.83	2.33
D	63-66	1.00	1.50	2.00
D-	60-62	0.67	1.17	1.67
F	Failing	0.00	0.00	0.00

WEIGHTED GRADES

Advanced Placement courses (AP) and College Credit Plus (CCP) offer a weighted grade (1.0 increase) for students earning an A, B, C or D. Students who enroll in AP level classes are expected to take the AP exam in the spring. Students who choose not to take this exam are not awarded the weighted grade. The fees for this exam must be paid before the end of the first semester.

Honors courses offer a weighted grade (0.5 increase) for students earning an A, B, C or D. Eligible classes include any course with “honors” or “pre-AP” in the course name, as well as Symphonic Band, Concert Chorale, and Level III & IV World Language classes.

MINIMUM FAILING GRADE

A minimum failing percentage will be enacted for a student earning a 49% or lower for a given quarter and/or exam. A student earning a 49% or lower for a given quarter and/or exam will be given a 50% on his/her report card for semester grade calculation purposes. This is a requirement of the percentage system. *A student must continue to pass two of three categories (quarter grade, quarter grade, exam grade) to earn credit for a semester course, regardless of point total.*

ROUNDING

Final quarter, exam, and semester grades will be rounded to the one's place. Example: 92.5% rounded to a 93%.

PASS-FAIL OPTION

In physical education courses the student has the option of receiving a letter grade or taking the course with a Pass or Fail grade. A failing grade will be averaged with all other grades and will lower the student's average. A “pass grade” will not be averaged into a student's grade point average.

EXAM POLICY

Exams are scheduled at the end of each semester for everyone - no exceptions. A program for **senior** exam exemption may be available for spring exams at the discretion of the administration. **Academic, attendance, and disciplinary requirements must be met for exam exemption.**

CALCULATING SEMESTER GRADES

Semester grade is calculated by using a weighted average. Each quarter grade carries a 40% weight ($\frac{2}{5}$) and the semester exam carries a 20% weight ($\frac{1}{5}$). Remember exams make up 20% of your semester grade. If you pass two of the three (Quarter 1, Quarter 2 or the Exam) you can still pass the class for the semester. Try your best and work hard! Semester grades can be calculated via the following methods:

Method 1

FORMULA				EXAMPLE			
	Grade % for Quarter	x 0.4			93%	x 0.4 =	37.2%
	Grade % for Quarter	x 0.4			83%	x 0.4 =	33.2%
+	Grade % for Exam	x 0.2		+	83%	x 0.2 =	16.2%
=	Final Semester Grade			+	87% = B+		

Method 2

FORMULA				EXAMPLE			
	Grade % for Quarter	x 2			93%	x 2 =	186
	Grade % for Quarter	x 2			83%	x 2 =	166
+	Grade % for Quarter	x 1		+	83%	x 1 =	83
	Final Semester Grade = total points divided by 5				435 divided by 5 = 87% = B+		

MATHEMATICS COURSES

Copley High School Mathematics Curriculum

Four (4) credits required, including one (1) credit of Algebra II

Grade	Pathway 1	Pathway 2	Pathway3	Honors/AP Pathway
9th	Algebra 1 ↓	Algebra 1 Advanced ↓	Algebra 1 Pre-AP ↓	Geometry Pre-AP ↓
10th	Geometry ↙ ↘	Geometry Advanced ↓	Geometry Pre-AP ↓	Algebra 2 Pre-AP ↓
11th	Intermediate Algebra ↓ OR Algebra 2 ↓	Algebra 2 Advanced ↓	Algebra 2 Pre-AP ↓	Pre-Calculus Pre-AP & Statistics AP ↓
12th	Algebra 2 College Math OR Prob Stat/Trig	Pre-Calculus OR Prob Stat/Trig	Pre-Calculus Pre-AP & Statistics AP	Calculus AP

Elective Math Courses Suggested for 11th/12th Grade: *Probability & Statistics (½ credit)*
Trigonometry (½ credit)
Topics in Problem Solving (½ credit)

Guidance for selecting the “Pathway” that best meets your needs.

- Pathway 1 for math courses is designed for students to meet the Ohio Core standards for mathematics. The Ohio Core standards state that students must earn four credits of math, one of which is Algebra 2 level. Furthermore, students must take Geometry to be able to take the required Geometry End-of- Course exam.
- Pathway 2 for math courses is designed for students to meet and exceed the Ohio Core standards. This level is designed for the student who may hope to study a math related field like business at the collegiate level.
- Pathway 3 and the Honors/AP Pathway for math courses are also designed for students to meet and exceed the Ohio Core standards. These levels are designed for the student who may hope to study a math focused field like engineering at the collegiate level.
- Additionally, the “Honors/AP Pathway” for math courses is designed for students to meet and exceed the Ohio Core standards. Furthermore, it is designed to prepare students for taking Calculus Advanced Placement, as well as Chemistry Advanced Placement and Physics Advanced Placement .

Notes

- All students are required to have a Texas Instruments scientific calculator, model TI-30XII S or higher (see individual class requirements). Many classes require a graphing calculator.
- Students cannot take any combination of courses with the same title, such as “Algebra 2” and “Algebra 2 Advanced” for additional credit.

EXTENDED STANDARDS MATH 9**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

Utilizing the Ohio's Learning Standards - Extended for High School, this course is designed for students in the 9 through 12 grades. This course covers concepts such as Numbers & Quantity, Algebra, Functions, Geometry and Statistics & Probability. This is a 4 year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 4 credits over a 4 year time period.

**This course is not included in the calculation of grade point average.*

ALGEBRA 1- PART 1**1 Year/2 Mods****1 credit****Prerequisite:** Teacher Recommendation

This course is designed for freshmen with the recommendation for it. Algebra 1- Part 1 covers the first half of Algebra 1 for students that need more time and a slower pace to master the fundamental concepts of Algebra 1. These concepts include variables, signed numbers, formulas, polynomial expressions, graphs, and equations in one or two variables, inequalities, radical expressions, and quadratic equations. This course is designed with an emphasis on practice and conceptual understanding.

ALGEBRA 1- PART 2**1 Year/2 Mods****1 credit****Prerequisite:** Teacher Recommendation

This course is designed for sophomores with the recommendation for it. Algebra 1- Part 2 covers the second half of Algebra 1 and is a continuation of Algebra 1, part 1. It is designed for students that need more time and a slower pace to master the fundamental concepts of Algebra 1. These concepts include variables, signed numbers, formulas, polynomial expressions, graphs, and equations in one or two variables, inequalities, radical expressions, and quadratic equations. This course is designed with an emphasis on practice and conceptual understanding.

ALGEBRA 1**1 Year/2 Mods****1 credit****Prerequisite:** Teacher Recommendation

This course is designed for freshmen with the recommendation for it. Algebra 1 covers concepts such as variables, signed numbers, formulas, polynomial expressions, graphs, and equations in one or two variables, inequalities, radical expressions, and quadratic equations. This course is designed with an emphasis on practice and conceptual understanding.

ALGEBRA 1 ADVANCED**1 Year/2 Mods****1 credit****Prerequisite:** Teacher Recommendation

This course is designed for freshmen with the recommendation for it. Algebra 1 Advanced covers basic algebraic concepts such as variables, properties of real numbers, formulas, polynomial functions – particularly linear equations, graphs, equations in one or two variables, inequalities, radical expressions, and quadratic equations. A balance between theory and application is maintained throughout the course.

ALGEBRA 1 PRE – AP**1 Year/2 Mods****1 credit****Prerequisite:** Teacher Recommendation

This course covers the same topics as Algebra 1 and Algebra 1 Advanced. Each topic is considered in greater depth. More difficult problems are used, and the pacing is quicker. Other areas considered are extensive factoring, solving systems with three variables, analysis of parabolas, and working with rational expressions and equations. Students are expected to work with fractions, decimals, and integers without the use of a calculator. This class is designed to prepare students for the rigor of Advanced Placement mathematics classes.

EXTENDED STANDARDS MATH 10**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

Utilizing the Ohio's Learning Standards - Extended for High School, this course is designed for students in the 9 through 12 grades. This course covers concepts such as Numbers & Quantity, Algebra, Functions, Geometry and Statistics & Probability. This is a 4 year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 4 credits over a 4 year time period.

**This course is not included in the calculation of grade point average.*

GEOMETRY**1 Year/2 Mods****1 credit****Prerequisite:** Sophomore Standing

Geometry uses deductive reasoning and proof to develop a mathematical system involving various geometric figures in the plane and in space. The properties of parallelism, congruence, and similarity are applied in this study. Coordinate and transformational methods are also used. This course is designed with an emphasis on practice and conceptual understanding.

GEOMETRY ADVANCED**1 Year/2 Mods****1 credit****Prerequisite:** B or higher in Advanced Algebra 1 or Teacher Recommendation

Geometry Advanced uses deductive reasoning and proof to develop a mathematical system involving various geometric figures in the plane and in space. The properties of parallelism, congruence, and similarity are applied in this study. Coordinate and transformational methods are also used. A balance between theory and application is maintained throughout the course.

GEOMETRY PRE – AP**1 Year/2 Mods****1 credit****Prerequisite:** B or higher in Algebra 1 Pre-AP or Teacher Recommendation**Prerequisite current Algebra 1 Advanced student:** A average or Teacher Recommendation

The same geometric concepts are studied as in Geometry Advanced, but more emphasis is placed on proof, analytic and transformational methods. There is some exposure to non-Euclidean geometries. This class is designed to prepare students for the rigor of Advanced Placement mathematics classes.

EXTENDED STANDARDS MATH 11**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

Utilizing the Ohio's Learning Standards - Extended for High School, this course is designed for students in the 9 through 12 grades. This course covers concepts such as Numbers & Quantity, Algebra, Functions, Geometry and Statistics & Probability. This is a 4 year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 4 credits over a 4 year time period.

**This course is not included in the calculation of grade point average.*

INTERMEDIATE ALGEBRA**1 Year/2 Mods****1 credit****Prerequisite:** Junior Standing AND Algebra 1 or Advanced Algebra 1

This course is designed for juniors who did not earn an A in Algebra 1 or had difficulty with Algebra 1 Advanced. Intermediate Algebra is considered a moderately rigorous Algebra 1 ½ class. This course reviews the main concepts of Algebra 1 and offers the opportunity for the student to master these concepts before scheduling either Algebra 2, Advanced Algebra 2 or College Math as a senior. Concepts covered in Intermediate Algebra are radicals with indices other than two, functions, and theory of equations.

EXTENDED STANDARDS MATH 12**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

Utilizing the Ohio's Learning Standards - Extended for High School, this course is designed for students in the 9 through 12 grades. This course covers concepts such as Numbers & Quantity, Algebra, Functions, Geometry and Statistics & Probability. This is a 4 year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 4 credits over a 4 year time period.

**This course is not included in the calculation of grade point average.*

ALGEBRA 2**1 Year/2 Mods****1 credit****Prerequisite:** Intermediate Algebra or Teacher Recommendation

Algebra 2 is a continuation of Algebra 1. Topics explored will include functions and their graphs. Linear, polynomial, rational, exponential, and logarithmic functions will be investigated. This course is designed with an emphasis on practice and conceptual understanding.

ALGEBRA 2 ADVANCED**1 Year/2 Mods****1 credit****Prerequisite for current Geometry Advanced student:** B or higher and B or higher in Algebra 1 Advanced or Teacher Recommendation

Algebra 2 Advanced is a continuation of Algebra 1 Advanced. Topics explored will include functions and their graphs. Linear, polynomial, rational, exponential, and logarithmic functions will be investigated. A balance between theory and application is maintained throughout the course.

ALGEBRA 2 PRE – AP**1 Year/2 Mods****1 credit****Prerequisite for current Geometry Pre-AP student:** B or higher in both Geometry Pre-AP and Algebra 1 Pre-AP or Teacher Recommendation**Prerequisite for current Geometry Advanced student:** A average in both Geometry Advanced and Algebra 1 Advanced or Teacher Recommendation**Calculator Requirement:** TI – 84, TI – 89, or TI-nspire calculator

Algebra 2 Pre-AP is a continuation of Algebra 1 Pre-AP. Topics will include functions and their graphs. Linear, polynomial, rational, exponential, and logarithmic functions will be investigated, as well as an introduction to trigonometric functions.

Algebra 2 Pre-AP will be conducted at a brisk pace, and covers many topics also covered in Algebra 2 Advanced. The course also includes an introduction to analytical trigonometry and an introduction to the use of a graphing calculator, particularly for problem solving. This class is designed to prepare students for the rigor of Advanced Placement mathematics classes. **Summer Assignment Required.**

COLLEGE MATH**1 Year/2 Mods****1 credit****Prerequisite:** Senior Standing and Algebra 2**Calculator Requirement:** A TI-83 or TI-84 calculator is suggested (Classroom set available in school)

College Math is designed for those seniors who need a comprehensive study of math to prepare them for college level mathematics, as an alternative for students that are not recommended for Pre-Calculus or Pre-Calculus Pre-AP. The course is highly computational; with a strong emphasis on functions and their applications (linear, quadratic, polynomial, rational, exponential, and logarithmic functions will be covered). Other topics include radicals, complex numbers, matrices, and conic sections.

PRE-CALCULUS**1 Year/2 Mods****1 credit****Prerequisite:** B or higher in Advanced Algebra 2 or Teacher Recommendation

This course is the culmination of the "Advanced" Pathway in mathematics, and deals with general properties of functions, functional notation, and the graphing of functions. The basic functions studied are: algebraic, exponential and logarithmic, and trigonometric functions and their inverses. There is a major emphasis on the study of trigonometry. The second semester emphasizes analytic geometry, vectors, conics, parametric equations, and polar coordinates, as well as the Binomial Theorem and its applications to other topics in mathematics.

PRE-CALCULUS PRE – AP**1 Year/2 Mods****1 credit****Prerequisite current Algebra 2 Pre-AP student :** B or higher or Teacher Recommendation**Prerequisite current Algebra 2 Advanced student:** A average or Teacher Recommendation**Calculator Requirement:** TI-84, TI-89, or TI-nspire

This course studies the algebraic, exponential, logarithmic and trigonometric functions. It also continues the emphasis of analytic geometry begun in Algebra 2 Pre-AP. There is a major emphasis put on the study of trigonometry, and its many uses in problem solving. The students are introduced to the basic theorems of Calculus through the use of limit theory. Pre-Calculus Pre-AP is an advanced level course designed to prepare for Calculus AP. **Summer Assignment Required.**

CALCULUS AB AP**1 Year/2 Mods****1 credit****(Advanced Placement)****Prerequisite:** A average or higher in Pre-Calculus or C or higher in Pre-Calculus Pre-AP or Teacher Recommendation**Calculator Requirement:** TI-89 or TI-nspire

Calculus AB Advanced Placement is offered to students with exceptional mathematical ability. They must have completed the previous Pre-AP courses and be recommended by their teacher. This course is equivalent to a Calculus 1 course at the college level. **Summer Assignment Required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$95) is charged for this exam.

Credit *cannot* be earned for both Calculus AB AP and Calculus BC AP.

CALCULUS BC AP**1 Year/2 Mods****1 credit****(Advanced Placement)****Prerequisite:** A or higher in Pre-Calculus Pre-AP or Teacher Recommendation**Calculator Requirement:** TI-89 or TI-nspire

Calculus BC Advanced Placement is offered to students with exceptional mathematical ability. They must have completed the previous Pre-AP courses and be recommended by their teacher. This course is an accelerated calculus course and is equivalent to a semester of Calculus 1 and Calculus 2 at the college level. **Summer Assignment Required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$95) is charged for this exam.

Credit *cannot* be earned for both Calculus AB AP and Calculus BC AP.

STATISTICS AP**1 Year/2 Mods****1 credit****(Advanced Placement)****Prerequisite:** B or higher in Algebra 2 Advanced or Probability & Statistics or Teacher Recommendation**Calculator Requirement:** TI – 83, TI – 84, TI – 89, or TI-nspire

Statistics Advanced Placement is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Statistics AP is designed for students who have been successful in mathematics at the Pre-AP or College Preparatory level. Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

Students who take Statistics Advanced Placement will learn how to use technology in analyzing data, including the statistical software MINITAB and graphing calculator applications. **Summer Assignment Required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$95) is charged for this exam.

INTRODUCTION TO PROBABILITY & STATISTICS**1 Semester/2 Mods****½ credit****Prerequisite:** B or higher in Intermediate Algebra or concurrent enrollment in Algebra 2; Sophomore, Junior, or Senior Standing

This course is designed to be a general introduction to modern statistics and probability for students in all academic areas, particularly college bound students. It presents the basic statistical ideas needed in such areas as sociology, economics, business, education, medicine, psychology, and mathematics. A balanced emphasis is placed on calculation, interpretation, and investigation through activities and projects.

Introduction to Probability & Statistics is an excellent introduction for Sophomore or Junior level students, who are interested in taking Advanced Placement Statistics, but are unsure if they will be successful in that course. Introduction to Probability & Statistics is also an excellent preparation for college bound statistics, since most major fields of study require statistics at the university level.

TOPICS IN PROBLEM SOLVING**1 Semester/2 Mods****½ credit****Prerequisite:** Junior or Senior Standing; C or higher in Algebra 1 and C or higher in Geometry or Teacher Recommendation

This course is designed for the student who has ever wondered, “When am I going to use this in everyday life?” In Topics in Problem Solving, students will learn how to apply algebraic concepts (such as linear, quadratic, and exponential relations) to solve practical problems. Some review of algebraic concepts will be included, but the emphasis of this course is on the application of topics learned in other algebra classes. The class will have many non-traditional approaches to mathematics such as labs and projects, as well as some traditional algebra problem solving. Some topics covered will be the mathematics in purchasing a home, the mathematics in insurance options, models and patterns in Art and Architecture, and an introduction to modeling with statistics.

TRIGONOMETRY**1 Semester/2 Mods****½ credit****Prerequisite:** Junior or Senior Standing; B or higher in Algebra 2 or Teacher Recommendation

This course is a comprehensive study of trigonometric concepts. This includes using angles, lengths, and the relationships between them to describe physical phenomena. Other topics that may be explored are analytical trigonometry, vector analysis, parametric equations and polar coordinates. This course is strongly encouraged for students who plan to attend college but have not or will not take Pre-Calculus at any level.

*This course CANNOT be taken by a student who is currently taking any level of Pre – Calculus, or by any student who has successfully completed any level of Pre – Calculus with a B or better.

The combined courses of Trigonometry and Introduction to Probability & Statistics can be alternatives for seniors recommended for College Math or Pre-Calculus

SCIENCE COURSES

Copley High School Science Curriculum

Three (3) credits required, including one (1) credit of life science (Biology) and one (1) credit of Physical Science (Physical Science OR Chemistry OR Physics)

The science curriculum at Copley High School promotes scientific inquiry, critical thinking, and quantitative reasoning. Through the integration of traditional instruction, collaborative problem-solving, independent thinking, and authentic laboratory experiences, students are able to explore and master concepts in a safe learning environment. Students acquire the skills to become lifelong learners and responsibly navigate a world that is increasingly dependent on science, technology, and engineering.

- Taking four years of science is required for an honors diploma and is highly recommended.
- Chemistry and Physics are **strongly** encouraged for students planning on going to college even if they do not plan to major in a scientific career. The skills in these courses will help prepare you for the ACT and SAT.
- AP Course Notes:
 - Completion of the honors version of the AP class is recommended. For example, you should take "Biology Honors" before "Biology AP".
 - If taking Physics AP, you must choose between Physics C: Mechanics AP (1 AP test) OR Physics C: with Electricity and Magnetism AP (2 AP tests).

Grade	Pathway 1	Pathway 2	Honors Pathway		AP Pathway
9th	Physical Science <i>Concurrent math: Algebra 1</i>	Physical Science <i>Concurrent math: Algebra 1 or higher</i>	Physical Science Honors <i>Concurrent math: Algebra 1 Pre-AP or higher</i>	Biology Honors <i>Concurrent math: Geometry Advanced or higher</i>	Biology Honors <i>Concurrent math: Geometry Advanced or higher</i>
10th	Biology <i>Concurrent math: Geometry</i>	Biology <i>Concurrent math: Geometry Advanced</i>	Biology Honors <i>Concurrent math: Geometry Advanced or higher</i>	Chemistry Honors <i>Concurrent math: Algebra 2 Advanced or higher</i>	Chemistry Honors AND Physics Honors <i>Concurrent math: Algebra 2 Advanced or higher</i>
11th	Select TWO of the following: Forensics 1 Forensics 2 Astronomy Physical Geology	Chemistry <i>Concurrent math: Algebra 2 or Intermediate Algebra</i>	Chemistry Honors <i>Concurrent math: Algebra 2 Advanced or higher</i>	Physics Honors Completion or concurrent enrollment of Algebra 2 Advanced AND Anatomy & Physiology Honors	Choose any combination of the following: AP Biology AP Chemistry AP Physics C: Electricity and Magnetism OR Mechanics
12th	Physical Geology OR Select TWO of the following: Forensics 1 Forensics 2 Astronomy	Physics <i>Concurrent math: Algebra 2 or Intermediate Algebra</i>	Physics Honors Completion or concurrent enrollment of Algebra 2 Advanced AND Anatomy & Physiology Honors	Choose any combination of the following: Biology AP Chemistry AP Physics C: Electricity and Magnetism AP OR Mechanics AP Anatomy & Physiology Honors	Choose any combination of the following: Biology AP Chemistry AP Physics C: Electricity and Magnetism AP OR Mechanics AP

SCIENCE COURSES

EXTENDED STANDARDS SOCIAL SCIENCE 9

1 Year/2 Mods

1.5 credit

Prerequisite: IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

**This course is not included in the calculation of grade point average.*

PHYSICAL SCIENCE

1 Year/2 Mods

1 credit

Physical Science is an introduction to chemistry and physics. This foundational high school science course covers the following topics: Classification of Matter, Atoms, Periodic Trends of the Elements, Bonding and Compounds, Reactions of Matter, Conservation of Energy, Transfer and Transformation of Energy (including work), Waves, Thermal Energy, Electricity, Motion, Forces, Dynamics (how forces affect motion), History of the Universe, Galaxy Formation and Stars. Physical Science is a college prep course that meets CHS and Ohio Graduation requirements as well as Ohio Model Curriculum Standards for science. Critical thinking, problem-solving and inquiry-based lab activities are emphasized.

PHYSICAL SCIENCE HONORS

1 Year/2 Mods

1 credit

Prerequisite/Corequisite: Algebra 1 Advanced and Teacher Recommendation

This foundational high school science course covers the following topics: Classification of Matter, Atoms, Periodic Trends of the Elements, Bonding and Compounds, Reactions of Matter, Conservation of Energy, Transfer and Transformation of Energy (including work), Waves, Thermal Energy, Electricity, Motion, Forces, Dynamics (how forces affect motion), History of the Universe, Galaxy Formation and Stars. Physical Science is a college prep course that exceeds CHS and Ohio Graduation requirements as well as Ohio Model Curriculum Standards for science. A greater emphasis will be placed on critical thinking, advanced problem-solving and inquiry-based lab activities. *This course is recommended for all CHS honors students and future college students who plan to major in science, mathematics, and technology.*

EXTENDED STANDARDS SOCIAL SCIENCE 10

1 Year/2 Mods

1.5 credit

Prerequisite: IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers social studies concepts such as American History, American Government, Modern World History, Economics & Financial Literacy, Contemporary World Issues and World Geography. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

**This course is not included in the calculation of grade point average.*

BIOLOGY

1 Year/2 Mods

1 credit

Biology is the study of the nature and continuity of life. Areas of study include biochemistry, cell biology, genetics, energy transformations, ecology and organisms, and evolution. Laboratory experiments are included in the class.

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

BIOLOGY HONORS

1 Year/2 Mods

1 credit

Prerequisite current Physical Science Honors student: Teacher Recommendation or B or higher in Physical Science Honors AND Completion of Algebra 1 Advanced

Prerequisite current Physical Science student: A average or Teacher Recommendation AND Completion of Algebra 1 Advanced

In addition to the content of Biology, honors is an in depth approach which encourages independent learning. Biology Honors includes an exploration of biochemical processes, and the study of genetics. Additional labs are performed. This course covers necessary topics required for those wishing to take the Advanced Placement course.

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

BIOLOGY AP

1 Year/3 Mods

1 credit

(Advanced Placement and Lab*)

Prerequisite current Biology Honors or Chemistry Honors student: B or higher or Teacher Recommendation **OR**

Prerequisite: Honors Physical Science grade of A first semester AND teacher recommendation

This second year course is a college-level survey of biology. Topics covered include biochemistry, cellular energetics, heredity, evolution, molecular genetics, phylogeny, organisms and populations. Laboratory investigations are part of the curriculum. Due to the lab requirement, this class is 3 mods in duration. According to College Board course audit requirements, "laboratory experience must be included in all Biology AP courses. Since one-fourth to one-third of the credit in most college introductory biology courses is derived from laboratory work, it follows that the same degree of emphasis should be placed on laboratory experience in an AP course." **Summer Assignment Required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$95) is charged for this exam.

EXTENDED STANDARDS SOCIAL SCIENCE 11

1 Year/2 Mods

1.5 credit

Prerequisite: IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

****This course is not included in the calculation of grade point average.***

CHEMISTRY

1 Year/2 Mods

1 credit

Prerequisite: Enrollment in Algebra 2 OR Intermediate Algebra; successful completion of Physical Science and a C average or higher in Biology

Chemistry is the study of energy and interactions of matter. It includes investigations of the mole concept, chemical bonding, reaction mechanisms, acids and bases, and atomic and nuclear theory.

CHEMISTRY HONORS

1 Year/2 Mods

1 credit

Prerequisite current Biology Honors student: B or higher in Biology Honors or Teacher Recommendation; Concurrent or completion of Algebra 2 Advanced.

Prerequisite current Biology student: A average or Teacher Recommendation

Chemistry is the study of energy and interactions of matter. This course includes investigations of the atomic theory, mole concept, chemical bonding, reaction mechanisms, acids and bases, and nuclear reactions. Chemistry Honors is for students who have a strong interest in science, and who require a more detailed understanding of the nature of chemical reactions, quantitative and qualitative analysis, and of matter - energy relationships. Students who plan on taking Chemistry AP need to take Chemistry Honors. This course covers necessary topics required for those wishing to take the Advanced Placement course.

CHEMISTRY AP

1 Year/3 Mods

1 credit

(Advanced Placement and Lab*)

Prerequisite current Chemistry Honors student: B or higher or Teacher Recommendation; Enrollment in or completion of Physics is highly recommended (not required); Successful Completion of Algebra 2 Pre-AP

This second year chemistry course is a college level general chemistry course. The topics covered in first year chemistry are extended with a greater emphasis on mathematics, inquiry lab techniques, formal writing and independent study. Laws and theories underlying chemical behavior are examined thoroughly. Due to the lab requirement, this class is 3 mods in duration. According to College Board course audit requirements, "laboratory experience must be included in all Chemistry AP courses. Since one-fourth to one-third of the credit in most college introductory chemistry courses is derived from laboratory work, it follows that the same degree of emphasis should be placed on laboratory experience in an AP course (College Board, 2008)." **Summer Assignment Required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$95) is charged for this exam.

PHYSICS

1 Year/2 Mods

1 credit

Prerequisite: Completion or concurrent Algebra 2 or Intermediate Algebra 2

Physics is an algebra-based study of classical mechanics, wave motion, electricity, and magnetism. Topics covered include Linear Motion, 2-Dimensional Motion, Newton's Laws, energy, waves, and current electricity. Laboratory experiments are included in this course.

PHYSICS HONORS

1 Year/2 Mods

1 credit

Prerequisite Current Chemistry Honors student: B or higher or Teacher Recommendation. Completion or concurrent enrollment of Algebra 2 Advanced. Recommended concurrent enrollment in Pre-Calculus.

Prerequisite current Chemistry student: A average or Teacher Recommendation

This course is an in-depth study of the content included in the regular Physics course. Physics Honors will require students to solve problems of higher complexity than those in the Physics course. This course covers necessary topics required for those wishing to take the Advanced Placement course.

PHYSICS C: Mechanics AP

1 Year/2 Mods

1 credit

(Advanced Placement and Lab*)

Prerequisite: B or higher in Physics Honors; Enrollment in or completion of Calculus AP; or Teacher Recommendation

Calculator Requirement: TI-89 or TI-nspire

This course is offered to students with exceptional STEM ability. They must have completed the previous Physics Honors courses and be recommended by their teacher. This course is equivalent to a one semester physics course at the college level. *According to College Board course audit requirements, "laboratory experience must be part of the education of AP Physics students and should be included in all AP Physics courses, just as it is in introductory college physics courses." **Summer Assignment Required. All students who enroll in an AP course are expected to take the AP exam in the**

Spring. A fee (approximately \$95) is charged for this exam.

PHYSICS C: MECHANICS WITH ELECTRICITY AND MAGNETISM AP

1 Year/3 Mods

1 credit

Prerequisite: B or higher in Physics Honors, Enrollment in or completion of Calculus AP; or Teacher Recommendation

Calculator Requirement: TI-89 or TI-nspire

This class is offered to students with exceptional STEM ability. They must have completed the previous Physics Honors courses and be recommended by their teacher. This accelerated course is equivalent to two semesters of physics at the college level. Due to the lab requirement, this class is 3 mods in duration. According to College Board course audit requirements, "laboratory experience must be included in all Chemistry AP courses. Since one-fourth to one-third of the credit in most college introductory chemistry courses is derived from laboratory work, it follows that the same degree of emphasis should be placed on laboratory experience in an AP course (College Board, 2008)." **Summer Assignment Required. All students who enroll in this AP course are expected to take both AP exams in the Spring. There are two separate AP tests for this course, one for Mechanics and one for Electricity and Magnetism. A fee (approximately \$95) is charged for each of these exams.**

EXTENDED STANDARDS SOCIAL SCIENCE 12

1 Year/2 Mods

1.5 credit

Prerequisite: IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span. ****This course is not included in the calculation of grade point average.***

PHYSICAL GEOLOGY

1 Semester/2 Mods

1/2 credit

Prerequisite: Junior or Senior Standing; Successfully completed Physical Science and Biology

This semester long course is designed to provide students with a basic introduction to Physical Geology and Earth Sciences through lectures, projects, and activities. It will cover the basic structure and properties of minerals. It will discuss the rock cycle and the formation and properties of Igneous, Metamorphic and Sedimentary rocks. A historical aspect of the class will look at: 1. The formation of the Earth will involve a look at the beginning of the planet and Earth's development and changes during the past 4.6 billion years. 2. Geologic time with major events highlighted. 3. Evidence supporting the age of 4. Earth including fossil, glacial, stratigraphic and other records. Geologic principles and laws will be studied as a means to understand plate tectonic theory. Students will also study processes at Earth's surface including weathering and erosion. The course is intended for those students who have an interest in the Geologic Sciences and who have the motivation to study and do class work in school and independently.

FORENSIC SCIENCE 1

1 Semester/2 Mods

1/2 credit

Prerequisite: Junior or Senior Standing; Successfully completed Physical Science and Biology

In the past several years, true crime popularity has exploded. If you are morbidly curious or interested in true crime, it is important to understand the science behind it. Forensic Science 1 is a course investigating the science used in Forensics. Students will observe, examine, collect, and analyze different types of evidence used in criminal investigations and trials. Topics will include hair analysis, fingerprinting, blood composition, blood spatter, and Forensic Science careers. Students will also apply crime scene investigation knowledge to high profile cases, including JonBenet Ramsey and OJ Simpson.

FORENSIC SCIENCE 2

1 Semester/2 Mods

1/2 credit

Prerequisite: Junior or Senior Standing; B or higher in Forensic Science 1 or Teacher Recommendation

Forensic Science 2 is a course that continues to build on the evidence collected, analyzed, and used in criminal investigations, including DNA profiling and criminal profiling. Students also will be introduced to criminal law and the

justice system process. The second half of the course focuses on the application of Forensics principles to the research, investigation, and outcome of criminal cases; some high profile, some controversial, and some forgotten. This includes serial killers, cold cases, and missing person cases; as well as the specific cases of Casey Anthony, Scott Peterson, and Adnan Syed. Students will also dive into the world of podcasting by creating, recording, and producing their own true crime podcasts.

ASTRONOMY

1 Semester/2 Mods

1/2 credit

Prerequisite: Junior or Senior Standing; Successfully completed Physical Science and Biology

This course introduces students to the composition and structure of the universe. This course provides students with a comprehensive study of the universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to: historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

METEOROLOGY

1 Semester/2 Mods

1/2 credit

Prerequisite: Junior or Senior Standing; Successfully completed Physical Science and Biology

This course is designed to provide students with an understanding of the dynamic processes at play within the Earth's fluid atmosphere and the role of these processes in producing weather. Topics covered in the course include: the structure and characteristics of the atmosphere, the Earth/Sun relationships and their influence on the seasons, solar and terrestrial radiation, the hydrologic cycle, the gas laws, global circulation, weather systems and fronts, storms and analysis of weather maps.

ANATOMY AND PHYSIOLOGY HONORS

1 Year/2 Mods

1 credit

Prerequisites: B or higher in Biology AND successful completion of Chemistry or Teacher Recommendation

Emphasis in this course is an in-depth study of the human body. The course will provide a detailed analysis of the structure and function of the body systems as well as their relationships to one another. The focus will be on an introduction to anatomy and physiology, integumentary system, skeletal system, muscular system, nervous system, and special senses. More in depth study of the endocrine system, lymphatic system, blood, cardiovascular system, respiratory system, digestive system, and the urinary system will occur. Anatomy and Physiology is recommended for students with an interest in human biology, pre-veterinary and health-related fields.

COPLEY HIGH SCHOOL COURSE DESCRIPTIONS

ENGLISH COURSES

Grade	Pathway 1	Honors/AP Pathway
9	English 9	English 9 Honors
10	English 10	English 10 Honors
11	English 11	English 11 Honors
12	English 12 or Senior Composition or 2 semester offerings or a full year of Journalism.	English Lit & Comp AP

4 credits of English are required for Graduation

Current Semester Electives offered:

Speech (9-12)
Mass Media (10-12)
Mythology (10-12)
Creative Writing (10-12)
African American Literature (11-12)

Full year elective

Journalism (10-12)

EXTENDED STANDARDS ENGLISH 9

1 Year/2 Mods

1 credit

Prerequisite- IEP Required

This course utilizes the Ohio Learning Standards - Extended for High School, and is designed for students in the 9 through 12 grades. This course applies reading, writing, and language skills with real-world functional reading units such as Schedules, Bills/Statements, Applications, Websites/Emails, etc. This course is offered for 4 years and is designed for the learner who benefits from smaller class sizes and repeated cycles of instruction. Students may earn up to 4 credits over a 4-year time period.

****This course is not included in the calculation of grade point average.***

ENGLISH 9/World Literature I

1 Year/2 Mods

1 credit

Prerequisite: None

This college-preparatory class concentrates on the study of reading, literature, and composition. Various reading and writing assignments reinforce the concepts of good written communication. The course is devoted to the study of fiction, poetry, and drama with related writing assignments and activities.

ENGLISH 9 HONORS/World Literature I Honors**1 Year/2 Mods****1 credit****Prerequisite:** Teacher Recommendation from middle school English teacher

This course, designed for the student who has a high level of interest in English and language arts, will give advanced students an in-depth experience with various aspects of communication in the English language. The course enables the student to utilize in-depth reading inference skills as applied to thematically organized literature selections and individualized reading. Emphasis is placed on the student's ability to write clearly in response to literature. The honors course also includes an introduction to analysis and interpretation of literature, units on reinforcement of writing skills, and the fundamentals of research paper preparation. **Summer Assignment Required.**

EXTENDED STANDARDS ENGLISH 10**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

This course utilizes the Ohio Learning Standards - Extended for High School, and is designed for students in the 9 through 12 grades. This course applies reading, writing, and language skills with real-world functional reading units such as Schedules, Bills/Statements, Applications, Websites/Emails, etc. This course is offered for 4 years and is designed for the learner who benefits from smaller class sizes and repeated cycles of instruction. Students may earn up to 4 credits over a 4-year time period.

****This course is not included in the calculation of grade point average.***

ENGLISH 10/World Literature II**1 Year/2 Mods****1 credit****Prerequisite:** None

This college-preparatory writing course includes the study of various genres of literature: prose, drama, and poetry, featuring vocabulary as it relates to literary selections as well as literary terms. It is also a concentrated review and study of various forms of paragraph writing with special emphasis on argumentative, analytical, and response-based writing. The Toulmin essay format is intensively featured and used for essay writing, especially during the second semester.

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

ENGLISH 10 HONORS/World Literature II Honors**1 Year/2 Mods****1 credit****Prerequisite:** B average or higher in English 9 or Teacher Recommendation**Recommended:** Completion of English 9-Honors

This course is an Honors Level English writing course designed for the student who desires an intellectually stimulating and challenging course that emphasizes the study of literature and writing. Typical units of study include: diagnostic writing assignments, introduction to the Toulmin argument, research techniques (MLA), and literary analysis and interpretation. Literature units include the study of fiction, poetry, and drama and their literary terms/techniques. Major writing assignments are an integral part of all literature units. **Summer Assignment Required.**

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

EXTENDED STANDARDS ENGLISH 11**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

This course utilizes the Ohio Learning Standards - Extended for High School, and is designed for students in the 9 through 12 grades. This course applies reading, writing, and language skills with real-world functional reading units such as Schedules, Bills/Statements, Applications, Websites/Emails, etc. This course is offered for 4 years and is designed for the learner who benefits from smaller class sizes and repeated cycles of instruction. Students may earn up to 4 credits over a 4-year time period.

**This course is not included in the calculation of grade point average.*

ENGLISH 11/American Literature**1 Year/2 Mods****1 credit****Prerequisite:** None

This course is a study of literature from the pre-colonial period to the twentieth century. The first semester terminates with the study of the early nineteenth century writers. Students in this course study the political, social, and intellectual trends which influenced the development of American literature as it changed from the religious concerns of the Puritans to the romantic view of the nineteenth century authors. The second semester covers representative authors from the Fireside Poets to the present. Composition, especially expository writing, is an integral part of the course work.

ENGLISH 11 HONORS/American Literature Honors**1 Year/2 Mods****1 credit****Prerequisite:** B average or higher in English 10 or Teacher Recommendation**Recommended:** Completion of English 10-Honors

This course begins with a review of literary terms and techniques and an introduction to new terms and techniques especially applicable to the study of American literature. The course covers representative authors from the colonial period to the twentieth century. In addition, students examine social, economic, political, and cultural trends of the seventeenth through the twentieth centuries in America. Composition, especially expository writing, research techniques, and the research paper are integral parts of the course. In the second semester the course proceeds with a chronological study of transcendentalism, realism, naturalism, and the twentieth century. **Summer Assignment Required.**

EXTENDED STANDARDS ENGLISH 12**1 Year/2 Mods****1 credit****Prerequisite-** IEP Required

This course utilizes the Ohio Learning Standards - Extended for High School, and is designed for students in the 9 through 12 grades. This course applies reading, writing, and language skills with real-world functional reading units such as Schedules, Bills/Statements, Applications, Websites/Emails, etc. This course is offered for 4 years and is designed for the learner who benefits from smaller class sizes and repeated cycles of instruction. Students may earn up to 4 credits over a 4-year time period.

**This course is not included in the calculation of grade point average.*

SENIOR COMPOSITION**1 Year/2 Mods****1 credit****Prerequisite:** Completion of both semesters of English 11; Senior Standing

A writing intensive course, Senior Composition prepares college-bound seniors who need more specialized instruction in preparation for university-level writing. The course focuses on expository, argumentative, and literature-based writing. Expository assignments include abstracts, reviews, college application, definition, classification, reaction, and comparison/contrast essays, as well as an extensive research paper. Literature-based writing assignments include character, symbol, theme, poetry, and film analysis essays. Mechanics, usage, grammar, and syntax skills are polished. These students strive to become effective communicators and hone skills characteristic of college-prepared professionals.

ENGLISH 12/BRITISH LITERATURE**1 Year/2 Mods****1 credit****Prerequisite:** Completion of both semesters of English 11; Senior Standing

British Literature is a college preparatory survey course encompassing the chronological study of British Literature from the Anglo-Saxon Period (449-1066) through the Modern Age (20th century-present) in their proper historical context. Emphasis is placed on oral and written analysis of literature. To be successful in English 12 / British Literature, the student should have successfully completed English-11/ American Literature and have a "working knowledge" of writing literary analysis essays utilizing the Modern Language Association (MLA) format. In addition, the student should have a strong desire to read and discuss literature.

Literature covered may include Beowulf; Sir Gawain and the Green Knight; Macbeth; sonnets and the sonnet form; Paradise Lost; Gulliver's Travels; Frankenstein; Dr. Jekyll and Mr. Hyde; Pygmalion; various and sundry poetry.

A writing component of the class may include poetry explication essay; literary analysis essays; research paper; essay/short response assessment; note taking.

A partial author list includes Chaucer, Malory, Wyatt, Marlowe, Spenser, Shakespeare, Petrarch, Bacon, Donne, Jonson, Herrick, Marvell, Lovelace, Milton, Pepys, Pope, Swift, Johnson, Gray, Burns, Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Hopkins, Hardy, Housman, Yeats, Lawrence, Joyce, Eliot, Thomas, Brooke, Orwell, and Shaw.

**ENGLISH LITERATURE AND COMPOSITION AP
(Advanced Placement)****1 Year/2 Mods****1 credit****Prerequisite:** B average or higher in English 11 Honors

This course is intended for advanced students. It is suggested that the student currently carry a 3.0 average in English. Because the course is taught on a college level, it is an extensive approach to the study of language and literature. This course should be selected, therefore, by only the most able and ambitious student. Course work includes in-depth surveys of the classics, world literature, and English literature. English AP focuses upon techniques of oral and written literary analysis as well as the development of composition skills. **Summer Assignment Required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$94) is charged for this exam.

AFRICAN AMERICAN LITERATURE – Elective**1 Semester/2 Mods****½ credit****Prerequisite:** Junior or Senior Status

Students in this course will study African American Literature, following a historical timeline. The course is designed to cover the progression of literature from spirituals, secular ballads and work songs, and folk tales to contemporary fiction and non-fiction pieces. Students will learn about both the impact of African American literature on societal changes as well as the influence society had on shaping African American literature. The course takes a multimedia approach to learning; students will be engaged in song, religious and secular, poetry, speech, personal and historical narratives, short stories, novels, biographies and film.

JOURNALISM – Elective**1 Year/2 Mods****1 credit**

Prerequisite: Sophomore, Junior, or Senior Standing. Enrollment will be based on an application process. *Credit earned in Journalism will not count towards students' 4 required English credits for graduation with the exception of Seniors.*

Sophomores and Juniors- course counts as an English elective credit

Seniors- course can count as the 4th English credit

Journalism is an exciting, yet demanding, course that teaches students news writing fundamentals. Students will learn how to conduct interviews, write a variety of articles, take photographs, and use publishing software. The class offers several opportunities for students to compete in state-wide competitions with other high school journalists. Students

also learn how to market a paper and create eye-catching advertisements.

MASS MEDIA - Elective

1 Semester/2 Mods

½ credit

Prerequisite: Sophomore, Junior, or Senior Standing

The Mass Media course involves a study of television, radio, newspapers, magazines, and motion pictures. Some history of each medium is included along with the critical analysis of the different media industries. The student learns to understand the mass media as a reflection of and an influence on the culture they represent; to recognize the social, economic, moral, and legal forces that mold the media; to analyze the peculiar demands of each form of expression; and to become aware of the differences in quality of media offerings.

MYTHOLOGY – Elective

1 Semester/2 Mods

½ credit

Prerequisite: Sophomore, Junior, or Senior Standing

Mythology, a high interest course, is a comprehensive creative study of all the best known myths of Greece and Rome. The course examines classical mythology's influence on cultural beliefs, archetypal literary patterns and allusions, art, and vocabulary. The course focuses on all the major Olympian deities, The Iliad, The Odyssey, and Spartan culture with an emphasis on King Leonidas and the battle of Thermopylae.

SPEECH – Elective

1 Semester/2 Mods

½ credit

Prerequisite: None

The Speech course is designed to help the student develop the skills involved in researching, organizing, and delivering speeches. Emphasis is placed on library skills, outlining, and speaking. Students are required to give approximately ten speeches throughout the semester. All students are encouraged to take this course sometime during their high school career.

CREATIVE WRITING – Elective

1 Semester/2 Mods

½ credit

Prerequisite: Sophomore, Junior, or Senior Standing

This one-semester elective will offer students the opportunity to develop imaginative ideas and express those ideas through the creative art of writing. Students will strengthen their personal voice and creative writing skills by composing original examples of prose, poetry, and drama. While writing creatively is the primary focus of this course, students will also be expected to read and analyze examples of those three creative mediums to help strengthen their writing ability. Students should only enter this course if they genuinely enjoy reading and writing and are willing to constructively collaborate with their teacher and peers.

SOCIAL STUDIES COURSES

Grade	Pathway 1	Honors/AP Pathway
9	Modern World History required	Modern World History Honors or World History AP required
10	United States History required	United States History Honors or US History AP required
11	Government / Economics required	Government AP and Microeconomics AP required
12	Elective	US History AP or World History AP or European History AP or Government AP or Microeconomics AP

AP Options:

9th-12th grade: World History AP

10th-12th grade: US History AP

11th-12th grade: European History AP, Government AP , Microeconomics AP

Current Semester Electives offered:

Leadership Basics (10-12)

Psychology (11-12)

Sociology (11-12)

Cultural Anthropology (11-12)

Contemporary World Issues (11-12)

EXTENDED STANDARDS SOCIAL SCIENCE 9**1.5 credits****Prerequisite:** IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This portion of the course covers social studies concepts such as American History, American Government, Modern World History, Economics & Financial Literacy, Contemporary World Issues and World Geography. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

****This course is not included in the calculation of grade point average.***

MODERN WORLD HISTORY**1 Year/2 Mods****1 credit***(Required course for all ninth graders)***Prerequisite:** None

World History from 1600 to the Present Age of Revolutions through the 21st Century

Ninth grade students continue the chronological study of the history of the world. This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. This course incorporates the State standards for World History.

MODERN WORLD HISTORY HONORS**1 Year/2 Mods****1 credit***(Fulfills Ninth grade requirement)*

Prerequisites: B or higher in 8th grade American History or Teacher Recommendation

World History from 1600 to the Present Age of Revolutions through the 21st Century

Tenth grade students continue the chronological study of the history of the world. This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Goals of this course includes developing an ability to express historical understanding in writing. This course incorporates the State standards for World History. **Summer Assignments Required.**

EXTENDED STANDARDS SOCIAL SCIENCE 10**1.5 credits****Prerequisite:** IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This portion of the course covers social studies concepts such as American History, American Government, Modern World History, Economics & Financial Literacy, Contemporary World Issues and World Geography. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

****This course is not included in the calculation of grade point average.***

UNITED STATES HISTORY**1 Year/2 Mods****1 credit***(Required course for all tenth graders)***Prerequisite: None**

American History from 1877 to the Present Post-Reconstruction through the 21st Century

Tenth grade students are introduced to high school social studies in this course. Students continue the chronological study of the history of the United States beginning with the era of industrialization in the late 1800s. In addition, students will participate in an in-depth analysis of historic documents and their impact on the era in which they were developed as well as contemporary times. This course is designed to provide students with a better understanding of how to engage in higher-level thinking (critical analysis, interpretation of primary and secondary sources, ability to identify and explain correlations of historical events) and the expression of these ideas through both oral and written communication. This course will embody the objectives put forth by the Model Curriculum for Social Studies put forth by the Ohio Department of Education.

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

UNITED STATES HISTORY HONORS**1 Year/2 Mods****1 credit***(Fulfills tenth grade requirement)***Prerequisite current World History Honors student: B average or higher or Teacher Recommendation****Prerequisite current World History: A average or Teacher Recommendation**

American History from 1877 to Present Post-Reconstruction through the 21st Century

Tenth grade students are introduced to high school social studies in this course. Students continue the chronological study of the history of the United States beginning with the era of industrialization in the late 1800s. In addition, students will participate in an in-depth analysis of historic documents and their impact on the era in which they were developed as well as contemporary times. This course is designed to provide students with a better understanding of how to engage in higher-level thinking (critical analysis, interpretation of primary and secondary sources, ability to identify and explain correlations of historical events) and the expression of these ideas through both oral and written communication. This course will embody the objectives put forth by the Model Curriculum for Social Studies put forth by the Ohio Department of Education. Students that enroll in the Honors course must meet the criteria set forth by the Board of Education with regard to the letter grade earned in their eighth grade American History course. The Honors version of American History will strive to achieve the same goals as the general American History class. Honors students will be expected to comprehend, analyze and convey both orally and through writing, a higher level of understanding of content and concepts than students in general American History. Honors students are also expected to complete a summer assignment that is designed to begin the process of building an appropriate base of historical knowledge and analytical skill. **Summer Assignment Required.**

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

EUROPEAN HISTORY AP**1 Year/2 Mods****1 credit****(Advanced Placement)**

Junior or Senior standing;

Prerequisite current History Honors student: B average or higher or Teacher Recommendation**Prerequisite current History student: A average or Teacher Recommendation**

European History Advanced Placement is intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses in European History. Course content focuses on European history since 1450 and introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. The goals of European History AP are to develop an understanding of some of the principle themes in modern European history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. **Summer Assignments Required.**

All students who enroll in an AP course are expected to take the AP exam in the spring. A fee (approximately \$95) is charged for this exam.

US HISTORY AP

1 Year/2 Mods

1 credit

(Advanced Placement)

Sophomore, Junior, or Senior standing

Prerequisite current History Honors student: B average or higher or Teacher Recommendation

Prerequisite current History student: A average or Teacher Recommendation

United States History Advanced Placement is offered for those students that desire to conduct a political, economic and social analysis of the history of our nation via discussion, debate and investigation of primary and secondary sources. Course content begins with the exploration of the Americas and extends through contemporary times. This course is a valuable preparatory tool for any student that desires to be well-prepared for success at the college/university level.

Summer Assignments Required.

All students who enroll in an AP course are expected to take the AP exam in the spring. A fee (approximately \$95) is charged for this exam.

WORLD HISTORY AP

1 Year/2 Mods

1 credit

(Advanced Placement)

Freshmen, Sophomore, Junior, or Senior standing

Prerequisite current History Honors student: B average or higher or Teacher Recommendation

Prerequisite current History student: A average or Teacher Recommendation

Prerequisite current 8th grade: A in 8th grade American History, Teacher Recommendation, A in 8th grade Literacy, Honors English course

World History Advanced Placement is intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses in World History. The primary intent of the World History AP course is to teach the history of the world from a truly global stance rather than from the dominant perspective of Western civilization. This approach therefore places emphasis on worldwide historical processes and connections among the whole gamut of human societies. In order to achieve a comprehensive understanding of these events, students need both factual knowledge and the ability to critically assess such information. This course helps them on both fronts, teaching the historical facts in the context of how progressive changes—environmental, social, scientific, and political— influenced the various societies they touched, as well as how these groups interacted with each other. Students are exposed to many primary sources in an effort to show them how historical analysis works and how they can proceed to make their own informed interpretations of world events, both past and present. Significantly, the course is organized by five defining time periods, not by geographical areas. This concept of “periodization” is a vehicle that facilitates seeing both the continuities and changes over time that form the framework for understanding world history. **Summer Assignments Required.**

All students who enroll in an AP course are expected to take the AP exam in the spring. A fee (approximately \$95) is charged for this exam.

MICROECONOMICS AP

1 Semester/2 Mods

½ credit

(Advanced Placement)

Prerequisites: Junior or Senior standing

Prerequisite current History Honors/AP student: B average or higher or Teacher Recommendation

Prerequisite current History student: A average or Teacher Recommendation

Microeconomics Advanced Placement is intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses in Microeconomics. This course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. Microeconomics AP places primary emphasis on the nature and functions of

product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course incorporates all of the State of Ohio's standards for the teaching of economics. A financial literacy unit is included. **Summer Assignments Required.**

Students may benefit from completing Economics semester one; although this is not a requirement. All students who enroll in an AP course are expected to take the AP exam in the spring. A fee (approximately \$95) is charged for this exam.

**US GOVERNMENT AND POLITICS AP
(Advanced Placement)**

1 Year/2 Mods

1 Credit

Prerequisite: Junior or Senior Standing

Prerequisite current History Honors/AP student: B average or higher or Teacher Recommendation

Prerequisite current History student: A average or Teacher Recommendation

This college-level course will require students to delve deeply into the institutions, processes and practices of our federal government. Students will learn about our guiding documents and principles, political beliefs and behaviors, political parties, interest groups, the media, government institutions, public policy and civil liberties/civil rights. **Summer Assignments Required.**

All students who enroll in an AP course are expected to take the AP exam in the spring. A fee (approximately \$95) is charged for this exam.

EXTENDED STANDARDS SOCIAL SCIENCE 11

1.5 credits

Prerequisite: IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This portion of the course covers social studies concepts such as American History, American Government, Modern World History, Economics & Financial Literacy, Contemporary World Issues and World Geography. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

****This course is not included in the calculation of grade point average.***

AMERICAN GOVERNMENT

1 Semester/2 Mods

½ credit

Prerequisite: Required course for all Juniors

This one semester course is required to graduate. The goal of this course is to develop in the student a working knowledge of our government. The course covers all levels of government including the local, state, and federal structures. Students are to use their knowledge of government to become more informed, participatory citizens. This course incorporates all of the State of Ohio's standards for the teaching of government. Historical documents will be examined including the Constitution of the United States and its amendments with emphasis on the Bill of Rights, the Ohio Constitution, the Federalist Papers, and the Anti-Federalist Papers.

A standardized performance-based assessment and standardized End-of-Course exam mandated by the State of Ohio are required for this course.

ECONOMICS

1 Semester/2 Mods

½ credit

Prerequisite: Junior or Senior Standing (required for graduation)

This one semester course is required to graduate. Students gain a basic understanding of the American and world economic systems. Topics in both microeconomics and macroeconomics are addressed. This course incorporates all of the State of Ohio's standards for the teaching of economics. A financial literacy unit is included. In this unit students learn

the relationship of income level to supply and demand in the market, the roles of people in the economy, the consequences of choices affecting budgets, savings, credit, philanthropy and investments, and the effect of interest rates on savers and borrowers.

EXTENDED STANDARDS SOCIAL SCIENCE 12

1.5 credits

Prerequisite: IEP Required

This course combines the Ohio Learning Standards - Extended for High School in Science and Social Studies. This course is designed for students in the 9 through 12 grades. This portion of the course covers concepts in science such as Physical Science, Biology, Chemistry, Environmental Science, Physical Geology, Physics and Anatomy & Physiology. This portion of the course covers social studies concepts such as American History, American Government, Modern World History, Economics & Financial Literacy, Contemporary World Issues and World Geography. This is a 4-year course that is designed for the learner who benefits from a smaller class size and repeated cycles of instruction. Students may earn up to 6 total credits over a 4 year span.

**This course is not included in the calculation of grade point average.*

PSYCHOLOGY

1 Semester/2 Mods

½ credit

Prerequisite: Junior or Senior Standing

This introductory psychology course emphasizes the study of man's individual behavior. Areas of study include the scientific method, learning, development, personality, abnormal behavior, and intelligence. The student is given the opportunity to conduct small experiments and to do independent research. Students are exposed to numerous classical research projects and their results. This course is suggested for the college-bound student; however, each individual can gain practical insight about himself and about others.

CONTEMPORARY WORLD ISSUES

1 Semester/2 Mods

½ credit

Prerequisite: Junior or Senior Standing

In this course students examine the dynamics of global interactions among nations and regions that present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of engagement, and conflict and cooperation. Students will examine contemporary issues and their political, economic, social, historic and geographic components. Students will examine approaches to addressing global and regional issues that reflect historical influences and multiple perspectives. Major topics of study include global connections, civic participation and skills, civil and human rights, sustainability, technology, national security and international diplomacy, and the global economy.

SOCIOLOGY

1 Semester/2 Mods

½ credit

Prerequisite: Junior or Senior Standing

Sociology (the study of human groups' behaviors and/or interactions) is a semester-long social studies elective for students with junior or senior standing. It is an introductory course to the social sciences and is invaluable for both understanding why we are the way we are and for preparation for future social studies courses, specifically Introduction to Sociology (1st year college class). Topics of study vary, and include: culture, deviance & crime, social stratification & social classes, social issues, prejudice & discrimination, social institutions, and more.

CULTURAL ANTHROPOLOGY

1 Semester/2 Mods

½ credit

Prerequisite: Junior or Senior Standing

Anthropology (the study of humankind) is a semester-long social studies elective class. Anthropologists research the

characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this course, students will focus on the study of Cultural Anthropology, which is the study of different societies around the world. Students will also be exposed to two other branches of anthropology: Physical Anthropology, Linguistic Anthropology, as well as Archeology.

LEADERSHIP BASICS

1 Semester/2 Mods

½ credit

Prerequisite: Sophomore, Junior, or Senior Standing

This is a one semester social studies elective class. Students will gain a basic understanding of but are not limited to the study of leadership throughout history and in the present day. Students will examine both personal strengths and weaknesses and learn leadership basics and techniques. Skills will be taught that can be applied to a wide array of areas, for the present and the future. The class will examine the following topics using traditional teaching techniques and guest speakers: Defining Leadership, Examining Different Leadership Styles and Techniques, Learning Different Communication Styles and Techniques, Differences from Leading From the Front vs. Leading From the Back, Core Values and How They Shape Leadership, Motivation Techniques and Turning Conflict Into Cooperation.

BUSINESS COURSES

ACCOUNTING PRINCIPLES

1 Year/2 Mods

1 credit

Prerequisite: Sophomore, Junior, or Senior Standing

Accounting is the Language of Business. Accounting Principles provides an excellent background not only for college accounting, but also provides a solid foundation for any business career. The concepts of assets, liabilities, and owner's equity are studied in depth. Students reinforce their understanding of accounting procedures by working through realistic accounting cycles for a sole proprietorship and a retail business organized as a partnership. Business transactions are analyzed, recorded, and summarized for the preparation of general-purpose financial statements, the same statements that large corporations use to report financial ratios, component percentages and stockholders' equity. In addition, students complete a simulation and are also presented with instructional activities that reinforce mathematical and critical thinking skills.

PERSONAL FINANCE

1 Semester/2 Mods

½ credit

Prerequisite: None

"Personal Finance introduces students to the world of money management and finance. "Personal" is stressed because students learn to apply financial decisions to their own life such as budgeting, consumer spending, banking, taxation, and investing. The computer based simulation Virtual Business Personal Finance (Knowledge Matters) is used by students to learn financial and personal organizational skills."

SENIOR MARKETING EDUCATION

1 Year/4 Mods

3 ½ credits

Instruction – 4 Mod Class - 2 credits

Job Credit - 1 ½ credits

Prerequisite: Senior Standing

Senior Marketing Education is a one-year program designed for college-prep students interested in exploring the fields of marketing, management, public relations, communications, advertising, or sales. Marketing Education gives students extensive experience in business by immersing the students in the world of marketing through classroom instruction as well as hands-on, community, and experience based projects to bridge learning inside and outside the classroom. This will offer students practical marketing experience that will open the doors for their futures.

Senior Marketing Education students will meet for four mods each day. Students must have employment and work an average of 12 hours per week to earn 1.5 work credits. Early Release is also available to help students fulfill the work requirement, providing all credits for graduation have been met. **Students enrolled in Marketing Education that do not obtain part-time employment by the end of the first semester will be automatically dropped from this course.**

WORK STUDY PROGRAM
Prerequisite: IEP Required

1 Year/2 Mods

1 credit

The work-study program provides supervised job training experiences for students with disabilities. They are given opportunities to work in various job stations receiving supervision and feedback. Students may be placed on in-school job stations or training stations within community work sites. The goal of the work-study program is to have successful community job experiences and build soft skills for employment for after graduation. Goal setting and strategy sessions are held to improve employability skills as needed. Students are enrolled in this course for multiple years to earn up to 6 credits.

**This course is not included in the calculation of grade point average.*

TRANSITIONS
Prerequisite: IEP Required

1 Year/2 Mods

1 credit

In this elective course, students will learn basic, life, social and transitional skills that are imperative for them to be successful on their own upon graduation. Teaching will emphasize travel, finance, home, and community skills. Students will learn about self-advocacy and disability awareness. Students will be given the tools to set them up on a path towards a 2 or 4-year college, vocational/job training, or work setting upon graduation. Students will be taught how to fill out important paperwork, use the internet for information, and make contacts at local agencies, colleges or training facilities.

**This course is not included in the calculation of grade point average.*

TECHNOLOGY COURSES

COMPUTER PROGRAMMING
Prerequisite: None

1 Semester/2 Mods

½ credit

This course is designed for students who are interested in learning the fundamentals of computer programming using the latest Visual Studio programming language, Visual Basic (as well as some exposure to some other languages including Java and Python). Topics covered include designing a graphic user interface, illustrate well-written and readable programs using a coding style, and encourage independence and reinforcing problem solving skills. Students will also learn the programming software in Microsoft Office (Access and Excel); and if time permits, developing movies, 3D graphics program, and use of Spheros.

COMPUTER APPLICATIONS
Prerequisite: None

1 Semester/2 Mods

½ credit

This course will extend student learning for increased proficiency in the areas of word processing, spreadsheets, presentations, web page design, new innovation, and current events in computers and software. Students will then use the theory they learn and apply it to other software programs such as Google Drive/Google Apps, Wikis, Prezi, and Blogs. Projects may include graphics, professional resumes, and presentations. The Internet will be integrated throughout the course and Web page design and an introduction to HTML will be explored if time permits. The class will encourage independence and reinforce problem solving skills.

Note: All technology engineering classes in this section can either be taken for high school credit or College Credit Plus through Cuyahoga Community College (TRI-C).

Mechanical Engineering Technology I - Drawing and AutoCADD
Sem2

1 Year/2 Mods

1 credit / 3 CCP Credit

Prerequisite: Sophomore, Junior, or Senior Standing

Engineering and Design is recommended for anyone who is interested in pursuing a career in engineering or a related technical field. Each student will be introduced to the field of engineering through the use of

AutoCADD, which is a 2D engineering design program that is used throughout the engineering industry. This software will

allow students to visualize, design and fabricate finished products. Using this design process, students learn basic and advanced design and engineering principles such as 2D design, 2D renderings, project planning, engineering / drafting design. This class is a **must** for any student who plans on pursuing a career in engineering or other technical fields. The second semester, students will have the opportunity to earn **3 college credits** through **Cuyahoga Community College** if they are accepted into the CCP Program. This class coincides with the course **MET-1230 : Drawing & AutoCAD-3 Semester Hrs. CCP Application, Placement Test (Qualifying SAT, ACT, or GPA), and acceptance are required for CCP credit.**

Mechanical Engineering Technology II\ AutoCADD II, Solidworks and GD&T 1 Year/2 Mods 1 credit / 3 CCP Credit Sem2

Prerequisite: Engineering, Drafting & Design 1

Engineering, Drafting and Design 2 (ED&D 2) is a survey course of engineering. The course exposes students to some of the major concepts and equipment that they will encounter in a college or trade school engineering course of study. Students will have an opportunity to investigate engineering and high tech careers as well as to implement new designs using 21st century tools. Mechanical Engineering II gives students the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based (APPB) learning. Used in combination with a team approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning. Instruction will also be enhanced through participation in local and national technology challenges and competitions. The second semester, students will have the opportunity to earn **3 college credits** through **Cuyahoga Community College**. This class coincides with the course **MET-2041 : CAD 2 & GD&T (Prerequisite: MET-1230). CCP Application, Placement Test (Qualifying SAT, ACT, or GPA), and acceptance are required for CCP credit.**

Mechanical Engineering Technology - 3D Solid Modeling– 3D Solid Modeling 1 Year/2 Mods 1 credit / 3 CCP Credit Sem2

Prerequisite: Engineering, Drafting & Design 2

Covers 3D modeling, design of mechanical component and system using computer-aided design technique, solid and surface model for product development, designs optimization and documentation. Includes completion of a set of production drawings created in 3D modeling environments. Emphasis on the application of geometric dimensioning and tolerancing in mechanical design and 3D modeling for enhanced part description. Students work on individual design projects that simulate real-world applications. Prepares students for **SolidWorks Certification**. The second semester, students will have the opportunity to earn **3 college credits** through **Cuyahoga Community College**. This class coincides with the course **MET-2601 : 3D Solid Modeling (Prerequisite: MET-2041). CCP Application, Placement Test (Qualifying SAT, ACT, or GPA), and acceptance are required for CCP credit.**

GenYES (Generation Youth and Educators Succeeding) 1 Year/1 Mod- 1 credit

Prerequisite: Application required

This course will certify that students have applied the technology skills they have developed both in the classroom and by helping their school effectively integrate technology in addition to making substantial contributions towards meeting our school's technology priorities with 1:1 technology.

Students will learn how technology improves teaching and learning, learn how technology skills can work with a classroom teacher to build new technology-rich lessons. Students will learn what GenYES is, learn how to learn, use Technology Assistance Projects (TAPs), while working alongside adults, learn strategies for internet search tools and strategies along with copyright and citation, cybersafety, and netiquette. Students will be introduced to presentation software, word processing software, spreadsheets, google drive and apps, computer graphics, digital photography,

graphic design, digital illustration, digital video, digital audio, animation, website design, text-based games, managing software, customer service skills, and maintaining and updating devices. Students will learn about leadership qualities and working on a team.

MOBILE APP DEVELOPMENT

1 Semester

½ credit

Prerequisite: Computer Programming

This course is designed for students who have completed Computer Programming and are interested in learning the advanced techniques of computer programming using Visual Basic, Alice Programming, Android Phone Applications using Android emulators and App Inventor; in addition the class will work with a spherical robot called a Sphero in conjunction with a 3D printer. Topics covered include the history of cellular devices, designing a Visual Basic user interface, writing Android apps, building the User Interface, and adding button controls. The class will encourage independence and reinforce problem solving skills.

PHOTOSHOP PLUS

1 Semester/2 Mods

½ credit

Prerequisite: None

This course is designed to introduce students to Adobe Photoshop CC. Students will be introduced to the world of editing and touching up digital photographs utilizing current programs which serve as industry standards. Students will also learn basic and advanced techniques that will enable them to edit photos professionally. Over the course of the semester, students will participate in large design projects; in addition, the class will design Copley High School's parking pass for the following school year. The class will encourage independence and reinforce problem solving skills.

ROBOTICS

1 Year/2 Mods

1 credit

Prerequisite: Sophomore, Junior, or Senior Standing

Robotic Engineering is for students who are interested in the design, engineering and programming of robots for professional and technical careers. The Robotics Engineering course is designed to explore the past, current and future use of automation technology in industry and everyday use. The students will receive a comprehensive overview of robotic systems and the subsystems that comprise them. There will be class competitions and engineering challenges using DoBot Magicians and Vex V5 Robotics systems as well as the opportunity to compete in local and national robotics competitions.

VISUAL COMMUNICATIONS & TECHNOLOGY (ComTech)

1 Year/2 Mods

1 credit

Prerequisite: Sophomore, Junior, or Senior Standing

This course concerns itself with the rapidly changing world of communications. All phases of communications are reviewed with a major emphasis on teaching techniques used in the area of television production. Topics of study include video editing, graphic design, audio editing, on site video production, equipment setup and troubleshooting, DVD authoring, production planning, WEBCasting and on air talent. Students will spend the bulk of their in-class time either working on daily morning announcements/podcast (Tribe Talk) or creating commercial spots for the morning announcements that will encourage and promote a positive school atmosphere. In addition, students will be asked to participate in special shoots such as taping our high school plays and graduation. These materials will then be edited using learned classroom skills and incorporated into an event DVD.

WEB PAGE DESIGN 1

1 Semester/2 Mods

½ credit

Prerequisite: None

This course is designed to introduce students to the essentials of Web site creation using HTML and the latest Web authoring software, Adobe Dreamweaver. Students will learn valuable skills, including creating new Web sites from scratch, using templates, using CSS, inserting images, hyperlinks, and additional website related topics. Emphasis is placed on planning Web site structure, content and design. Students will explore and develop their ability to create, edit,

and organize web pages. In addition, a unit on Computer Ethics will be explored. The class will encourage independence and reinforce problem solving skills.

WEB PAGE DESIGN 2

1 Semester/2 Mods

½ credit

Prerequisite: Web Design 1

This course is designed for students to develop advanced web sites using Adobe Dreamweaver, Adobe Spark, Wix.com, Google Sites, and Animate. Students will have the opportunity to design and develop websites for a “fictitious” business, with heavy emphasis on individual page design and layout. The class will encourage independence and reinforce problem solving skills.

WOODWORKING & DESIGN

1 Semester/2 Mods

½ credit

Prerequisite: None

Woodworking is a class for students who want to develop their creative and technical skill using wood as their major raw material. Students will be introduced to product design, equipment operation, materials, blueprint reading and CNC (Computer Numeric Controlled) design and fabrication. Both class time and lab time are used to design and produce projects such as shelves, clocks, signs and chairs.

Note: Students are required to purchase all materials used in the fabrication and construction of their personal projects.

FINE ARTS COURSES

ART VISIONS

1 semester/2 mods

½ credit

Prerequisite: Teacher Recommendation

Students will be able to draw on a variety of sources to generate, select, and evaluate ideas to create personally meaningful products. This class will offer the student an alternative mode of expression, with its own visual, tactile, and symbolic language; thereby enabling the student to experience excitement and fulfillment of creative endeavors. A variety of two-dimensional and three-dimensional mediums will be explored. This class utilizes repeated cycles of instruction and can be taken multiple times so that students can build upon their prior successes.

Following Art Visions, students will have gained the skills, knowledge, and experience in order to succeed in Art Foundations.

ART FOUNDATIONS

1 Semester/2 Mods

½ credit

Prerequisite: None

This is a beginning course designed for the non-art major. This class is intended to develop an appreciation and understanding of the arts. Students will be introduced and learn about elements and principles of design along with drawing, painting, ceramics, crafts, and 3-D design.

ART 1

1 Year/2 Mods

1 credit

Prerequisite: None

This is a year-long introductory level course for the art enthusiast. This course will have an emphasis on basic drawing skills and understanding the elements and principles of design, while creating artwork in a variety of mediums. Art 1 will allow students to gain knowledge and skills to continue on in the arts. Students that have ambition for the arts and are going to continue through the art series, including AP, should take this course.

ART 2**1 Year/2 Mods****1 credit****Prerequisite:** C or higher in Art 1

Students will continue to refine their skills and techniques and will begin to develop their own artistic style through the exploration of wet and dry media. Students will continue to deepen their knowledge of the historical and cultural aspects of the visual arts.

ART 3**1 Year/2 Mods****1 credit****Prerequisite:** C or higher in Art 2 or Teacher Recommendation

Art 3 is a class for the serious art student interested in developing his/her own artistic style. In depth study will occur in wet, dry, two and three-dimensional media as well as art history, criticism and aesthetics.

ART 4**1 Year/2 Mods****1 credit****Prerequisite:** C or higher in Art 3 or Teacher Recommendation

Art IV is intended for the serious, self-motivated art students whose goal is to create a portfolio and advance their skills in various media. Purchase of various supplies required.

**AP Studio Art: Drawing/Two-Dimensional (2-D) Design
(Advanced Placement)****1 Year/2 Mods****1 credit**

Prerequisite: Completion of Art III, including a portfolio review by the Art Department at the end of Art III and Teacher Recommendation

The AP Studio Art course is intended for highly motivated students who are seriously interested in the study of art. AP course requirements are significantly more rigorous and students should demonstrate commitment and accomplishment while enrolled. Success on the AP Studio Art examination can enable students to earn college credits and placement in college programs. The course strives for quality of production and experience in the investigation of art styles, techniques and the reflection of historical influences. It is designed as an intensive one-year program. **Summer work is required.**

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$94) is charged for this exam.

3-D (Ceramics) AP**1 Year/2 Mods****1 credit****Prerequisite:** Ceramics II/III/IV and Teacher Recommendation

AP 3-D is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce 3D art and design. The course will give the students the opportunity to expand their technical skills and conceptual approaches to the clay medium. Students are expected to develop their own personal agenda in the medium, which will showcase their own artistic style.

All students who enroll in an AP course are expected to take the AP exam in the Spring. A fee (approximately \$94) is charged for this exam.

CERAMICS 1**1 Semester/2 Mods****½ credit****Prerequisite:** None

Ceramics 1 will introduce students to building with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on hand building and introductory pottery techniques; Functional as well as sculptural applications will be explored.

CERAMICS 2**1 Semester/2 Mods****½ credit****Prerequisite:** Ceramics 1

Ceramics 2 provides students with the opportunity to develop an “in depth” knowledge of and apply skills in the art of ceramics. Wheel techniques will be fully explored, as well as many sculptural and glazing techniques.

CERAMICS 3 & 4**1 Year / 2 Mods****1 credit****Prerequisite:** Ceramics 1 and 2 and 3 (if taking 4)

Ceramics 3 & 4 will provide different material each semester, which will allow the student the ability to take Ceramics 3 & 4 multiple times without much repetition of content. In addition to class assignments, the students will continue in hand building and wheel throwing techniques in order to develop a personal artistic style. Activities will be individualized according to the ability level of each student.

CRAFTS**1 Semester/2 Mods****½ credit****Prerequisite:** Sophomore Standing or above

Crafts is a semester course that uses both traditional and contemporary techniques to create original craft items. Students will learn to create original craft designs and become familiar with papermaking, fibers, weaving & knitting.

CRAFTS 2**1 Semester/2 Mods****½ credit****Prerequisite:** Crafts

This class will introduce new and continued exploration of design principles through the decorative arts, as they relate to historic and modern crafts. Students will learn the art of calligraphy, felting, in-depth knitting techniques and projects, basket weaving, and other fiber arts.

MODERN PHOTOGRAPHY**1 Semester/2 Mods****½ credit****Prerequisite:** Sophomore, Junior, or Senior Standing

This course focuses on four areas: How the camera works, composition, lighting and how to use photo editing software.

PAINTING**1 Semester/2 Mods****½ credit****Prerequisite:** Art 1 or Art Foundations

Painting is a semester class that teaches students about color theory and techniques of painting. Students will learn to work with various types of paint including: watercolor, tempera, acrylic, and oil.

SCULPTURE**1 Semester/2 Mods****½ credit****Prerequisite:** None

Students will learn how to utilize the elements and principles in a variety of three-dimensional mediums. Students will be working with, but are not limited to, paper, cardboard, wire, clay, and found objects.

INTRODUCTION TO THEATRE**1 Semester/2 Mods****½ credit****Prerequisite:** None

Introduction to Theatre is an introductory course in which the student is exposed to all aspects of theatre. Students will be asked to evaluate theatre and recognize the impact that history, culture, and society has on theatre. Through the performance of a one act play, the integration of costumes, lights, publicity and business, stage management, props, set design, costume design and make-up will be explored. Students are REQUIRED to participate in 3 ACTING projects--pantomime, monologue, and duet acting. ALL STUDENTS MUST ACT IN FRONT OF THE CLASS. If you cannot do this, please do not schedule this class.

THEATRE 2**1 Semester/2 Mods****½ credit****Prerequisite:** Successful completion of Intro to Theatre (B average for the semester grade)

Theatre 2 is a unique course where students will work together to create a repertory company which produces performances of plays for public viewing. Members of the company include actors, stage managers and technical crew leaders in areas of properties, costumes and dramaturgy/publicity. Students will be assigned roles and technical positions based on audition or application the previous semester. Students study dramaturgy and will read at least one classical piece of dramatic literature. Viewing and critiquing plays, completing a portfolio and a Mastery Project round out the study of theatre. Mastery Projects offer experience in design concepts or acting mastery. The course is repeatable, earning students ½ credit per semester, as students will produce a different play each semester.

YEARBOOK**1 Year/2 Mods****1 credit****Prerequisite:** Sophomore, Junior, or Senior Standing. Student enrollment will be based on an application process.

Yearbook is a course open to interested students in grades 10th-12th who want to design, construct, edit, sell and distribute the high school yearbook. Students will compose, construct, and edit all elements of computerized text layout, graphic art, and digital photography. As yearbook staff members, students will become better writers, photographers, critical thinkers, communicators, business managers, visionaries, creators, and team players. This course will give students marketable experience in print media publishing. The Yearbook course covers many of the Ohio Common Core Standards found in English, art, business, and technology courses as well as examines legal and ethical issues of media law and copyright. Students may earn credit for this course more than once.

CONCERT CHORALE**1 Year/2 Mods****1 credit****Prerequisite:** Audition – Grades 9 through 12

This choir is a highly select ensemble of primarily upperclassmen. The choir emphasizes the preparation of music of the highest difficulty level. Students are expected to prepare outside of class and to further hone already excellent sight-reading and ear training skills. A high level of maturity and preparedness is essential. Students must audition personally with the choral instructor before signing up for this ensemble.

Note: Music Honors courses (Wind Ensemble and Concert Chorale) require additional work as designated by the directors. This includes, but is not limited to, evening rehearsals, private lessons, attendance at external concerts, writing assignments, extra-curricular ensembles, participation in OMEA Solo and Ensemble Adjudicated Event, and other arts activities.

MEN'S CHORUS**1 Year/2 Mods****1 credit****Prerequisite:** None

This choir is a select group of singers who, by audition, continue the CHS tradition of vocal excellence. Men's Chorus places its emphasis on the music of a more difficult nature, advanced vocal technique, pronunciation of foreign texts, and a vast spectrum of literature from all periods. Greater emphasis is also placed on sight-reading and ear training skills. Along with performing both in and out of school, we strive for successful participation in OMEA sanctioned events.

WOMEN'S CHORUS**1 Year/2 Mods****1 credit****Prerequisite:** None

This choir is a select group of singers who, by audition, continue the CHS tradition of vocal excellence. Women's Chorus places its emphasis on the music of a more difficult nature, advanced vocal technique, pronunciation of foreign texts, and a vast spectrum of literature from all periods. Greater emphasis is also placed on sight-reading and ear training skills. Along with performing both in and out of school, we strive for successful participation in OMEA sanctioned events.

MUSIC HISTORY**1 Semester/2 Mods****½ credit**

Prerequisite: None

The Music History course is designed for students to pursue a fine arts credit without any performance element attached. This course will be a survey of the development of music from medieval times through the present. Students will discover the major influences of each historic musical period. Included in the class research are the development and changes in music and influences of composers and their works

MUSIC THEORY

1 Semester/2 Mods

½ credit

Prerequisite: None

Music Theory course is designed for students to pursue a fine arts credit without any performance element attached. This course focuses on the areas of reading and analyzing notated music and aural training. Particular emphasis will be placed on developing listening skills, sight singing ability, general conducting, basic piano skills and knowledge of rhythm, melody, harmony, form and other compositional devices.

MUSIC THEORY AP

1 Year/2 Mods

1 credit

(Advanced Placement)

Prerequisite: Sophomore, Junior, Senior Standing; B or higher in Music Theory or successfully pass entrance exam

The Music Theory AP course enables highly motivated students to do college level work in the areas of reading and analyzing notated music and aural training. Particular emphasis will be placed on developing listening skills, sight singing ability, general conducting, basic piano skills and knowledge of rhythm, melody, harmony, form and other compositional devices.

All students who enroll in this AP course are expected to take the AP exam in the spring. A fee (approximately \$94.00) is charged for this exam.

INSTRUMENTAL MUSIC PROGRAM

SYMPHONIC BAND

1 Year/2 Mods

1.25 credit

Prerequisite: Freshman Band or audition with director.

The main objectives of the Copley High School Band are (1) to develop skills in individual and ensemble playing and (2) to develop musical understanding through the study of a wide variety of music in both marching and concert band activities.

The band plays for all home and away football games during the regular season and playoffs. Additional performance opportunities (in the form of district and state level Ohio Music Education Association sanctioned competitions) are considered on the basis of benefit to the student and the organization at the discretion of the director. Students are required to attend summer band practices and extended practices during marching season, the first quarter of the school year.

Please note: The practice schedule is created with athletics in mind so as many students as possible may participate in both band and athletics.

*Students may pursue Physical Education Option Exemption for participation in Marching Band.

The concert bands perform several public concerts each year, may participate in district and state level band contests, and live music for the Copley High School Commencement. Selected members may also participate in the district solo and ensemble contest or various honor bands throughout the state. All performances, rehearsals, and playing tests are required.

WIND ENSEMBLE

1 Year/2 Mods

1.25 credit

Prerequisite: by audition only

All Wind Ensemble members will follow the course description listed under SYMPHONIC BAND, as well as the additions below:

Wind Ensemble is an Honors-level course that requires additional work as designated by the directors. This includes, but is not limited to, evening rehearsals, private lessons, attendance at external concerts, writing assignments, extra-curricular ensembles, participation in OMEA Solo and Ensemble Adjudicated Event, and other arts activities.

FRESHMAN BAND	1 Year/2 Mods	1.25 credit
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Prerequisite: Participation at Middle School level or audition with director.

All ninth grade students participating in the band program will follow the course description listed under SYMPHONIC BAND. Freshman band members will meet with 10th-12th grade band members throughout the first quarter of the school year during marching band season. However, after marching band season concludes, all ninth graders will participate in our Freshman Band during mods 1-2.

FALL EXEMPTION FRESHMAN, SYMPHONIC, WIND ENSEMBLE	$\frac{3}{4}$ Year/2 Mods	$\frac{3}{4}$ credit
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Students who play a Fall school-affiliated sport (Football, volleyball, soccer, girls' tennis, cross country, golf, football cheerleading) may apply to be exempt from marching band participation. They will be placed in a study hall for the first nine weeks of the school year, and will participate in concert band/symphonic band/wind ensemble only. They will earn .75 credit for participation. Fall exemption is not mandatory for fall athletes; they may participate in the full year for 1.25 credits. Completion of a Fall Exemption Form IS REQUIRED.

FLAG LINE (Color Guard)	Marching Season/2 Mods	$\frac{1}{4}$ credit
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Prerequisite: Selection is based upon audition process during the previous Spring semester

Color Guard: *Flag Line is meant for students who participate in Colorguard, but do NOT play an instrument in the band. Students who play a concert band instrument AND participate in Colorguard during marching season should only sign up for band.* Copley High School Color Guard performs with the marching band at all activities. Candidates must demonstrate ability to march and handle various pieces of equipment in an audition process in the Spring of the year. Guard members have the same performance obligations (including the summer) as members of the instrumental sections. There will also be additional practice requirements as set forth by the instructor.

WORLD LANGUAGE COURSES

Today's students will enter a world where global education and awareness are vital for success. World language classes prepare students for a 21st century paradigm by emphasizing critical thinking skills and problem-solving scenarios across disciplines, with a focus on cultural and linguistic understanding as a bridge to becoming a global citizen. Copley's students use authentic resources and real-world applications to become proficient in other languages and better prepared for success in college and in the workforce, using the newest technologies available. Students are able to take the first level of Chinese, French, German, or Spanish in the eighth grade for high school credit, enabling them to progress to the AP-level courses.

CHINESE 1	1 Year/2 Semesters	1 credit
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Prerequisite: None

By the end of the year, a Chinese 1 student will be expected to communicate at the novice-low / novice-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments. There is an emphasis on cultural comparisons and understanding, and students explore the customs of the Chinese-speaking countries. The class builds on the use of the target language, with almost 80-90% of instruction conducted in Chinese by the end of the year.

Students should expect daily homework.

CHINESE 2

1 Year/2 Semesters

1 credit

Prerequisite: Teacher Recommendation, Chinese 1

By the end of the year, a Chinese 2 student will be expected to communicate at the novice-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. 80-90% of instruction is conducted in Chinese. Students should expect daily homework.

CHINESE 3 HONORS

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in Chinese 2 or Teacher Recommendation

By the end of the year, a Chinese 3 student will be expected to communicate at the novice - high level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a third-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in Chinese. Students should expect daily homework. **Summer Assignment Required.**

CHINESE 4 HONORS

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in Chinese 3 or Teacher Recommendation

By the end of the year, a Chinese 4 student will be expected to communicate at the novice-high / intermediate-low level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a fourth-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in Chinese. Students should expect daily homework. Students will be required to take an ACTFL Proficiency Placement Test during the spring semester for an opportunity to earn the Seal of Biliteracy. **Summer Assignment Required.**

CHINESE LANGUAGE & CULTURE AP

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in Chinese IV or Teacher Recommendation

The Chinese Language and Culture AP course in Mandarin Chinese emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The Chinese Language and Culture AP course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Chinese. **Summer Assignments required.**

The Chinese Language and Culture AP course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g. tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

All students who enroll in the AP course are expected to take the AP exam in the spring. A fee (approximately \$94.00) is charged for this exam.

FRENCH 1**1 Year/2 Semesters****1 credit****Prerequisite:** None

By the end of the year, a French 1 student will be expected to communicate at the novice-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments. There is an emphasis on cultural comparisons and understanding, and students will explore the customs of the French-speaking countries of Europe, Africa, and North America. The class builds on the use of the target language, with almost 80-90% of instruction conducted in French by the end of the year. Students should expect daily homework.

FRENCH 2**1 Year/2 Semesters****1 credit****Prerequisite:** Teacher Recommendation, French 1

By the end of the year, a French 2 student will be expected to communicate at the novice-high level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. 80-90% of instruction is conducted in French. Students should expect daily homework.

FRENCH 3 HONORS**1 Year/2 Semesters****1 credit****Prerequisite:** B or higher in French 2 or Teacher Recommendation

By the end of the year, a French 3 Honors student will be expected to communicate at the intermediate-low level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a third-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in French. Students should expect daily homework. **Summer Assignment Required.**

FRENCH 4 HONORS**1 Year/2 Semesters****1 credit****Prerequisite:** B or higher in French 3 or Teacher Recommendation

By the end of the year, a French 4 Honors student will be expected to communicate at the intermediate-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a fourth-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in French. Students should expect daily homework. Students will be required to take an ACTFL Proficiency Placement Test during the spring semester for an opportunity to earn the Seal of Biliteracy. **Summer assignments required** and due by the first day of classes.

FRENCH LANGUAGE & CULTURE AP
(Advanced Placement)

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in French 4 or Teacher Recommendation

The French Language and Culture AP course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The French Language and Culture AP course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French.

The French Language and Culture AP course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g. tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). **Summer Assignments required.**

All students who enroll in this AP course are expected to take the AP exam in the spring. A fee (approximately \$94.00) is charged for this exam.

GERMAN I

1 Year/2 Semesters

1 credit

Prerequisite: None

By the end of the year, a German I student will be expected to communicate at the novice-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments. There is an emphasis on cultural comparisons and understanding, and students will explore the customs of the German-speaking countries. The class builds on the use of the target language, with almost 80-90% of instruction conducted in German by the end of the year. Students should expect daily homework.

GERMAN 2

1 Year/2 Semesters

1 credit

Prerequisite: Teacher Recommendation, German 1

By the end of the year, a German 2 student will be expected to communicate at the novice-high level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. 80-90% of instruction is conducted in German. Students should expect daily homework.

GERMAN 3 HONORS

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in German 2 or Teacher Recommendation

By the end of the year, a German 3 student will be expected to communicate at the intermediate-low level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a third-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in German. Students should expect daily homework. **Summer Assignment Required.**

GERMAN 4 HONORS

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in German 3 or Teacher Recommendation

By the end of the year, a German 4 student will be expected to communicate at the intermediate-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a fourth-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in German. A summer assignment is required and due by the first day of classes. Students should expect daily homework. Students will be required to take an ACTFL Proficiency Placement Test during the spring semester for an opportunity to earn the Seal of Biliteracy.

**GERMAN LANGUAGE & CULTURE AP
(Advanced Placement)**

1 Year/2 Semester

1 credit

Prerequisite: B or higher in German 4 or Teacher Recommendation

The German Language and Culture AP course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The German Language and Culture AP course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German.

The German Language and Culture AP course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g. tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). **Summer Assignment required.**

All students who enroll in this AP course are expected to take the AP exam in the spring. A fee (approximately \$95.00) is charged for this exam.

SPANISH 1

1 Year/2 Semesters

1 credit

Prerequisite: None

By the end of the year, a Spanish 1 student will be expected to communicate at the novice-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments. There is an emphasis on cultural comparisons and understanding, and students will explore the customs of the twenty one countries where Spanish is an official language as well as the Latino cultures in the United States. The class builds on the use of the target language, with almost 80-90% of instruction conducted in Spanish by the end of the year. Students should expect daily homework.

SPANISH 2

1 Year/2 Semesters

1 credit

Prerequisite: Teacher Recommendation, Spanish 1

By the end of the year, a Spanish 2 student will be expected to communicate at the novice-high level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. 80-90% of instruction is conducted in Spanish. Students should expect daily homework.

SPANISH 3 HONORS

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in Spanish 2 or Teacher Recommendation

By the end of the year, a Spanish 3 student will be expected to communicate at the intermediate-low level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a third-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in Spanish. A summer assignment is required and due by the first day of classes. Students should expect daily homework.

SPANISH 4 HONORS

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in Spanish 3 or Teacher Recommendation

By the end of the year, a Spanish 4 student will be expected to communicate at the intermediate-mid level according to the ACTFL (American Council on the Teaching of Foreign Languages) standards. Students will use interpretive, interpersonal, and presentational skills both in practice and for assessments in an integrated approach to learning. There is an emphasis on cultural comparisons and understanding, and students will balance technical skills with cultural awareness. Because of the more complex grammatical structures and themes in a fourth-year course, students will receive weighted grades to reflect its academic rigor. 90% of instruction is conducted in Spanish. A summer assignment is required and due by the first day of classes. Students should expect daily homework. Students will be required to take an ACTFL Proficiency Placement Test during the spring semester for an opportunity to earn the Seal of Biliteracy.

SPANISH LANGUAGE & CULTURE AP (Advanced Placement)

1 Year/2 Semesters

1 credit

Prerequisite: B or higher in Spanish 4 or Teacher Recommendation

The Spanish Language and Culture AP course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The Spanish Language and Culture AP course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

The Spanish Language and Culture AP course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g. tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). **Summer Assignment required.**

All students who enroll in this AP course are expected to take the AP exam in the spring. A fee (approximately \$94.00) is charged for this exam.

LATIN AMERICAN STUDIES

1 Semester

½ credit

Prerequisite: B or higher in Spanish 2

This course provides an interdisciplinary introduction to the cultural traditions, history and modern society surrounding the Latin American countries of the Western Hemisphere including Mexico, Central America, South America and the Caribbean. It will explore the many facets of both the previous and modern political and historical situations surrounding this region as well as current events and contemporary Latino influences in film and literature. Topics will also include economic development, ethnic and racial identity, social justice and democracy. Upon completion of Spanish II, a student will be expected to communicate at the Novice-High level according to the ACTFL standards. This course will be conducted 50-60% in Spanish with heavy emphasis on cultural comparisons and cultural awareness.

SPANISH HISTORY AND CULTURE**1 Semester****½ credit****Prerequisite:** B or higher in Spanish 2

This course provides an interdisciplinary introduction to the cultural traditions, history and modern society surrounding Spain. It will explore the many facets of both the previous and modern political and historical situations surrounding its territories and provinces as well as current events and contemporary influences in film and literature. The objective of this course is to acquire a general knowledge of the main events of the history of Spain and their influence upon contemporary Spanish life and culture. Additionally, we will discuss the major areas of Spanish life and how they have changed in the last century so as to better understand principal current ideological, political and cultural tendencies. We will explore social issues such as politics, gender, class and religion, as well as issues facing Spain today such as the economic crisis, the role of the European union, the new social movements, regionalism, etc. Upon completion of Spanish II, a student will be expected to communicate at the Novice-High level according to the ACTFL standards. This course will be conducted 50-60% in Spanish with heavy emphasis on cultural comparisons and cultural awareness.

HEALTH/PHYSICAL EDUCATION COURSES

EXTENDED STANDARDS HEALTH**1 Semester/2 Mods****½ credit****Prerequisite-** IEP required

Health will fulfill the ½ credit health requirement for graduation. Through a variety of instructional strategies, students will engage in the development of functional health education and determine personal values and essential skills that support healthy behaviors. This course is designed for the learner who benefits from a smaller class size and repeated cycles of instruction.

**This course is not included in the calculation of grade point average.*

HEALTH AND WELLNESS**1 Semester/2 Mods****½ credit***(Fulfills ninth grade requirement)***Prerequisite:** None

Health and Wellness will fulfill the 1/2 credit health requirement for graduation. Through a variety of instructional strategies aimed at the 21st century learner, students will engage in the development of functional health education (core concepts) and determine personal values and essential skills that support healthy behaviors.

AQUATIC ACTIVITIES**1 Semester/2 Mods****¼ credit****Prerequisite:** None

This class is for the student that already loves water or for the student who is willing to try new activities in an aquatic setting. The class will consist of basic swimming along with team sport games and other activities that are adapted to aquatic play. Definitely a new take on the basic swimming class.

PHYSICAL EDUCATION**1 Semester/2 Mods****¼ credit****Prerequisite:** None

This Physical Education class is designed for the student that enjoys lifetime sports with less emphasis on competition. These sports may include badminton, table tennis, bocce, corn hole, paddle ball, shuffleboard, Frisbee golf and fitness activities. Students will practice basic skills and movement patterns along with offensive and defensive strategies needed to be successful in these activities. Students will also participate in a variety of net/wall games, invasion games, target games and striking/fielding games. This course meets the state requirements for graduation.

FITNESS**1 Semester/2 Mods****¼ credit****Prerequisite:** None

This Physical Education class is designed for the student who is interested in lifelong fitness. Basic fitness concepts will be taught using a variety of fitness equipment and incorporating the newest trends in fitness training. Activities may include BOSU balls, stability balls, aerobic steps, TRX bands, circuit training, YOGA, stretch bands, and bodyweight exercises. **This class will NOT include heavy weightlifting.**

WEIGHT TRAINING**1 Semester/2 Mods****¼ credit****Prerequisite:** None

This Physical Education class is designed for those students interested in weight training. Different levels of training will be utilized to accommodate students based on their previous weight training experience. Beginning to advanced students are welcome in this class. Students will be learning the correct techniques required for safe weight training and will use this knowledge to improve their individual strength and fitness.

PHYSICAL EDUCATION OPTION**Pass or Fail**

A student who has participated in school sponsored interscholastic athletics, marching band, or cheerleading for at least two (2) full seasons is not required to complete any physical education courses as a condition to graduate. However, the student is still required to meet the minimum total credits for graduation (21). Students must sign up for PE Option on their course selection sheet during the scheduling process. Participation in interscholastic activities, marching band, or cheerleading prior to registering for PE option does not apply. Coach/teacher will sign off at completion of A sport/activity. *It is recommended that students complete two PE Options before the end of their junior year.

COMPACT CAREER TECHNICAL PROGRAMS

ELEVENTH AND TWELFTH GRADE

Students will have the opportunity to learn more about the Compact programs during the fall of their sophomore year by attending the Career Technical field trip. Students that are interested in participating in a Career Technical program should be aware of program prerequisites and graduation requirements in the 11th and 12th grade *Program of Studies* prior to enrollment. For more information on each program and to fill out an application go to www.fourcitiescompact.org.

	11th GRADE		
	Program	School	Credits
	Advancement to Nursing 1	Barberton	4
	Network Systems & Cyber Security 1	Barberton	2
	Cosmetology 1	Barberton	4
	Criminal Science Technology 1	Barberton	3
	Machine Technology 1	Barberton	3
	Fire Safety/EMT 1	Barberton	3
	Marketing Management 1	Barberton	
	Business Management 1	Barberton	
	Welding (CCP)		
	Culinary Arts 1	Copley	4
	Animal Care & Science 1	Copley	3
	Pharmaceutical Science 1	Copley	
	Athletic Health Science & Wellness 1	Norton	3
	Masonry/Building Trades 1	Norton	3
	Automotive Technologies 1	Wadsworth	3
	Carpentry 1	Wadsworth	3
	Engineering Design & Technology 1	Wadsworth	3
	Media Communication 1	Wadsworth	3
	Programming, Design & Robotics 1	Wadsworth	3
	Marketing Management 1	Wadsworth	
	12th GRADE		
	Program	School	Credits
	Advancement to Nursing 2	Barberton	3
	Network Systems & Cyber Security 2	Barberton	2
	Cosmetology 2	Barberton	4
	Criminal Science Technology 2	Barberton	3
	Machine Technology 2	Barberton	3
	Fire Safety/EMT 2	Barberton	3
	Welding (CCP)	Barberton	4 ¼
	Nursing Assistant Care	Barberton	1
	Marketing Management 2	Barberton	
	Business Management 2	Barberton	
	*Culinary Arts 2	Copley	3
	Senior Marketing Education	Copley	3 ½
	Animal Care & Science 2	Copley	3
	Pharmaceutical Science 1	Copley	
	Athletic Health Science & Wellness 2	Norton	3
	Masonry/Building Trades 2	Norton	3
	Automotive Technologies 2	Wadsworth	3
	Carpentry 2	Wadsworth	3
	Engineering Design and Technology 2	Wadsworth	3
	Media Communication 2	Wadsworth	3
	Programming, Design & Robotics 2	Wadsworth	3
	Marketing Management 2	Wadsworth	

* Culinary Arts 2 students will also earn 1 credit of Culinary Communications which is an English credit.

CAREER TECHNICAL EDUCATIONAL PROGRAMS OFFERED AT COPLEY HIGH SCHOOL

***The following courses are Compact Programs offered at Copley High School.**

CULINARY ARTS 1 AND 2

4 credits (Junior year)

(3 Credits Culinary Arts plus 1 credit Marketing)

Prerequisite: Passing Grades of Core Classes Sophomore Year

2 Year/8 Mods including Lunch

4 credits (Senior year)

(3 Credits Culinary Arts plus 1 credit English)

Junior Standing: Lab Fee \$80.00 & Uniform (Chef Pants, Chef Coat, FOH Shirt, Apron, Hat)

Senior Standing: Lab Fee \$100.00 & Uniform (Chef Pants, Two Chef Coats, Apron, Hat)

Culinary Arts 1 and 2 is a comprehensive two-year program designed to develop basic skills and management training in the food service industry. Students will develop skills and training towards several food service areas such as: fine dining and fast food restaurants, hotels, catering, nursing/retirement facilities and various entertainment complexes.

Learning experience at the in-school restaurant, "Bistro 81", will give students the learning experience needed to start at any entry level food service position. The program will expose students to a wide variety of practical learning experiences, give a general understanding of nutrition, food sanitation, basic culinary techniques, baking and culinary equipment, food preparation and more. Career paths that are available: Chef, Sous Chef, Catering and Banquet Set-Up, Salad Production and Pantry, Hotel/Restaurant Manager, Dietitian, Skills for Lifelong Living and Learning.

The curriculum is aligned with many state colleges, universities and tech schools in which students can earn college credit and industry certification. Students are able to become OSHA Certified, which is a program that is structured by the National Restaurant Association and is recognized in all restaurants and health departments across the country. The National Restaurant Association Education Foundation (NRAEF), is a nationwide system of high school restaurants and courses linked with on-the-job experiences. This program opens the doors to many opportunities including industry certification, college credit, and college scholarships. Students will also be able to view and work with Culinary Colleges, Schools, and Instructors.

If you are creative and enjoy cooking, Culinary Arts might be your recipe for success!

CULINARY COMMUNICATIONS

1 Year/2 Mods

1 credit

Prerequisite: Enrollment in Culinary Arts 2

Culinary Communications is reserved for the second year Senior Level Culinary Arts student in the Career and Technical Education program at Copley High School. Culinary Communications extends the communications and marketing skills learned by juniors, and culminates with an original design and presentation for a restaurant from blueprints to menu. The winner is voted on by the communications teacher as well as both junior and senior level culinary instructors. Additional emphasis is placed on written communication in the form of analytical essay writing.

ANIMAL CARE & VETERINARY SCIENCE 1 & 2

2 Years/6 Mods per year

3 credits per year

Prerequisite: Biology, Junior & Senior status

Animal Care and Veterinary Science is a comprehensive two year program designed to develop basic skills for working directly with animals in a variety of settings or in an animal care related field (for example veterinary facilities). A strong background in natural sciences is helpful as is the student's comfort level of working with all types of small animals, reptiles, fish and birds. Learning experiences are in both the academic classroom setting, where students conduct an in depth and rigorous study of a wide variety of animals, and hands-on lab where basic needs and care, grooming, emergency first aid, assisting in veterinary surgeries, and other skills are practiced.

PHARMACEUTICAL SCIENCE 1 & 2**2 Years/6 Mods per year****3 credits per year****Prerequisite:** Junior & Senior status; Acceptance into program

Pharmaceutical Science is a two year program designed to teach students the fundamentals of pharmacy. After completing the program, students should be well equipped with the knowledge and skills necessary to immediately begin working in the high-demand field as pharmacy technicians. Students will learn the names and uses of commonly prescribed medications, a variety of medical terminology, how to accurately prepare and distribute patient medications, how to perform pharmacy calculations, sterile and non-sterile drug compounding, and invaluable interpersonal skills. There are opportunities through this program for students to obtain OSHA Certification as well as CPR, AED and First Aid Certification and, after completion of the program, take a National Pharmacy Technician Certification exam. Students who wish to pursue post-secondary education in pharmacy or medicine will also find that the information learned in the program will give them an advantage. If you enjoy science, math, helping people and are interested in pursuing any career in the medical field, this program is the one for you!