

Clinton-Massie High School

Course Selection Guide



2019-2020

Inspire Learners ● *Empower Community* ● *Achieve Excellence*



Clinton Massie High School

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Message from the Principal

The information contained in this booklet is to assist you in planning your educational program at Clinton-Massie High School. This guide is designed to provide information for cooperative planning to meet your educational objectives. You are invited to call and arrange a conference with your counselor concerning your educational program. Choose your program of study wisely with consideration for abilities, interests, and goals. The course descriptions are written to ensure that students schedule courses that are appropriate to their ability level and career interest that satisfy graduation requirements.

Please read the course descriptions carefully, ensuring that you understand the prerequisites, expectations, and graduation requirements. Discuss classes with other students, teachers, and your parents to determine whether the level of difficulty of the class is what you expect and within your level of ability. Please complete your requests with considerable thought regarding graduation requirements, future interest, and level of difficulty.

Schedule Changes

Once schedules are finalized, changes will only be permitted for educational necessity. In the spring of each school year, you are given the opportunity to select your own course of study. Because of this selection process, you are expected to follow through with your course commitments.

IMPORTANT: SCHEDULE REQUEST CHANGES MUST BE REQUESTED BY THE END OF THE FIRST FULL WEEK OF THE SEMESTER! WITHDRAWAL FROM HIGH SCHOOL CREDIT CLASSES AFTER THIS DATE WILL RESULT IN LOSS OF COURSE CREDIT AND A "WITHDRAWAL F" ON YOUR TRANSCRIPT, WHICH CALCULATES AS AN "F" IN YOUR GPA.

Course Offerings

In order to maximize staff resources and available course offerings, student requests will drive section numbers and course offerings. Administrative discretion may be exercised for upper level courses and to ensure adequate credits are available to provide proper graduation requirements for all students.

Graduation Requirements

Required Courses and credits (23 total credits required to graduate from Clinton-Massie High School)

- English Language Arts: 4 credits
- Health: ½ credit
- Mathematics: 4 credits¹
- Physical education: ½ credit
- Science: 3 credits²
- Social Studies: 3 credits³
- Electives: 6 ½ credits⁴
- Other Requirements: Personal Finance* (1/2 credit) and Fine Arts (1 credit)⁵

¹ Mathematics credits must include 1 credit of Algebra II or the equivalent of Algebra II.

² Science credit must include 1 credit of physical sciences, 1 credit of life sciences and 1 credit advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science.

³ Social studies credits must include American history, world studies, and American government.

⁴ Electives credits must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.

⁵ All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts.

*The Classes of 2021-2022 had personal finance built into the world studies course; students in the Class of 2020 and the Classes of 2023 and beyond must complete a personal finance standalone course.



State Graduation Testing Requirements

There are three different pathways in which the student can meet the testing requirements for graduation.

1) End-Of-Course Exams: Students need to accumulate 18 points over the course of 7 End of Course Assessments in the following areas: English/Language Arts I & II, Algebra I, Geometry, U.S. History, Government, and Biology. Within those 18 points, **they must collect 4 points in Math, 4 points in ELA, 6 points in Social Sciences, and the last 4 points can come from any exam.** In an effort to ensure that students receive their required points, students who receive a 1-2 on any test may be required to retake that test. A student has the opportunity to score 1-5 points for each assessment with 5=Advanced, 4=Accelerated, 3=Proficient, 2=Basic, and 1=Limited. It is advised that if a student does not score a “3,” he/she should retake the assessment.

If the student participates in CCP, they are required to take the End-Of-Course Assessments for Algebra I, Geometry, Biology, and ELA I & II; however, their grades for Biology, U.S. History, and Government can be substituted in place of the End-of-Course Assessment. (A or B=5, C=4, D=3, F/Drop/Withdraw=0).

End-of-Course Assessment	What course goes with this assessment?	When do I take this assessment?
English/Language Arts I	English 9	Spring Freshman year
Biology	Biology	Spring Freshman year
Algebra I	Algebra I	Spring Freshman year
English/Language Arts II	English 10	Spring Sophomore year
Geometry	Geometry	Spring Sophomore year
U.S. History	U.S. History	Spring Sophomore year
Government	Government	Spring Junior year

2) ACT: Students can earn “remediation-free” scores in English Language Arts and Mathematics on a nationally-recognized college admission exam. Remediation-free scores are as follows: English (18), Math (22).

3) Industrial Credential/Workforce Readiness: Students earn 12 points through a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score on the WorkKeys assessment. This pathway is applicable for students who are attending a career center.

Early Graduation Process

The Clinton-Massie Board of Education acknowledges that some students seek to pursue educational goals that include graduation from high school at an earlier date than their designated class. A student who completes the requirements for early high school graduation may participate in the graduation ceremonies with his/her designated class or the class graduating in the year in which she/he completes the District’s requirements for high school graduation. Students interested in early graduation should see their school counselor for more details and to obtain the formal application. The deadline to apply for early graduation is October 31.



Honors Diploma

Students in the Classes of 2019 and 2020 may meet the criteria for the current Honors Diploma or the updated Honors Diploma, which is mandatory for students in the Class of 2021 and beyond (entering ninth grade after July 2017).

[Previous Honors Diploma Requirements:](#) Students in the Class of 2018, 2019, and 2020 may choose to use this criteria or the new requirements **Must meet 7 of the 8 requirements:**

	Academic Honors	Career Tech Honors
English	4 Credits	4 Credits
Math	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 Credits, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 Credits (including Chemistry and Physics)	4 Credits, including two credits of advanced science ****
Social Studies	4 Credits	4 Credits
World Languages	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages	N/A
Fine Arts	1 unit	N/A
Electives	N/A	4 Credits of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway
GPA	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Career Technical Program		Achieve proficiency benchmark established for appropriate Ohio Career Technical Competency Assessment or equivalent
Career Technical Assessment		Proficiency benchmark established for the applicable Ohio career-technical competency assessment (also referred to as OCTA or WebXam) or the equivalent assessment aligned with state approved and industry validated technical standards



Updated Honors Diploma

[New Honors Diploma Criteria:](#) This criteria begins with the Class of 2021 but can be used by current classes.

Must meet 7 of 8 requirements.

	Academic	Career Tech	STEM	Arts	Social Science & Civic Engagement
English	4 units	4 units	4 units	4 units	4 units
Math	4 units	4 units	5 units	4 units	4 units
Science	4 units including 2 advanced sciences	4 units including 2 advanced sciences	5 units including 2 advanced science	3 units including 1 advanced science	3 units including 1 advanced science
Social Studies	4 units	4 units	3 units	3 units	5 units
World Languages	3 units of 1 lang. or 2 units each of 2 languages	2 units of 1 world language	3 units of 1 language or 2 units each of 2 languages	3 units of 1 language or 2 units each of 2 languages	3 units of 1 language or 2 units each of 2 languages
Fine Arts	1 unit	N/A	1 unit	4 units	1 unit
Electives		4 units career technical	2 units with a focus in STEM	2 units with a focus in Fine Art	3 units with a focus in social sciences and/or civics
GPA	3.5	3.5	3.5	3.5	3.5
ACT/SAT/WorkKeys	27 ACT/1210 SAT	27 ACT/1210 SAT 6 WorkKeys Reading/ 6 WorkKeys Math	27 ACT/1210 SAT	27 ACT/1210 SAT	27 ACT/1210 SAT
Field Experience		Complete and document the experience in a portfolio	Complete and document the experience in a portfolio	Complete and document the experience in a portfolio	Complete and document the experience in a portfolio
Portfolio		Comprehensive portfolio of work based on field experience that has been reviewed and validated by experts in the field	Comprehensive portfolio of work based on field experience that has been reviewed and validated by experts in the field	Comprehensive portfolio of work based on field experience that has been reviewed and validated by experts in the field	Comprehensive portfolio of work based on field experience that has been reviewed and validated by experts in the field
Additional Assessments	N/A	Earn industry credential or proficient on OCTA	N/A	N/A	N/A



Clinton-Massie High School Grading System

4.000	A+,	98-100	2.000	C	77-79
4.000	A	95-97	1.667	C-	74-76
3.667	A-	92-94	1.333	D+	71-73
3.333	B+	89-91	1.000	D	68-70
3.000	B	86-88	0.667	D-	65-67
2.667	B-	83-85	0.000	F	0-64
2.333	C+	80-82			

Final Exams

A comprehensive, final exam is administered at the end of each course at Clinton-Massie High School. With the exception of administrative approval, each student is required to take the exam in every course in which he/she is enrolled. Cumulative assessments are an essential part of the educational process. The 21st Century is a time of increased accountability in public education. Standardized testing is changing across the nation, and CMHS celebrates a long history of academic achievement, as reflected in the state and national test scores of our students. Teachers work diligently to ensure each student's grades truly reflect the level of mastery with the subject matter in their courses. As such, final exams will generally include both a cumulative objective portion, as well as a performance assessment. Final exam grades will comprise 30% of a student's overall course grade, with their course grade making up the other 70%.

Weighted Grades And Courses

Certain courses are eligible for weighted grade opportunity. Weighted grades are used only for class rank to determine the graduating class valedictorian and salutatorian. Most classes are not weighted.

Weighted Course Multipliers for the class of 2021 & beyond:

1.05 Multiplier	1.15 Multiplier	1.25 Multiplier
2-D Design II	2-D Design III	Advanced Chemistry
Honors English 9	CADD III	English Composition I/II
Honors English 10	Chamber Singers 3 & 4	Calculus
CADD I/II	Chemistry	Spanish IV
Industrial Tech II	College Accounting	Intro to Physics (CCP)
Human Anatomy I	Concert Band 3 & 4	Human Anatomy & Physiology I (CCP)
Mechanical Drawing I	Financial Accounting	Pre-Calculus
Technical Drawing I	General Psychology	Human Anatomy I
Sculpture II	Great Books	Physiology II (CCP)
Spanish II	Honors Algebra II	Intro to Literature (CCP)
Honors Art 1	Honors Geometry	First Year Chemistry
Art II	Human Anatomy II	
	Humanities	All Core Content CCP
	Humanities II	Courses Taken Off -Campus
	Intermediate Algebra	
	Music Appreciation	
	Physics	
	Project Design	
	Sculpture III	
	Spanish III	
	Statistics	
	All Non-Core Content CCP	
	Courses Taken Off-Campus	



Weighted Course Multipliers for the class of 2020:

1.05 Multiplier	1.10 Multiplier	1.15 Multiplier	1.20 Multiplier	1.25 Multiplier
Art II Chemistry Great Books Industrial Tech II Mechanical Drawing I Technical Drawing I CAD I Spanish II	Honors English 9 Honors English 10 CADD II Chamber Singers 3 & 4 Concert Band 3 & 4 2D Design I, II, & III Honors Geometry Mechanical Drawing II/CAD II Sculpture I, II, & III	CADD III College Accounting Financial Accounting General Psychology Honors Algebra II Human Anatomy I Humanities Humanities II Intermediate Algebra Mechanical Drawing III/CAD III Music Appreciation Physics Project Design Spanish III Statistics All Non-Core Content CCP Courses Taken Off-Campus	Human Anatomy II Speech Spanish IV	Intro to Physics-CCP Calculus/ Analytic Geom. I - Calculus/ Geom. II English Comp I/II Human Anatomy & Physiology I - CCP Human Anatomy & Physiology II - CCP Pre-Calculus Intro to Literature (CCP) First Year Chemistry All Core Content CCP Courses Taken Off-Campus

College Entrance Exams

ACT

The ACT Assessment is a curriculum-based test designed to measure high school students' college readiness and academic achievement in four skill areas: English, mathematics, reading, and science. The writing portion, which is optional, measures a student's skill in planning and requires writing a short essay.

PSAT/NMSQT

The PSAT Assessment is similar to the SAT in measuring the ability to understand and process elements of reading, writing, and mathematics. Not only is the PSAT practice for the SAT; if the student's scores, during junior year, meet the annual benchmark, the student will qualify for National Merit and/or National Achievement Award.

SAT

The SAT Assessment is a measure of the critical thinking skills students need for academic success in college. The SAT assesses how well students analyze and solve problems - skills learned in school that are needed in college. High school juniors and seniors typically take the SAT.

Virtually all four-year colleges and universities in the United States require either the ACT or the SAT for admissions purposes.

When to Take College Entrance Exams

College entrance exams are very important and should be taken with more than casual interest due to the fact that all scores become part of a student's permanent record. They should not be taken without forethought and planning.

Sophomores can take the ACT and/or SAT in the winter, spring, or summer.

Juniors should take the ACT and/or SAT at **least** one time during their junior year. (All juniors will take the ACT in the spring as a pathway to meet graduation assessment requirements).

Seniors should take the ACT and/or SAT in the fall/winter.



Information about these tests, as well as test-prep activities, can be found at cmfalcons.org, [ACT](#), or [CollegeBoard](#).

College Credit Plus Program

Students interested in taking College Credit Plus (CCP) classes need to complete the following items to be considered eligible for the program:

- 1) Must return a signed [Intent to Participate form](#) to the CMHS Guidance Office no later than April 1.
- 2) Return and sign the [Authorization form](#) to the CMHS Guidance office (for students new to CCP and/or CMHS).
- 3) Must complete a required assessment (ACT, SAT, or ALEKS & Write Placer) from the college/university and test "College Ready." Students will be given the opportunity to take the ALEKS & Write Placer test at CMHS through Sinclair Community College.
- 4) Must complete an application with the college/university offering the course by the college deadline.

College Credit Plus (CCP), formerly known as dual-enrollment or PSEO (post-secondary enrollment options), provides an opportunity for students, grades 7-12, to take courses and earn high school and college credit at the same time. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options for the college-ready student.

Eligibility to participate in the College Credit Plus Program requires the C-M student/parent to attend a mandatory counseling session in the spring or an alternate counseling session hosted at another school district. Students who intend to participate in CCP through Clinton-Massie High School must have a signed, INTENT TO PARTICIPATE form submitted to the school counselor by April 1. This form does not commit the student to participate in the program; however, the student is NOT allowed to participate without the signed form submitted by April 1. Therefore, a student should submit the form if there is a chance that a student will participate.

Students who participate in the College Credit Plus program may not exceed full-time status, which is 30 hours, without an addition cost. Full-time status is determined by multiplying the number of high school credits a student is enrolled in by 3 and then subtracting that total from 30. This will determine how many credit hours a student can take through the College Credit Plus program. For example, a student who takes 7 full-year courses for the 2019-2020 academic year:

$$* 7 \text{ credits} \times 3 = 21$$

$$* 30 - 21 = 9 \text{ hours}$$

* This student would be eligible to take 9 credit hours through the College Credit Plus program.

Students who exceed 30 hours during the College Credit Plus academic year (Summer and Fall 2019 terms and Spring 2020 term), will be financially responsible for those courses and materials.

Clinton-Massie High School will be partnering with Sinclair Community College. Students will need to complete [Sinclair's CCP Application](#) and submit the Authorization form to the Counseling Department. Once the student is accepted to Sinclair, he/she will complete the WritePlacer and ALEKS tests or ACT to determine college readiness. Students cannot participate for CCP credit if they do not score "college ready." The WritePlacer/ALEKS is scheduled to take place at CMHS in March. All applications to Sinclair must be submitted before taking the placement test. The ACT College Readiness Benchmarks are the minimum ACT college readiness assessment scores required for students to have a high probability of success in credit-bearing college courses—English Composition, social sciences courses, College Algebra, or Biology. The ACT College Readiness Benchmark scores are as follows: English (18), Math (22). Students must have a score of 5 or higher on the WritePlacer and a score of 46 or higher on the ALEKS. ODE or Sinclair may choose to alter these numbers up to summer of 2019. Students can retake the ALEKS up to five times as long as the prep module (to study) is completed between attempts.

College/University advisors are responsible for helping students choose their courses, but the student must work with the high school Counseling Department to ensure that students are still meeting graduation requirements. It is the student's responsibility to provide the school counselors with his/her schedule immediately after registration and to inform the school counselors IMMEDIATELY of any schedule changes. Failure to comply with these requirements or to pass the CCP course may require the student to pay for the course and/or the textbooks. Additionally, if a student drops/withdraws a class after the college's posted drop date, the student will be required to pay the cost of the class and the associated textbook and materials that are not returned to CMHS.



College Credit Plus Program Courses

You will find below the courses that CCP students can take that are taught at Clinton-Massie:

C-M COURSE	Course	Hours	Sinclair Course Name
016C	ENG 1201	3	English Composition II
023C	ENG 1101	3	English Composition I
026C	LIT 2220	3	Introduction to Literature
030C	LIT 2211	3	American Literature
038C	MAT 2270	5	Calculus & Analytical Geometry
055C	ASL 1111	3	Beginning American Sign Language I
056C	ASL 1112	3	Beginning American Sign Language II
057C	MAT 1470	3	College Algebra
058C	MAT 1570	3	Trigonometry
060C	CHEM 1151	4	First Year Chemistry I (Southern State)
061C	CHEM 1152	4	First Year Chemistry II (Southern State)
066C	ACC 1210	3	Introduction to Financial Accounting
089C	MUS 1121	3	Music Appreciation
210C	MUS 1122	3	History of Pop/Rock Music
224C	ASL 1228	3	Intermediate American Sign Language I
613C	ACC 1220	3	Introduction to Managerial Accounting

Career Technical Center Partnerships

Clinton-Massie High School has partnered with three different Career Technical Centers to provide vocational education options to students. These three locations are:

[Great Oaks Career Center](#)
[Greene County Center](#)
[Warren County Career Center](#)



OHSAA Athletic Eligibility

To review OHSAA Eligibility Guidelines, use this website: [OHSAA Eligibility Guide](#). In addition to the OHSAA guidelines, the following policy will be in effect for athletes at Clinton-Massie:

To be eligible in interscholastic athletics at Clinton-Massie, a student must pass all of his/her classes and have no failing grades for the previous grading period.

- 1) If a student does not meet the eligibility standards at the end of each grading period, he/she will be ineligible to participate in sports for 10% of the scheduled contests.
- 2) The student that is ineligible will, at the beginning of the new grading period, have their eligibility checked on Fridays of each week. If at any time the student fails to meet the requirements of no Fs in all classes, he/she will remain ineligible until all grades are passing. Grades will be checked on Friday, which will determine the eligibility for Monday-Sunday of the next week.

National Collegiate Athletic Association (NCAA)

If you plan to participate in NCAA Division I or Division II athletics, you need to be certified by the NCAA Eligibility Center. If you would like to speak to a representative directly or need any additional information regarding eligibility, you may contact the NCAA Eligibility Center at (877)262-1492 or visit [NCAA Eligibility Center](#). See your school counselor with questions or if you need help.

National Association of Intercollegiate Athletics (NAIA)

If you plan to participate in NAIA athletics, you need to be certified by the NAIA Eligibility Center. If you would like to speak to a representative directly or need any additional information regarding eligibility, you may contact the NAIA Eligibility Center at (816)595-8300 or visit [NAIA Eligibility Center](#). See your school counselor with questions or if you need help.

Course Request Process & Documents

[Scheduling PowerPoint for Students in Grades 8-9](#)

[Scheduling PowerPoint for Students in Grades 10-11](#)



Agricultural Science

Agricultural Science Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
301	Agriculture, Food, & Natural Resources	9,10,11,12	Year	1	None	None
302	Animal & Plant Science	9,10,11,12	Year	1	None	None
303	Animal & Plant Biotechnology	9,10,11,12	Year	1	None	None
304	Mechanical Principles	10, 11, 12	Year	1	None	None

301 Agriculture, Food, & Natural Resources

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

This course is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience program. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

302 Animal & Plant Science

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

303 Animal & Plant Biotechnology

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

Learners will apply principles of chemistry, microbiology, and genetics to plant and animal research and product development. Students will apply genetic principles to determine genotypes and phenotypes. Students will describe the parts and functions of animal and plant cells and their importance in biochemistry. They will perform restrictive enzyme digests, Polymerase Chain Reactions and apply principles of nucleic acid blotting. This course will examine applications of Central Dogma Theory and other Molecular-Genetics Technologies.

304 Mechanical Principles

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Learners will apply the principles of engineering related to electricity, structural repair and design, use of brick, block and concrete, water distribution, and metalworking in order to maintain and manage structures and biological systems used in agriculture, food, and natural resources. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.



Business

Business Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
062	Business Foundations	9,10	Sem	.5	None	None
066	Financial Accounting	11,12	Sem	.5	None	None
066C	Financial Accounting (CCP)	11,12	Sem	.5	Student must be registered for College Credit Plus through Sinclair.	None
067	Business Capstone	11,12	Year	1	066 or 613	None
613	Managerial Accounting	11,12	Sem	.5	066	None
613C	Managerial Accounting (CCP)	11,12	Sem	.5	Student must be registered for College Credit Plus through Sinclair.	None
614	Finance Foundations	9,10	Sem	.5	None	None
617	Fundamentals of Financial Services	11, 12	Year	1	062 and/or 614	None

062 Business Foundations

Prerequisite: None Grade: 9,10 Length: Semester Credit: .5 Fee: None

This course is a graduation requirement and is generally taken Sophomore year; starting with the Class of 2021-2022, freshmen who passed World Studies have met their graduation requirement through embedded course content.

This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics, and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications, and personal financial literacy will be addressed.

614 Finance Foundations

Prerequisite: None Grade: 9,10 Length: Semester Credit: .5 Fee: None

This is the first course specific to Finance. It introduces students to the specializations offered in the career field. Students will obtain fundamental knowledge and skills in accounting, banking services, corporate finance, insurance, and securities and investments. They will acquire knowledge of financial analysis and application, business law and ethics, economics, international business, and business relationships. Knowledge management and information technology will be emphasized. Employability skills, leadership, and communications will be incorporated into classroom activities.



617 Fundamentals of Financial Services

Prerequisite: [062](#) or [617](#) Grade: 10,11 Length: Year Credit: 1 Fee: None

Students will develop knowledge and skills needed in the banking, insurance and investment industries. They will analyze banking products and services, determine ways in which insurance reduces risk, and calculate insurable losses. Students will also learn to sell financial products and build positive relationships with clients and colleagues. They will use financial ratios to evaluate company performance and select profitable investments for clients. Technology, employability skills, leadership and communications will be incorporate in classroom activities. (primarily a junior course with a commitment to taking Financial and Managerial Accounting, 1 credit-full year)

066C Financial Accounting (CCP)

Prerequisite: See description Grade: 10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be registered for [College Credit Plus](#) through Sinclair. This course will cover all aspects of basic accounting. Using a combination of manual and computer applications, students will work with checking accounts, accounts payable/receivable, taxes, payroll, keeping a ledger, preparing financial reports, and more. This course is essential for any student considering a Business degree at the college level.

*Course fee is paid through ODE through CCP funding.

613C Managerial Accounting (CCP)

Prerequisite: See description Grade: 10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be registered for [College Credit Plus](#) through Sinclair. This course is a combination of Financial and Managerial Accounting with an introduction to the preparation and use of accounting reports for business entities and managers. Topics will include the following: focus on uses of accounting for external reporting, emphasizing accounting as a provider for financial information, use of accounting for planning and control, performance evaluation, decision-making and the statement of cash flows, along with financial statement analysis. This course is for any student who is registered to take CCP courses and wants to pursue a Business degree at the college level.

*Course fee is paid through ODE through CCP funding.

066 Financial Accounting

Prerequisite: [062](#) Grade: 10,11,12 Length: Semester Credit: .5 Fee: None

This course will cover all aspects of basic accounting. Using a combination of manual and computer applications, students will work with checking accounts, accounts payable/receivable, taxes, payroll, keeping a ledger, preparing financial reports, and more. This course is essential for any student considering a Business degree at the college level.

613 Managerial Accounting

Prerequisite: [066](#), [062](#), [614](#) Grade: 11,12 Length: Semester Credit: .5 Fee: None

This course is a combination of Financial and Managerial Accounting with an introduction to the preparation and use of accounting reports for business entities and managers. Topics will include the following: focus on uses of accounting for external reporting, emphasizing accounting as a provider for financial information, use of accounting for planning and control, performance evaluation, decision-making and the statement of cash flows, along with financial statement analysis. This course is for any student who wants to pursue a Business degree at the college level.

067 Business Capstone

Prerequisite: [066](#), [613](#) Grade: 11,12 Length: Year Credit: 1 Fee: None

This course is the capstone course of the Great Oaks Business Academy. Students will apply their knowledge and skills that they are learning in the program in a more comprehensive and authentic way in a business environment outside of school. Senior business management students will build advanced skill sets based on their earlier coursework by working hands-on in a variety of business fields. During the course, students will participate in three to four internships; each lasting from eight to ten weeks. Reliable transportation to and from the internship site is a necessity.



Computer Technology

Computer Technology Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
501	Digital Graphics & Design	9,10,11,12	Sem	.5	None	\$15
502	Computer Programming & Robotics	9,10,11,12	Sem	.5	None	\$25
503	Web Design	9,10,11,12	Sem	.5	None	None
504	Computer Technology in Engineering & Design	9,10,11,12	Sem	.5	None	\$25
505	Digital Photography	9,10,11,12	Sem	.5	None	\$15
506	Digital Media & Communication	9,10,11,12	Sem	.5	None	\$20

501 Digital Graphics & Design

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$15

Students will learn fundamental visual communication and graphic design concepts and principles. They will learn to create, manipulate, and publish images, graphics, layouts, and basic animations, and designs for both print and digital media using computer applications and apps such as the Adobe Creative Suite.

502 Computer Programming & Robotics

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$25

Students will learn fundamental concepts and principles for computer programming and explore how computers, robotics, automation, and technology impact our world. They will learn how to use the design process and collaborate to solve real-world problems through computer programming, robotics, automation, and the application of technology.

503 Web Design

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: None

Students will learn fundamental concepts, principles, tools, and techniques used in web design. They will use the design process to create and develop web pages and websites using HTML, CSS, and website building and publishing applications. Various concepts and practices for content organization, user experience, user interface, and visual design will be introduced.

504 Computer Technology in Engineering & Design

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$25

Students will use the design process and further develop critical thinking skills with hands-on problem-solving activities through project-based learning, using technology related to the fields of engineering and design. Students will learn and apply three-dimensional design techniques as an introduction to Computer-Aided-Design, Computer-Aided-Manufacturing, and Computer-Aided-Simulation.



505 Digital Photography

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$15

Students will learn and apply technical knowledge and creative composition techniques necessary to produce creative, quality digital photographs. Computer applications and apps (such as Adobe Photoshop) will be used to edit and manipulate digital photographs. Additionally, students will gain historical and contemporary knowledge, skills, and appreciation of photography as a medium for creative expression and visual communication. If possible, students should provide their own digital camera. (Counts as a ½ credit of Fine Art)

506 Digital Media & Communication

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$20

Students will learn to create and use digital media for effective communication. They will plan, produce, and publish digital copy, visuals, audio, and video for social media and other audiences using a variety of technology through real-world, Project-Based-Learning.



English

English Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
002	English 9	9	Year	1	None	\$20
003	English 10	10	Year	1	None	\$25
004	English 11	11	Year	1	None	\$20
006	English 12	12	Year	1	None	\$20
008	Humanities II (Age of Reason-Modern)	11,12	Year	1	None	\$20
009	Honors English 9	9	Year	1	CMHS Placement Rubric	\$25
010	Honors English 10	10	Year	1	Gifted Identification, an AIR testing result of 4 or 5 on the 9th grade ELA, MAPS score or Administrative approval.	\$25
013	Introduction to Speech (not for English credit)	11,12	Sem	.5	None	None
014	Great Books	11,12	Year	1	None	\$40
016C	English Composition II (CCP)	9,10,11,12	Sem	1	Taken English Composition I (or equivalent) for college credit	None
019	Humanities I (Prehistoric - Renaissance)	11,12	Year	1	None	\$20
023C	English Composition I (CCP)	9,10,11,12	Sem	1	Registered as a College Credit Plus student with Sinclair.	None
025	Creative and Multimedia Writing	11,12	Sem	.5	B or higher in 10th grade English	None
026C	Introduction to Literature (CCP)	9,10,11,12	Sem	1	Registered as a College Credit Plus student with Sinclair.	None
030C	American Literature I (CCP)	9,10,11,12	Sem	1	Registered as a College Credit Plus student with Sinclair.	None



002 English 9

Prerequisite: None Grade: 9 Length: Year Credit: 1 Fee: \$20

The course will include a concentrated review of the fundamentals of English usage and will focus on practical experience in writing. Students learn to distinguish among basic modes of literature by reading short stories, poems, novels, and essays that differ in style and theme. Student will complete the English Language Arts I End-of-Course Assessment at the conclusion of this course.

003 English 10

Prerequisite: None Grade: 10 Length: Year Credit: 1 Fee: \$20

The course will combine a general study of coming-of-age literature with a writing workshop. Students will learn to apply the conventions of English to their writing to become more effective communicators. Various types of literature will be studied and complemented with various essays and projects. Basic research will include the production of a research paper and presentation. Student will complete the English Language Arts II End-of-Course Assessment at the conclusion of this course.

004 English 11

Prerequisite: None Grade: 11 Length: Year Credit: 1 Fee: \$20

Students will trace the development of 20th Century American literature and its relationship with American society. This course focuses on the work of authors who have received both popular and critical acclaim. Further, students will write about personal experiences, complete research projects, and write literary analyses. Course fee covers the cost of supplemental reading material that students keep.

006 English 12

Prerequisite: None Grade: 12 Length: Year Credit: 1 Fee: \$20

The course continues the writing process as a focus that includes formal research, creative projects, literary analysis, and persuasion. Writing will be taught in conjunction with English and modern literature. Students will analyze short stories, poetry, mystery, and young adult novels, non-fiction, and contemporary music. Course fee covers the cost of supplemental reading material that students keep.

008 Humanities II (Age of Reason-Modern)

Prerequisite: None Grade: 11,12 Length: Year Credit: 1 Fee: \$20

The purpose of this course is to give students the opportunity to examine literature from the Age of Reason to the Modern Era, covering Rationalism, Romanticism and Realism, and Modern. Emphasis is placed on the study of literature along with its relationship to other arts such as music, visual arts, and philosophy. This course has no pre-requisite and can be taken with or without completion of Humanities I. Course fee covers the cost of supplemental reading material that students keep.

009 Honors English 9

Prerequisite: See description Grade: 9 Length: Year Credit: 1 Fee: \$25

Student must have a qualifying score based on [CMHS Placement Rubric](#) and seats in the course must be available. This course will focus on a survey of American and British Literature. Students will read a wide variety of novels, poetry, fiction, and non-fiction pieces that make up the basis for both the American and British cannon. This course will also heavily dive into writing. Writings will deal with expository, persuasive, and creative formats. Students should expect a much more extensive workload and intensity level. Student will complete the English Language Arts I End-of-Course Assessment at the conclusion of this course.



010 Honors English 10

Prerequisite: See description Grade: 10 Length: Year Credit: 1 Fee: \$25

Student must have either a Gifted Identification, an AIR testing result of 4 or 5 on the 9th grade ELA, MAPS score or Administrative approval. This course will focus on a survey of American and British Literature. Students will read a wide variety of novels, poetry, fiction, and non-fiction pieces that make up the basis for both the American and British cannon. This course will also heavily dive into writing. Writings will deal with expository, persuasive, and creative formats. Students should expect a much more extensive workload and intensity level. Student will complete the English Language Arts I End-of-Course Assessment at the conclusion of this course.

013 Introduction to Speech (not for English credit)

Prerequisite: None Grade: 11,12 Length: Semester Credit: .5 Fee: None

Students will learn the principles of effective public speaking through the preparation and performance of informative and persuasive speeches, emphasizing accurate and effective language, posture, and movement. This class does include reading and analysis of speeches given throughout history. This course is typically taken during junior or senior year by those students who have completed English 10 or higher.

014 Great Books

Prerequisite: None Grade: 11,12 Length: Year Credit: 1 Fee: \$40

This course is designed for students preparing for college or seeking challenging reading material. This is a reading intensive course. Students will read and evaluate a number of novels, which reflect universal themes of literature. Students will complete a research project and other related projects. Students will be expected to write a variety of responses to the literature, as well as personal and reflective writing.. Course fee covers the cost of supplemental reading material that students keep.

016C English Composition II (CCP)

Prerequisite: See description Grade: 9, 10,11,12 Length: Year Credit: 1 Fee: None*

Student must have taken English Composition I (or equivalent) for college credit. English Composition II, building on the skills in English Composition I, develops rhetorical literacy through research, critical reading, and multigenre writing tasks. Through major and minor, cumulative and stand-alone assignments, students construct arguments and analyses, ethically incorporating academic sources while developing their own voices as writers and citizens.

*Course fee is paid through ODE through CCP funding.

019 Humanities I (Prehistoric - Renaissance)

Prerequisite: None Grade: 11,12 Length: Year Credit: 1 Fee: \$20

The purpose of this course is to give students the opportunity to examine literature from mankind's early times to the Renaissance, covering the prehistoric man, the Classical Ages of Greece and Rome, the Medieval Period, and the Renaissance. Emphasis is placed on the study of literature along with its relationship to other arts such as music, visual arts, and philosophy.. Course fee covers the cost of supplemental reading material that students keep.

023C English Composition I (CCP)

Prerequisite: See description Grade: 9, 10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be registered as a [College Credit Plus](#) student with Sinclair. In English Composition I, students learn reflective, analytical and argumentative writing strategies, incorporating sources and personal experience. Students will negotiate between public and private rhetorical situations and purposes to achieve academic literacy. They will write multiple drafts using a recursive writing process as they work toward fluency in style and mechanics. **This is a writing intensive course.**

*Course fee is paid through ODE through CCP funding.



030C American Literature I (CCP)

Prerequisite: See description Grade: 9,10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be registered as a [College Credit Plus](#) student with Sinclair. A chronological survey of major writers of American poetry, drama, and prose from the Colonial Period through the Civil War (through 1865)

*Course fee is paid through ODE through CCP funding.

025 Creative and Multimedia Writing

Prerequisite: See description Grade: 11,12 Length: Semester Credit: .5 Fee: None

Student must have achieved an A or B in 10th grade English. This course is designed to both spark the creative nature of writing and evolve student interaction and analysis through the digital medium. Students will work to improve their writing abilities through careful study of established authors' crafts and their own practice. This course will also involve creating and analyzing different forms of multimedia content, such as films, podcasts, blogs, and other web-based content. The majority of the work for this course will be completed via the Internet, so access outside of school is highly recommended.

026C Introduction to Literature (CCP)

Prerequisite: See description Grade: 9,10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be registered as a [College Credit Plus](#) student with Sinclair. Introduction to Literature introduces students to the major literary genres of literature, including narrative fiction, poetry, and drama. Emphasis is placed on literary terminology and interpretation. Upon completion, students should be able to analyze and respond to literature. Students will effectively and ethically argue their interpretations of literary works using textual evidence and Modern Language Association (MLA) documentation.

*Course fee is paid through ODE through CCP funding.



Art

Art Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
111	Art I	9,10,11,12	Year	1	None	\$65
112	2-D Design II - Drawing / Painting	11,12	Year	1	Complete Art I and achieve a B or better in 2-D Design I	\$75
113	Art II	10,11,12	Year	1	111 or Honors Art in 8th grade	\$65
114	2-D Design I - Drawing Concentration	10,11,12	Year	1	B or better in Art I or Honors Art in 8th grade	\$75
115	Ceramics and Sculpture I	10,11,12	Year	1	111 or Honors Art in 8th grade	\$65
116	Ceramics and Sculpture II	11,12	Year	1	111 & 115	\$65
118	2-D Design III - Drawing and Painting	12	Year	1	B or better in 2-D Design II and completed Art I	\$75
119	Ceramics and Sculpture III	12	Year	1	B or better in Sculpture II and completed Art I .	\$65
120	Honors Art I	9	Year	1	8th Grade Art or have administrative approval.	\$65
121	Crafts I	9,10,11,12	Sem	.5	None	\$55

111 Art I

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: \$65

Necessary for all students who are NEW to the HS Art Program

This course is an introduction and overview of the world of Art. Students will experience several techniques, artists, and cultures through a variety of assignments. The goals of perfecting artistic skills and improving visual thinking are interwoven throughout this class. There will be textbook work, homework, quizzes, studio work and a written final exit exam. The Supply Materials Fee covers all Art media/supplies necessary for this class.

112 2-D Design II - Drawing / Painting

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: \$75

Student must have completed [Art I](#) and achieved a B or better in [2-D Design I](#). This class is a continuation of skills acquired in Design I. This is a portfolio driven studio-based class. The Supply Materials Fee covers all Art media/supplies necessary for this class.



113 Art II

Prerequisite: [111](#) or 8th Honors Art Grade: 10,11,12 Length: Year Credit: 1 Fee: \$65

This course will extend the information presented in the Art 1 class. Students will work with diverse media and varied subject matter as well as learning about cultures, styles of Art, and work created by established artists. A variety of 2-D and 3-D works of Art will be created. This a partial studio/lab course. The Supply Materials Fee covers all Art media/supplies necessary for this class.

114 2-D Design I - Drawing Concentration

Prerequisite: See description Grade: 10,11,12 Length: Year Credit: 1 Fee: \$75

Student must have achieved a B or better in [Art I](#). This class is for advanced Art students who desire to attend an Arts College and/or plan to pursue a career in Art. Assignments are challenging and require out-of-class time to complete. This is a portfolio driven-studio based class. The Supply Materials Fee covers all Art media/supplies necessary for this class.

115 Ceramics and Sculpture I

Prerequisite: [111](#) or 8th Honors Art Grade: 10,11,12 Length: Year Credit: 1 Fee: \$65

This course primarily focuses on the use of clay to create ceramics with time also spent learning about and experiencing other 3-D media like Model Magic, Papier Mache, and Wire. This is a studio-based class but due to the nature of the media, textbook work and quizzes are a part of this class. The Supply Materials Fee covers all art media/supplies necessary for this class.

116 Ceramics and Sculpture II

Prerequisite: [111](#) & [115](#) Grade: 11,12 Length: Year Credit: 1 Fee: \$65

This class is a continuation of skills acquired in Sculpture I. This is a studio-based class. The Supply Materials Fee covers all Art media/supplies necessary for this class.

118 2-D Design III - Drawing and Painting

Prerequisite: See description Grade: 12 Length: Year Credit: 1 Fee: \$75

Student must have achieved a B or better in [2-D Design II](#) and completed [Art I](#). This class is a continuation of skills acquired in Design I and II. This is a portfolio driven studio class. The Supply Materials Fee covers all Art media/supplies necessary for this class.

119 Ceramics and Sculpture III

Prerequisite: See description Grade: 12 Length: Year Credit: 1 Fee: \$65

Student must have achieved a B or better in [Sculpture II](#) and completed [Art I](#). This class is a continuation of skills acquired in Sculpture I and II. This is a studio-based class. The Supply Materials Fee covers all Art media/supplies necessary for this class.

120 Honors Art I

Prerequisite: See description Grade: 9 Length: Year Credit: 1 Fee: \$65

Student must have taken 8th Grade Art or have administrative approval. This course is an accelerated version of the Art I curriculum. Identified students in Visual Art will be challenged with competition quality work while learning the essentials necessary for success in the creative process. The Supply Materials Fee covers all Art media/supplies necessary for this class. Students who took Honors Art 8 in the Class of 2023 have completed the requirements for this course.



121 Crafts I

Prerequisite: None

Grades 9,10,11, 12

Length: Semester

Credit: .5

Fee: \$55

This course is intended for the students who are interested in the creative process, but not interested in the fine art aspect (drawing/painting). Students will learn about the art and craft of various cultures while creating works of art. Students will get to experience working with a variety of different mediums such as paint, fabric, metal, wood, and yarn, while learning multiple studio techniques. Keeping a folder, presentation, as well as major projects are all components of this course in addition to the in-class projects.



Industrial Technology

Industry Technology Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
100	Industrial Technology - Wood I	9,10,11,12	Sem	.5	None	\$15
101	Industrial Technology - Wood II	9,10,11,12	Sem	.5	100	\$15
102	Metals I	10,11,12	Sem	.5	100	\$15
103	Project Design: Woods	10,11,12	Sem	.5	C or higher in Metals I & II or Woods I & II .	\$15
104	Project Design: Metals	10,11,12	Sem	.5	100 & 101 or 102 & 103	\$15
105	Metals II	10,11,12	Sem	.5	102	\$15
106	Technical Drawing I	9,10,11,12	Sem	.5	None	\$10
107	CADD Drawing I	9,10,11,12	Sem	.5	C or higher in Technical Drawing I	\$5
108	CADD Drawing II	10,11,12	Sem	.5	C or higher in CADD Drawing I	\$5
109	CADD Drawing III	10,11,12	Sem	.5	C or higher in CADD Drawing II	\$5

100 Industrial Technology - Wood I

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$15

The course begins with drawings, measuring, lab mathematics, and problem-solving. Projects will be constructed using hardwoods. Work involves students designing and building a required project but will apply their own creative touches. Ultimately this will become a take-home project. Students will apply laws and principles learned in other classes, project planning, and problem-solving while learning skills & techniques in the proper use of hand and power tools. developing a good work ethic, and demonstrating proper lab safety throughout the course.

101 Industrial Technology - Wood II

Prerequisite: [100](#) Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$15

The course begins where Wood I left off with reviewing the safe operation of the machines previously learned as well as introducing some new ones. You will be learning various joints and techniques associated with wood construction. You will also be designing your own individual project from dimensioned orthographic drawings to the final steps of procedures needed for completion of the project. When finished, you will have a take-home project that you can utilize and enjoy.



103 Project Design: Woods

Prerequisite: See description Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$15

Student must have earned a C or higher in [Metals I & II](#) or [Woods I & II](#). This course is designed to allow the students to use knowledge and techniques learned in previous courses to further build and develop skills and learn new aspects involved in project construction. The students will be required to develop a plan for their project but will be limited to a medium used in their past classes and machines available.

102 Metals I

Prerequisite: [100](#) Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$15

The course reviews, extends, and refines the basic skills learned in Woods I, but the medium used will be metals. The students will learn those processes dealing with manipulating and fabricating metal projects: forging, cutting, lathe-turning, and welding. In turn, they will produce such projects as screwdrivers, examples of mig and stick welds, oxy-acetylene puddles, tents and cuts, plasma cutting, and lathe turning.

105 Metals II

Prerequisite: [102](#) Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$15

The course reviews, extends, and refines the basic skills learned in Woods I, but the medium used will be metals. The students will learn those processes dealing with manipulating and fabricating metal projects: forging, cutting, lathe-turning, and welding. In turn, they will produce such projects as screwdrivers, examples of mig and stick welds, oxy-acetylene puddles, tents and cuts, plasma cutting, and lathe turning.

104 Project Design: Metals

Prerequisite: [100&101](#) or [102&103](#) Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$15

This course is designed to allow the students to use knowledge and techniques learned in previous courses to further build and develop skills and learn new aspects involved in project construction. The student will be required to develop a plan for their project, but they will be limited to a medium used in their past classes and machine availability.

106 Technical Drawing I

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$10

The course is a study of the techniques and symbols used for the graphic representation of ideas and plans as found in the industrial world. It includes the basics of straight edge drawing, combined with some design aspects. All of this is accomplished with the aid of a board, T-square, triangles, compass, and dividers. This course is highly recommended for those interested in going into engineering and design fields.

107 CADD Drawing I

Prerequisite: See description Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$5

Student must have earned a C or higher in [Technical Drawing I](#). After a brief review of the information learned in Technical Drawing I, we will introduce today's technologies with hands-on experiences utilizing a CADD (Computer-Aided Drafting and Design) system. We will increase the level of accuracy and precision as the difficulty of drawings increases. We will also introduce 3-D modeling toward the end of the year.

108 CADD Drawing II

Prerequisite: See description Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$5

Student must have earned a C or higher in [CADD Drawing I](#). Advanced orthographic projection and isometric drawings, geometrical constructions, revolutions, intersections, sections, and size descriptions will be studied in this advanced course. CADD will be used predominantly, including 3D modeling and potentially some 3D printing.



109 CADD Drawing III

Prerequisite: See description Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$5

Student must have earned a C or higher in [CADD Drawing II](#). This course will start out in 3D house construction and will eventually lead into a virtual simulation flythrough of the structure. This course offers the opportunity for students to venture into individualized focuses, such as architecture, engineering, etc. and will involve extensive use of the CADD system.



Mathematics

Mathematics Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
021	Geometry	9,10,11	Year	1	039	None
021A	Applied Geometry	10	Year	1	039A	None
027	Probability & Statistics	11,12	Year	1	Completed Honors Algebra II or have instructor permission	None
030	Honors Geometry	9,10	Year	1	Freshmen - CMHS Placement Rubric Sophomores - B+ or better in Algebra 1 and/or have administrative approval.	None
031	Honors Algebra II	10,11,12	Year	1	B+ or better in Geometry or Honors Geometry and/or have administrative approval	None
036	Algebra II	10,11,12	Year	1	Geometry or Honors Geometry or administrative approval	None
037	Pre-Calculus	11,12	Year	1	Honors Algebra II , College Algebra , or Algebra II with administrative approval	None
038	Calculus and Analytical Geometry	11,12	Year	1	Honors Algebra II , College Algebra , or Algebra II with administrative approval	None
038C	Calculus and Analytical Geometry I (CCP)	9,10,11,12	Year	1	Pre-Calculus (MAT 1580, or MAT 1470 and MAT 1570, or college-approved equivalent) taken for College Credit Plus credit	None
039	Algebra I	9,10	Year	1	None	None
039A	Applied Algebra I	9	Year	1	None	None
055	Topics In Mathematics	12	Year	1	036	None
056	Intermediate Algebra	11,12	Year	1	B or higher in Algebra II or have administrative approval.	None
057C	College Algebra (CCP)	9,10,11,12	Sem	1	Registered College Credit Plus student with Sinclair	None
058C	Trigonometry (CCP)	9,10,11,12	Sem	1	057C , & registered College Credit Plus student with Sinclair	None
206	Pre-Algebra	9	Year	1	Qualifying scores on pre-test/MAPS/points rubric	None



021 Geometry

Prerequisite: [039](#) Grade: 9,10,11 Length: Year Credit: 1 Fee: None

This course studies the basics of segments, lines, angles, parallels, perpendiculars, polygons, congruent triangles, quadrilaterals, ratios, proportions in similar polygons, right triangles, circles, area, constructions, and coordinate geometry. Much work is done with formulas and equations. Proofs are included but are not a major component of the course. After taking this course, students will be prepared for Algebra II or Honors Algebra II. For students wishing to get ahead mathematically, this course and Algebra II or Honors Algebra II may be taken concurrently (with permission from teachers involved). Student will complete the Geometry End-of-Course Assessment at the conclusion of this course.

027 Probability & Statistics

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: None

Student must have completed [Honors Algebra II](#) or have instructor permission. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The class will move at a fast pace. Students may take the AP Statistics exam at the end of the year. A score of 3 or higher on the AP exam is awarded college credit by most colleges. An exam fee will apply.

030 Honors Geometry

Prerequisite: See description Grade: 9,10 Length: Year Credit: 1 Fee: None

Freshmen students must have a qualifying score upon [CMHS Placement Rubric](#) and seats in the class must be available. Sophomores must have achieved a B+ or better in [Algebra 1](#) and/or have teacher approval. This course surveys the basics of segments, angles, parallels, perpendiculars, polygons, congruent triangles, quadrilaterals, ratios, proportion similar polygons, right triangles, circles, area, constructions, and coordinate geometry. The emphasis is placed on the application of material to deductive proofs and numerical formulas and equations (more so than the regular Geometry course). This course will prepare students for the accelerated math classes and the ACT/SAT. After taking this course, students will be prepared for Honors Algebra II. For students wishing to get ahead mathematically, this course and Algebra II or Honors Algebra II may be taken concurrently (with permission from administration/teachers involved). Students will complete the Geometry End-of-Course Assessment at the conclusion of this course.

031 Honors Algebra II

Prerequisite: See description Grade: 10,11,12 Length: Year Credit: 1 Fee: None

Student must have achieved a B+ or better in [Geometry](#) or [Honors Geometry](#) and/or have teacher approval. This mathematics course contains a short review of linear functions and a major focus on non-linear functions. Other topics included are fitting models to data, solving systems, working with exponents and roots (including radical notation), logarithms, polynomial functions, trigonometry, and matrices. This class prepares students for higher-level thinking and problem solving. This course is more in depth and moves at a faster pace than Algebra II. After taking this course, students will be prepared for Pre-Calculus and/or AP Statistics. NOTE: Students may take this course concurrently with Geometry or Honors Geometry.

036 Algebra II

Prerequisite: See description Grade: 10,11,12 Length: Year Credit: 1 Fee: None

Student must have completed [Geometry](#) or [Honors Geometry](#). This mathematics course contains a short review of linear functions and a major focus on non-linear functions. Other topics included are fitting models to data, solving systems, working with exponents and roots (including radical notation), logarithms, polynomial functions, trigonometry, and matrices. This class prepares students for higher-level thinking and problem solving. NOTE: Students may take this course concurrently with Geometry or Honors Geometry.



037 Pre-Calculus

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: None

Student must have completed [Honors Algebra II](#), [College Algebra](#), or [Algebra II](#) with teacher approval. This course will include the following topics: polynomial, radical, rational, exponential and logarithmic functions and their graphs, roots of polynomial functions, rational and polynomial inequalities, conic sections, systems of linear equations; sequences and series.

Trigonometric functions of angles, solving right and oblique triangles, trigonometric identities and equations, vectors, radian measure, graphs of trigonometric functions, inverse trigonometric functions and applications. A scientific (non-graphing) calculator is required.

038 Calculus and Analytical Geometry

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: None

Student must have completed [Honors Algebra II](#), [College Algebra](#), or [Algebra II](#) with teacher approval. This course will include the following topics: polynomial, radical, rational, exponential and logarithmic functions and their graphs, roots of polynomial functions, rational and polynomial inequalities, conic sections, systems of linear equations; sequences and series.

Trigonometric functions of angles, solving right and oblique triangles, trigonometric identities and equations, vectors, radian measure, graphs of trigonometric functions, inverse trigonometric functions and applications. A scientific (non-graphing) calculator is required.

038C Calculus and Analytical Geometry I (CCP)

Prerequisite: See description Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None*

Student must have completed Pre-Calculus (MAT 1580, or MAT 1470 and MAT 1570, or college-approved equivalent) taken for [College Credit Plus](#) credit. This course will include the following topics: cartesian coordinate system, functions, limits and continuity of functions, the derivative and its applications, the integral and the Fundamental Theorem of Calculus. Derivatives and integrals involving piecewise, polynomial, rational, algebraic, exponential, logarithmic, trigonometric, inverse trigonometric and hyperbolic functions and their inverses.

*Course fee is paid through ODE through CCP funding.

039 Algebra I

Prerequisite: None Grade: 9,10 Length: Year Credit: 1 Fee: None

This course continues the study of Algebra from 8th grade math. The course will study exponents and exponential functions, polynomials, factoring, quadratic equations, radicals, rational equations, data analysis, and probability. Students will also be introduced to several topics in geometry. After taking this course, students will be prepared for Geometry or Honors Geometry (with administrative approval). Students will complete the Algebra I End-of-Course Assessment at the conclusion of this course.

055 Topics In Mathematics

Prerequisite: [036](#) Grade: 12 Length: Year Credit: 1 Fee: None

This is a course designed for students to earn their fourth credit in mathematics. This course is application based focusing on real-world applications of trigonometry, statistics, probability, and elementary functions.

039A Applied Algebra I

Prerequisite: None Grade: 9 Length: Year Credit: 1 Fee: None

The first course in a high school sequence addressing the content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. This course is to be taken concurrently with Algebra I. Student will complete Algebra End-of-Course Assessment upon conclusion of the course. **Placement will be based on upon Math Placement Rubric.**



021A Applied Geometry

Prerequisite: [039A](#) Grade: 10 Length: Year Credit: 1 Fee: None

The second course in a high school sequence addressing the content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. This course is to be taken concurrently with Geometry. Students will complete Geometry End-of-Course Assessment upon conclusion of the course. **Placement will be based on upon Math Placement Rubric.**

056 Intermediate Algebra

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: None

Student must have achieved a B or higher in [Algebra II](#) or have administrative approval. A course designed for students in upper grades making a transition to a college preparatory program. The content is from the high school portion of the New Learning Standards for Mathematics, including both new and previously-addressed topics with increasing emphasis on symbol manipulation and mathematical structure. This course will prepare students for their entry-level math their first year of college; however, this course cannot be taken for college credit.

057C College Algebra (CCP)

Prerequisite: See description Grade: 9, 10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be a registered [College Credit Plus](#) student with Sinclair and must meet Sinclair's testing requirements. Polynomial, radical, rational, exponential and logarithmic functions and their graphs; roots of polynomial functions, rational and polynomial inequalities; systems of linear and nonlinear equations; matrices; and applications. **College Algebra (MAT 1470) and Trigonometry (MAT 1570) are the equivalent of Pre-Calculus (MAT 1580) at Sinclair.**

*Course fee is paid through ODE through CCP funding.

058C Trigonometry (CCP)

Prerequisite: See description Grade: 9, 10,11,12 Length: Semester Credit: 1 Fee: None*

Student must have taken [057C](#), be a registered [College Credit Plus](#) student with Sinclair and meet Sinclair's testing requirements. Trigonometric functions of angles, solving right and oblique triangles, identities, trigonometric and inverse trigonometric equations, vectors, radian measure, graphs of trigonometric functions and inverse trigonometric functions, conic sections, sequences, and series. **College Algebra (MAT 1470) and Trigonometry (MAT 1570) are the equivalent of Pre-Calculus (MAT 1580) at Sinclair.**

*Course fee is paid through ODE through CCP funding.

206 Pre-Algebra

Prerequisite: See description Grade: 9 Length: Year Credit: 1 Fee: None

Student must have qualifying scores on pre-test/MAPS/points rubric. A course designed to be an introduction to basic algebra concepts and a review of arithmetic algorithms. This course focuses on algebraic thinking, while allowing the time for in-depth work of word problems, as well as hands-on strategies to strengthen student's numerical and operational understanding of basic mathematical functions. The course emphasizes the concepts necessary to be successful in Algebra I and II. The course helps students develop good mathematical study skills and learning strategies.



Music

Music Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
070	American Popular Music	9,10,11,12	Sem	.5	None	None
072	Chamber Singers	9,10,11,12	Year	1	Audition only	None
073	Band	9,10,11,12	Year	1	None	None
074	Symphonic Choir	9,10,11,12	Year	1	None	None
077	Basic Piano	9,10,11,12	Sem	.5	None	\$17
080	Basic Guitar	9,10,11,12	Sem	.5	None	\$15
087	Jazz Band/Advanced Ensemble	9,10,11,12	Sem	.5	8th Concert Band	None
088	Intro to Theatre	9,10,11,12	Sem	.5	None	\$25
089	Music Appreciation	10,11,12	Sem	.5	None	None
089C	Music Appreciation (CCP)	10,11,12	Sem	1	Registered College Credit Plus student with Sinclair	None
090	Basic Percussion	10,11,12	Sem	.5	None	\$20
210C	History of Rock/Pop Music (CCP)	10,11,12	Sem	1	Registered College Credit Plus student with Sinclair	None

070 American Popular Music

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: None

This class CANNOT be repeated. The course is the history of popular music and the effect it has had on our culture and world. Some general knowledge in music is required. The class will explore blues, jazz, rock, pop, country, hip-hop and R&B. Computers and headphones are needed daily.

072 Chamber Singers

Prerequisite: Audition Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

This performing group is the most select and advanced auditioned mixed choir. The focus will be on improving tone production, tuning, blend, and balance as well as listening and sight reading skills. They will perform a wide variety of styles and quality choral literature. Their performances include 4 quarterly concerts plus other extra performances, including OMEA Large Group Competition, Homecoming Game, and Graduation. There are also opportunities for additional optional participation in events such as solo and ensemble and honor choir. **It is strongly preferred that any student who wishes to be a member of the show choir Falconaires be in Symphonic Choir and/or Chamber Singers.**



073 Band

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

This performance group is the foundation of all instrumental programs and groups at Clinton-Massie. The emphasis is on the basics of instrument playing, tone development, note reading, and general performance. Students will perform in at least four quarterly concerts during the year. Leadership positions and solos are available for students in their junior and senior years. Students are also required to participate in additional activities such as graduation, Memorial Day Service in Clarksville, and Pep Band games.

Anyone wanting to sign up for marching band must be in a daily concert band or jazz band class. Students must be developing their skills on a daily basis. The only exception is for career center and College Credit Plus students, but these individuals must be approved by the band director. Marching band may utilize a small portion of class time for practice. Non- marching band students will have the time for supplemental music or additional practice time.

074 Symphonic Choir

Prerequisite: None Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

This performance group is designed for those students interested in performing with a mixed choral group. Emphasis is on the basics of tone production, harmony, ear training, breathing techniques, and sight-reading. Students will explore developed skills in singing in multiple parts and will perform at 4 quarterly concerts during the year. There are also opportunities for additional optional participation in events such as solo and ensemble and honor choir. **It is strongly preferred that any student who wishes to be a member of the show choir Falconaires be in Symphonic Choir and/or Chamber Singers.**

077 Basic Piano

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$17

This class CANNOT be repeated. This course is a general overview of the history and making of the piano, general music theory, and performing on the piano. This is for students with little or no background in music or playing the piano. Students taking this course will have to complete a school contract to use the pianos in class. This is a performance-based course, and students will be required to participate and perform on a daily basis. Course fee covers cost of two workbooks that students keep.

080 Basic Guitar

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$15

This class CANNOT be repeated. This course is a general overview of the history and making of the guitar, general music theory, and performing on the guitar. This class is for students with little or no background in music or playing the guitar. Students taking this course will be required to bring their own guitar. This is a performance-based course, and students will be required to participate and perform on a daily basis.

**Students can rent a school guitar for \$25 per semester. A \$15 fee covers course books that students will keep.

087 Jazz Band/Advanced Ensemble

Prerequisite: 8th Concert Band Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: None

This instrumental performing ensemble will explore various levels and genres of music. Prior instrumental experience is required to participate in the course. Students will be required to participate and to attend concerts. Concert band is the foundation of the program and is a requirement for each student taking this course. This class is a semester class.



088 Intro to Theatre

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$25

This class CANNOT be repeated. This course will provide an introduction to drama, combining both acting-related skills and theater appreciation. Students will be introduced to topics including: theater history, roles and careers, writing scripts, terminology, publicity, and production. In addition, students will practice physical and speaking techniques to improve their performance abilities. All students will perform scenes and monologues, participate in individual and group assignments, and are expected to participate in daily classroom activities. The fee covers the cost of a workbook that the students keep.

089 Music Appreciation

Prerequisite: None Grade: 10,11,12 Length: Semester Credit: .5 Fee: None

This class is a survey of the history and development of music in Western culture from Ancient Greece and Medieval music up through 20th century music and Jazz. Important composers, genres, and styles of music will be studied and placed in historical perspective.

089C Music Appreciation (CCP)

Prerequisite: See description Grade: 9,10,11,12 Length: Semester Credit: .1 Fee: None*

Student must register as a Sinclair [College Credit Plus](#) student. This class is a survey of the history and development of music in Western culture from Ancient Greece and Medieval music up through 20th century music and Jazz. Important composers, genres, and styles of music will be studied and placed in historical perspective. This class is for dual credit.

*Course fee is paid through ODE through CCP funding.

210C History of Rock/Pop Music (CCP)

Prerequisite: See description Grade: 9,10,11,12 Length: Semester Credit: .1 Fee: None*

Student must register as a Sinclair [College Credit Plus](#) student. The musical reasons and social conditions under which pop music and rock music have developed, with particular emphasis on music from 1955 until the present. The personalities, events and music that shaped this music and which continue to evolve today. This class is for dual credit.

*Course fee is paid through ODE through CCP funding.

090 Basic Percussion

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: \$20

This course is the general overview of the percussion family, general music history, and performing on basic percussion instruments. Prior music experience is not required. Students will learn how to read music and play a variety of percussion instruments. Students will be expected to play and participate on a daily basis. The fee includes drumsticks and book.



Physical Education

Physical Education Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
081	Health	9	Sem	.5	None	None
082	Physical Education	9	Sem	.25	None	\$25
084	Free Weight Training	10,11,12	Sem	.25	082 or PE Waiver	\$25
085	Life Fitness	9,10,11,12	Sem	.25	082 or PE Waiver	\$25
086	Advanced Weight Training	11,12	Sem	.5	084	\$25
087	Nutrition & Wellness	10,11,12	Sem	.5	082 or PE Waiver	None
088	Sports Medicine	10,11,12	Sem	.5	082 , or 085 or PE Waiver	None
0082	PE Waiver	9,10,11,12		.00	None	None

081 Health

Prerequisite: None Grade: 9 Length: Semester Credit: .5 Fee: None

The course includes a basic study of the following: anatomy and physiology of the human body; cause, cure, and prevention of diseases; the effects of alcohol, tobacco, and drugs on the body; first aid and safety; physical, mental, and emotional development; sexually transmitted diseases; human reproduction; and nutrition.

082 Physical Education

Prerequisite: None Grade: 9 Length: Semester Credit: .25 Fee: \$25

This course combines use of the fitness room with traditional physical education. Students will circuit train three days per week and have two days of traditional PE class. The class is designed to improve the student's personal level of fitness while incorporating education of sport rules, skills, and strategy. The fee for course covers the cost of the uniform.

084 Free Weight Training

Prerequisite: [082](#) or [PE Waiver](#) Grade: 9,10,11,12 Length: Semester Credit: .25 Fee: \$25

For those with a *serious* interest in strength training to increase size, definition and strength levels of muscle. The class will include data collection, analysis and reports of fitness training, as well as, research and presentation of fitness topics. Fee for course covers the cost of the uniform. (Enrollment in this course may be limited/denied to repeat students to allow other students who require this credit to graduate first.)

085 Life Fitness

Prerequisite: [082](#) or [PE Waiver](#) Grade: 9,10,11,12 Length: Semester Credit: .25 Fee: \$25

Class incorporates aspects of aerobic and resistance training along with basic nutrition topics for the improvement of current fitness with the goal of developing a lifelong fitness plan. Fee for course covers the cost of uniform. (Enrollment in this course may be limited/denied to repeat students to allow other students who require this credit to graduate first.)



086 Advanced Weight Training

Prerequisite: [084](#) Grade: 11,12 Length: Semester Credit: .5 Fee: \$25

Class for the **dedicated** student prepared for strenuous activity, data collection, research with the goals of creating an individual program by the end of course and application for future use. (Enrollment in this course may be limited/denied to repeat students to allow other students who require this credit to graduate first.)

087 Nutrition & Wellness

Prerequisite: [082](#) or [PE Waiver](#) Grade: 10,11,12 Length: Semester Credit: .5 Fee: None

Students will increase their knowledge of comprehensive health and wellness. Students will be able to identify the components of fitness and communicate the relationship between physical fitness, physical performance, injury prevention, and nutritional intake. Students will evaluate an individual's state of nutrition based upon the impact of personal choices and social, scientific, psychological, and environmental influences. Further, students will calculate an individual's kilocalorie burn rate and recommend an idea diet and physical fitness plan.

088 Sports Medicine

Prerequisite: See description Grade: 10,11,12 Length: Semester Credit: .5 Fee: None

Student must have completed [082](#), or [085](#) or [PE Waiver](#). Educational activities concerned with the effects of sports and exercise on health and fitness and with the prevention and treatment of athletic injuries.

0082 PE Waiver

Prerequisite: None Grade: 9,10,11,12 Length: Credit: .00 Fee: None

Student must participate in two full seasons (90% minimum participation) of a qualifying sport/activity. Approved activities consist of interscholastic sports, marching band and cheerleading). Successful participation of the qualifying activity will waive the need to complete .5 credits of PE, .5 credits of alternate elective will need to be selected for graduation requirements. To participate students must indicate the course selection on their scheduling sheet, complete the [PE Waiver Form](#) within the first 10 days of your activities season and turn completed form into Athletic Director.



Science

Science Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
041	Physical Science	10	Year	1	None	None
043	Biology	9	Year	1	None	None
044	Chemistry	10,11,12	Year	1	043	\$10
045	Human Anatomy & Physiology I	11,12	Year	1	C or better in 043	None
046	Physics	11,12	Year	1	044 and 036 or have administrative approval	\$10
048	Human Anatomy & Physiology II	11,12	Year	1	C or better in 045 or have administrative approval	\$8
049	Advanced Chemistry	11,12	Year	1	044 and/or have administrative approval	None
060C	First Year Chemistry I (CCP)	11,12	Sem	1.33	SSCC College Credit Plus requirements and SSCC Chem 1120 or high school Chemistry and Algebra II.	None
061C	First Year Chemistry II (CCP)	11,12	Sem	1.33	SSCC Chem 1151	None
079	Zoology	10,11,12	Year	1	043 or 041 and 044	\$8
201	Physics of Sports	11,12	Sem	.5	Algebra 1 recommended.	None

041 Physical Science

Prerequisite: None Grade: 10 Length: Year Credit: 1 Fee: None

This course is an introduction to basic conceptual and mathematical concepts in physics, chemistry, and earth/space science. These topics include: measurement, the metric system, motion, forces, energy, matter and changes in matter, atom, the periodic table, our universe and the planet earth.

043 Biology

Prerequisite: None Grade: 9 Length: Year Credit: 1 Fee: None

Students will demonstrate an understanding of how living systems function and how they interact with the physical environment. This includes an understanding of the cycling of matter and flow of energy in living systems. An understanding of the characteristics, structure and function of cells, organisms and living systems will be developed. Students will also develop a deeper understanding of the principles of heredity, biological evolution, and the diversity and interdependence of life as well as various historical perspectives, scientific approaches, and emerging scientific issues associated with the life sciences. Students will complete the Biology End-of-Course Assessment at the conclusion of this course.



044 Chemistry

Prerequisite: [043](#) Grade: 10,11,12 Length: Year Credit: 1 Fee: \$10

As a discipline, chemistry is the study of the properties, composition, and changes of matter. Students study basic atomic structure, the periodic table, chemical nomenclature, the mathematics of chemistry, chemical bonding, chemical reactions, stoichiometry, gas laws, and nuclear reactions. This course is intended for those students planning to attend college. Students are expected to have strong math skills and good study habits. The course fee covers the cost of laboratory chemicals.

049 Advanced Chemistry

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: None

Student must have completed [044](#) and/or have administrative approval. Advanced high school level course that satisfies Ohio's science graduation requirements as required by section 3313.603 of the Ohio Revised Code, which requires inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. Course develops specialized content to extend connections, depth, and detail of chemistry that emphasizes content beyond what is outlined in Ohio's New Learning Standards and Model Curriculum for Science, High School Chemistry. Content may include concepts in inorganic, organic, analytical, physical, or and biological chemistry.

045 Human Anatomy & Physiology

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: None

Student must have achieved a C or better in [043](#). This course is a study of the human body and its functions. It is designed for those students who are interested in medical-related careers. It stresses the structure and function of the body and its systems as they operate individually and as the total human organism.

046 Physics

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: \$10

Student must have completed [044](#) and [036](#) or have administrative approval. This course is designed to provide students opportunities to study the conceptual, mathematical, and graphical concepts in physics. **A working knowledge of algebra, geometry, and basic trigonometry is essential.** The course covers the following topics: one-dimensional motion, two-dimensional motion, forces, conservation of energy and momentum, rotational motion, optics, and electromagnetism. Laboratory skills include the ability to make and interpret graphs, analyze small sets of data, and to design or create experiments in order to test or verify concepts covered in class. This course is recommended for students interested in pursuing a degree in science, math, engineering, and/or medicine. **A graphing calculator is recommended.** Course fees cover all laboratory materials and supplies for projects.

048 Human Anatomy & Physiology II

Prerequisite: See description Grade: 11,12 Length: Year Credit: 1 Fee: \$8

Student must have achieved a C or better in [045](#) or have administrative approval. This course is a continuation of the study of the human body anatomy with a strong emphasis on physiology. It is designed for those students who are interested in medical-related careers. It stresses the structures and function of the body and its systems as they operate individually and as the total human organism. Fee covers cost of specimens for dissection.

079 Zoology

Prerequisite: See description Grade: 10,11,12 Length: Year Credit: 1 Fee: \$8

Student must have completed [043](#) or [041](#) and [044](#). This course is designed to provide students with an overview of the diversity of living things on our planet with a strong emphasis on zoology, the study of the animal kingdom. The structures, functions and behaviors and development of simple microorganisms to complex animals will be explored. Animal dissections are a requirement in this course. Fee covers cost of specimens for dissection.



201 Physics of Sports

Prerequisite: See description Grade: 11,12 Length: Semester Credit: .5 Fee: None

[Algebra 1](#) recommended. Physics and sports will feed off of each other as you learn introductory physics concepts and how physicists understand the wide world of sports. On the one hand, sport will provide the setting for mastering ideas for physics. On the other hand, physics will be the tool used to better understand what happens in various sports.

060C First Year Chemistry I (CCP) - Southern State

Prerequisite: See description Grade: 11,12 Length: Semester Credit: 1.33 Fee: None*

Student must have completed SSCC [College Credit Plus](#) requirements and SSCC Chem 1120 or high school Chemistry and Algebra. This course is a college level chemistry course covering measurement, significant figures, moles, chemical formulas, chemical equations, stoichiometry, acids and bases, oxidation-reduction, thermochemistry, quantum mechanics, atomic orbitals, and bonding theories. Students taking this course will receive one high school credit for the course and 0.33 high school credit for the lab.

*Course fee is paid through ODE through CCP funding.

061C First Year Chemistry II (CCP) - Southern State

Prerequisite: See description Grade: 11,12 Length: Semester Credit: 1.33 Fee: None*

Student must have completed SSCC Chem 1151. This course is a continuation of the study of college chemistry covering gases, intermolecular forces of attraction and phase changes, solutions and colligative properties, chemical kinetics, chemical equilibrium, acid-base equilibria, thermodynamics, electrochemistry, and descriptive chemistry. Students taking this course will receive one high school credit for the course and 0.33 high school credit for the lab.

*Course fee is paid through ODE through CCP funding.



Social Studies

Social Studies Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
015	Geographic Cultures in History	9,10,11,12	Sem	.5	None	None
022	Modern World History	9	Year	1	None	None
024	United States History	10	Year	1	None	None
025	Introduction to Psychology	11,12	Year	1	022 & 024 or CCP Equivalent	None
026	Government & Applied Social Studies	11,12	Year	1	None	None
028	Sociology	11,12	Year	1	022 & 024 or CCP Equivalent	None
029	Current Events	10,11,12	Sem	.5	None	None
214	Developmental Psychology	11,12	Sem	.5	None	None
215	Sports Psychology	11,12	Sem	.5	None	None
216	Ohio History	9,10,11,12	Sem	.5	None	None

022 Modern World History

Prerequisite: None Grade: 9 Length: Year Credit: 1 Fee: None

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 power, the wars that changed empires, the ideas that led to independent 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 includes the financial literacy requirement mandated by legislation for graduation eligibility.)

024 United States History

Prerequisite: None Grade: 10 Length: Year Credit: 1 Fee: None

This course focuses on the United States in the 20th century, from both the American and world-view perspectives. An important goal is to help students understand how modern history - people, events, ideas, and issues - have influenced their lives, as well as our nation's development in an interdependent world. This will be accomplished through an integrated study of historical, global/cultural, geographic, economic, political and governmental perspectives. By approaching issues and content in this way, students will make connections among local, national, and global events and issues, and recognize the value of participatory citizenship in creating a strong and viable nation. Students will develop their critical thinking, research, writing, and reporting skills through projects and through an in-depth examination of themes and topics. Students will complete the U.S. History End-of-Course Assessment at the conclusion of this course.



025 Introduction to Psychology

Prerequisite: [022](#) & [024](#) Grade: 11,12 Length: Year Credit: 1 Fee: None

This course is designed to involve the student in the scientific study of theories and concepts related to the individual. Students learn basic psychological theories and concepts through classroom discussion and experimentation. Current topics in psychology are emphasized. This is recommended for students who plan on attending college. Sophomores must have at least an 87% in English in order to be able to effectively write and express their thoughts. Sophomores must also have teacher approval to sign up for the class.

026 Government & Applied Social Studies

Prerequisite: None Grade: 11,12 Length: Year Credit: 1 Fee: None

Students will focus on the structure, concepts, and principles of American Government through an emphasis on timely as well as enduring issues related to our nation's governance. Students will examine such topics as U.S. Constitution, bill of rights, federalism, law and justice. Students will spend one quarter dealing with economic concerns like deficit spending, market economy, and supply and demand. Students will be encouraged to participate as active citizens in the community. The skills of issue identification, data collection, problem-solving, and critical analysis will be emphasized. In addition, students will use primary source materials, engage in debates, simulations, and discussions, and write about enduring as well as contemporary issues. Students will complete the Government End-of-Course Assessment at the conclusion of this course.

028 Sociology

Prerequisite: [022](#) & [024](#) Grade: 11,12 Length: Year Credit: 1 Fee: None

The course examines the structure and relationships among human groups (family, age groups, gender groups, etc.), and how they relate to society as a whole. Students will use critical thinking skills to examine controversial topics and present arguments in class. A major part of this course is devoted to contemporary problems such as deviance, plight of minority groups, decline of the family unit, education, and religion. This course involves a lot of class discussions that the student will be required to participate in. There is also a lot of writing involved with this class, in the form of research papers, debate topics, and essay tests.

029 Current Events

Prerequisite: None Grade: 10,11,12 Length: Semester Credit: .5 Fee: None

This course analyzes events that are presently taking place. Sources for this class will include newspapers, magazines, and the Internet. This is an elective for upperclassmen interested in happenings in the world today. This class emphasizes class discussion and participation. Students will be required to discuss topics in a large group setting as well as give presentations to the class.

015 Geographic Cultures in History

Prerequisite: None Grade: 9,10,11,12 Length: Semester Credit: .5 Fee: None

This course will focus on the impact of geographical location on cultures throughout the world. Students will learn about countries, cities, cultures, and physical features on the world's seven continents. Students will also learn about how cultures have been impacted by the geographical features of a particular continent.

214 Developmental Psychology

Prerequisite: None Grade: 11,12 Length: Semester Credit: .5 Fee: None

This course will include research and theory concerning the physical, cognitive, and psychosocial development of children to adolescents from conception to late teenage years. Coursework will cover the impact of genetic, prenatal, and environmental factors that may affect children's development and challenges that this age range may face.



215 Sports Psychology

Prerequisite: None

Grade: 11,12

Length: Semester

Credit: .5

Fee: None

This course will provide students with knowledge about psychological factors that affect performance in sports such as motivation, concentration, focus, confidence, anxiety, and relaxation. Students will also be introduced to mental skills that will enhance performance, make athletic participation more enjoyable, and learn skills that can be transferred to other aspects of their lives. Specific skills to be covered in this class will include: how to set measurable goals and strategies to achieve them, visualization and imagery techniques, leadership, team-building, and how to best cope and recover from injuries.

216 Ohio History

Prerequisite: None

Grade: 9,10,11,12

Length: Semester

Credit: .5

Fee: None

Students will study a wide range of primary and secondary sources that tell the rich history of Ohio and the local communities. Students will do projects and research in order to be an active learner in exploring the role of Ohio and these local communities in national and world history. Each student will participate in the construction of a project in an area related to this course. This course is for those students with a special interest in history and the willingness and desire to read and research the stories of history.



World Languages

World Languages Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
051	Spanish I	9,10,11,12	Year	1	English Teacher Recommendation	None
052	Spanish II	9,10,11,12	Year	1	B or better in Spanish I .	None
053	Spanish III	9,10,11,12	Year	1	B or better in Spanish II	None
054	Spanish IV	9,10,11,12	Year	1	B or better in Spanish III	None
055C	Beginning American Sign Language I (CCP)	9,10,11,12	Sem	1	Registered College Credit Plus student with Sinclair	None
056C	Beginning American Sign Language II (CCP)	9,10,11,12	Sem	1	023C & 055C	None
224C	Intermediate American Sign Language I (CCP)	9,10,11,12	Sem	1	055C	None
225C	Intermediate American Sign Language II (CCP)	9,10,11,12	Sem	1	023C , 055C , 224C , ASL 1101	None

051 Spanish I

Prerequisite: See description Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

This course is an introduction to the Spanish language and Spanish-speaking cultures. The focus will be placed on beginning vocabulary and expressions that will build the foundation for further study. Basic grammar and writing skills in the present tense are covered. Emphasis is placed on interpersonal communication through discussion of daily routines and situations. Students will be exposed to the Spanish language for a good portion of class on a daily basis, and they will be expected to speak in the target language as much as possible. In this course, students will be introduced to various aspects of the cultures of different Spanish-speaking countries.

052 Spanish II

Prerequisite: See description Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

Student must have achieved a B or better in [Spanish I](#). This course is a continuation of Spanish I with an increased focus on conversational, writing, and reading skills. A more advanced vocabulary is presented in addition to more complex grammatical structures, with a focus on the past tense. Students continue to explore various aspects of the cultures of different Spanish-speaking countries. Emphasis is placed on the development of skills needed for oral and written communication in Spanish. A great deal of the class will be conducted in Spanish and students are expected to speak the language as much as possible in class.



053 Spanish III

Prerequisite: See description Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

Student must have achieved a B or better in [Spanish II](#). This class introduces advanced grammatical structures as well as a much more complex and detailed vocabulary. Students work with various verb tenses such as present, past, future, conditional, and perfect tenses in the Spanish language in their daily conversations, in their written work, in their listening activities, and in authentic readings. In this class, students will focus on grammatical structures such as direct and indirect objects and commands. This class is conducted almost exclusively in Spanish and students are required to speak the language. Students will continue to explore the culture of Spanish-speaking countries and cultural discussions and presentations will be conducted in the target language.

054 Spanish IV

Prerequisite: See description Grade: 9,10,11,12 Length: Year Credit: 1 Fee: None

Student must have achieved a B or better in [Spanish III](#). Communication skills are the focus and most essential part of this course; however, a more advanced study of grammatical structures is also provided. Students converse with the simple present, past, conditional, and future tenses, as well as compound tenses and progressive tenses. The subjunctive mood is also explored and utilized in depth, as it is essential to the Spanish language. The course seeks to expose students to more complex and detailed vocabulary and grammatical structures through thematic units that include topics from the cultures of different Spanish-speaking countries, including but not limited to history, literature, film, music, and art. This course is conducted in Spanish and students are required to speak Spanish in class. This course is designed for the serious, college-bound student, particularly those who wish to seek a college major or minor in Spanish

055C Beginning American Sign Language I (CCP)

Prerequisite: See description Grade: 9,10,11,12 Length: Semester Credit: 1 Fee: None*

Student must be registered as a [College Credit Plus](#) student with Sinclair. This course provides a foundation for non-signers to study American Sign Language (ASL) and learn about deaf culture. It includes principles, methods, and techniques for communicating with deaf individuals who sign. Focusing on the development of receptive and expressive sign skills, manual alphabet, numbers, sign vocabulary, syntax, grammar, and culture. This course will be taught by a Sinclair professor who will be teaching at CMHS three days per week; the other two days per week, the students will apply and practice the content language in study hall.

*Course fee is paid through ODE through CCP funding.

056C Beginning American Sign Language II (CCP)

Prerequisite: [023C](#) & [055C](#) Grade: 9,10,11,12 Length: Semester Credit: 1 Fee: None*

Continue to study American Sign Language (ASL) grammatical structure, vocabulary, fingerspelling, use of signing space, conversational regulators and introductory aspects of deaf culture. This course will be taught by a Sinclair professor who will be teaching at CMHS three days per week; the other two days per week, the students will apply and practice the content language in study hall.

*Course fee is paid through ODE through CCP funding.

224C Intermediate American Sign Language I (CCP)

Prerequisite: [055C](#) Grade: 9,10,11,12 Length: Semester Credit: 1 Fee: None*

Express abstract concepts in ASL using appropriate grammatical structure, signing space, vocabulary, fingerspelling, and non manual markers. The course also features continued development of conversational regulators and aspects of deaf culture. This course will be taught by a Sinclair professor who will be teaching at CMHS three days per week; the other two days per week, the students will apply and practice the content language in study hall.

*Course fee is paid through ODE through CCP funding.



225C Intermediate American Sign Language II (CCP)

Prerequisite: [023C](#) , [055C](#), [224C](#), ASL 1101 Grade: 9,10,11,12 Length: Semester Credit: 1 Fee: None*

Expands the ability to express abstract concepts in American Sign Language (ASL), further develops vocabulary and receptive and expressive fluency. Read and discuss topics related to deaf culture. Development of basic interpreting skills through classroom activities. Deaf community interaction required. This course will be taught by a Sinclair professor who will be teaching at CMHS three days per week; the other two days per week, the students will apply and practice the content language in study hall.

*Course fee is paid through ODE through CCP funding.



Additional Courses

Additional Course Offerings						
Course #	Course Title	Grade	Length	Credit	Prerequisite	Fee
078	Introduction to the Teaching Profession	10,11,12	Sem	.5	None	None
200	Student Aide	9,10,11,12	Sem	0	See description	None
202	Career Exploration	12	Sem	.5	See description	\$20
203	Late Arrival	12	Sem	0	See description	None
205	Credit Recovery	10,11,12	Sem	1	See description	None
207	Early Dismissal	12	Sem	0	See description	None
208	Service Learning	11,12	Sem	.5	See description	None
212	ACT Prep	10,11,12	Sem	.5	None	\$20
	Experiential Learning - Internship	9,10,11,12	Sem	.5	See description	

078 Introduction to the Teaching Profession

Prerequisite: None Grade: 10,11,12 Length: Semester Credit: .5 Fee: None

This course provides students with the opportunity to explore the field of teaching by reflecting upon their interest in education and further their understanding the expectations placed upon educators today. Students will be introduced to instructional strategies, professional expectations, certification requirements, lesson planning, learning standards, and other realities of the career. Students will observe classrooms and develop connections with other educators to support future ambitions and better understand the professional responsibilities required of teachers.

212 ACT Prep

Prerequisite: None Grade: 10,11,12 Length: Semester Credit: .5 Fee: \$20

This course will familiarize students with the content and format of the ACT exam. Students will learn test-taking strategies specifically related to the ACT, as well as review English, math, and science content. They will take practice tests to prepare for the ACT. Students will be placed with a math teacher for a quarter and then be placed with an English teacher for the other quarter. This course will be pass/fail. Students will be required to take the ACT on a Saturday some time during the 2019-2020 school year. The fee will cover the cost of an ACT manual that students will keep.



202 Career Exploration

Prerequisite: See description Grade: 12 Length: Semester Credit: .5 Fee: \$20

Career exploration is when you attend Clinton-Massie High School for four periods. **You cannot take any study halls, be an aide, or be in Service Learning.** You then leave to go to work or an internship. You must work at least **7.5 hours a week**. You will be responsible to turn in your pay stub or timesheet each week to the counseling office. You may be required to provide written reflections about your work/internship experience. You will then receive a work-study credit by working the required hours outside of school. **You must pick up an application in the Counseling Office. SENIORS ONLY!**

You must:

1. Missed 11 or fewer days your junior year
2. No more than 3 classes needed to graduate
3. Must have an approved job placement by school counselor
4. Have a job or approved internship placements
5. Turn in your pay stub each week/biweekly to School Counselor
6. Keep grades above a C- at interims and the end of the quarter, or you will be removed from Career Exploration for at least one week and must attend study hall during the periods you are assigned to Career Exploration. Your counselor will check your grades again after one week; if your grades are back to a C- average, you can resume Career Exploration. If not, you will attend study hall until you receive a C- average. If you leave school when you are supposed to be in study hall, it will be counted as an unexcused absence, and you will face any and all consequences for unexcused absences.

203 Late Arrival

Prerequisite: See description Grade: 12 Length: Semester Credit: 0 Fee: None

Seniors have the option of one period of Late Arrival. All attendance requirements will be enforced, including consequences for tardiness to school (detentions, Friday School, and potential loss of driving privileges).

You must:

1. Missed 11 or fewer days your junior year
2. No more than 4 classes needed to graduate
3. Keep grades above a C- at interims and the end of the quarter, or you will be removed from Late Arrival for at least one week and must attend study hall during the periods you are assigned to Late Arrival. Your counselor will check your grades again after one week; if your grades are back to a C- average, you can resume Late Arrival. If not, you will attend study hall until you receive a C- average. If you leave school when you are supposed to be in study hall, it will be counted as an unexcused absence, and you will face any and all consequences for unexcused absences.

205 Credit Recovery

Prerequisite: None Grade: 10,11,12 Credit: 1/course Fee: None or \$450 if course failed/not complete

For credit deficient students, a digital remediation courses that helps you recover credits and get you back on the pathway to graduation. Approval is needed from School Counselor.



207 Early Dismissal

Prerequisite: See description

Grade: 12

Length: Semester

Credit: 0

Fee: None

This will only apply to 7th period. Seniors choosing early release will be unable to participate in extracurricular activities or sports at C-M. Due to safety issues in and around C-M Local School's parking lots and driveways at the time of school dismissals, any student leaving under previously described conditions may not return to school grounds until 4pm, after all buses, students, and parents have left. Students who, under special and limited circumstances, find it necessary to return prior to this time must receive prior approval from the high school principal or assistant principal. This includes, but is not limited to appointments to see a teacher, assemblies, pick up siblings/friends, etc. **SENIORS ONLY!**

You must:

1. Missed 11 or fewer days your Junior year
2. No more than 4 classes needed to graduate
3. Keep grades above a C- at interims and the end of the quarter, or you will be removed from Early Dismissal for at least one week and must attend study hall during the periods you are assigned to Early Dismissal. Your counselor will check your grades again after one week; if your grades are back to a C- average, you can resume Early Dismissal. If not, you will attend study hall until you receive a C- average. If you are not at school when you are supposed to be in study hall, it will be counted as an unexcused absence or tardy to school, and you will face any and all consequences for unexcused absences/tardy to school.

208 Service Learning

Prerequisite: See description

Grade: 11,12

Length: Semester

Credit: .5

Fee: None

Student must have a teacher recommendation, no suspensions during the previous year and passed all classes in previous school year. This course is designed for motivated student leaders who have the interest and desire to do volunteer work with professionals in the school community. Students will be actively involved in assisting a staff member with any duties required of the student. **This will not be a study hall.** You must be on time and report to your assignment every day. Students enrolled in the course are required to reflect on their learning and how what they are learning applies to their futures. You must participate in at least two approved leadership activities during the semester OR you must complete 10 hours of approved community service not related to your placement. Any significant disciplinary issues during the semester a student is enrolled in Service Learning may result in removal from the placement and zero credit.

You cannot:

1. Earn more than one credit of service learning in high school
2. Have more than one period of service learning in the same semester
3. Have any grade below a D at interims (or you will be removed from your placement and placed in study hall)
4. Have early dismissal, late arrival, career exploration or be a student aide

200 Student Aide

Prerequisite: See description

Grade: 9,10,11,12

Length: Semester

Credit: 0

Fee: None

Student must have a teacher recommendation, no suspensions during the previous year and passed all classes in previous school year. Student aides will be assigned to one teacher for the semester for one period per day. No credit will be given for this placement, but students are expected to report to their placement every day. Students will serve to assist teachers with professional needs and are expected to maintain decorum and limits of confidentiality. Students are responsible to find their own placement. Each staff member cannot have more than one student aide (without Administrative approval). Any disciplinary referral during the semester placement will result in the loss of the privilege of being an aide; students who lose privileges will report to study hall.

You must:

1. Missed 11 or fewer days the previous year
2. Not have a study hall, Service Learning, Early Dismissal, Late Arrival or Career Exploration
3. Keep grades above an F by midterm or you will be removed from the placement until the end of the quarter and put into Study Hall for the rest of the quarter.



Experiential Learning - Internship

Prerequisite: See description

Grade: 9,10,11,12

Length: Semester

Credit: .5

Fee: None

The internship provides students with the opportunity to apply concepts learned in the classroom to real-world experiences. Through direct observation and critical reflection, students gain an understanding of workplace expectations, professional work habits, and exposure to real-world problems and issues while exploring a career field of interest. Students should hold a current driver's license and provide their own transportation. Selection will be established by an application and interview process using criteria determined by the business partner. Students will be expected to participate in and successfully complete the job skills monthly training with the program coordinator. Students must complete 70 hours of work and also submit time cards or check stubs to verify number of hours worked or completed. Students will be allowed to complete one credit of experiential learning during each school year (summer counts toward the upcoming school year.)



CMHS Placement Rubric

Honors ELA/Math/Spanish Placement Rubric

Student: _____

Class Rank: _____

Subject: _____

Gifted Identification: Yes _____ (1 point) No _____ (0 point)

AIR Test Results (2018)

_____ Accelerated (1 point) _____ Advanced (2 points)

MAP Results (Winter):

_____ Accelerated (1 point) _____ Advanced (2 points)

Report Card Average (1st, 2nd, 3rd Quarters):

Honors Course	or	Regular Course
_____ A = 3		_____ A = 2
_____ B = 2		_____ B = 1

Total Points: _____

