

# West Carrollton High School 2024-2025 Course of Studies



Discover your path!

## **Your High School Counselor can help you:**

- Select appropriate high school courses to meet West Carrollton graduation requirements and track your progress toward graduation
- Take college courses for credit at West Carrollton High School
- Get and stay on the Road of Champions: College applications, FAFSA completion, and College and Career Signing Day
- Tackle academic challenges and increase academic success
- Identify careers and post-secondary options that fit your interests and strengths
- Cope with personal/social issues that interfere with learning including grief and loss, peer relationship issues, and more
- Obtain a referral for additional supports and resources as needed

## **WCHS COUNSELORS**

**937-859-5121 (extension below)**

### **Counselor — Last Names A through F**

Brittany Brown - Ext. 8891

### **Counselor — Last Names G through M**

Kelli Sanders - Ext. 8830

### **Counselor — Last Names N through Z**

Teresa Allen - Ext. 8880

# West Carrollton High School

## Course of Studies Table of Contents

Welcome from Mr. White, Principal of WCHS.....	3
Graduation Requirements.....	4
Grading Policies.....	5,6
Honors Diploma.....	7-10
Scheduling Policies.....	11-13
CCP Information & Links.....	14,15
Miami Valley CTC.....	16-18
English Department.....	19-29
Mathematics Department.....	30-38
Science Department.....	39-52
Social Studies Department.....	53-61
Business/Technology Department.....	62-69
Foreign Language Department.....	70-72
PE & Health Department.....	73, 74
Fine/Practical Arts Department.....	75-86
Music Department.....	87-91



# West Carrollton High School

5833 Student St, West Carrollton, Ohio 45449 (937)859-5121

---

## *A Message from the Principal*

### **Welcome!**

Dear Pirates,

High School is the last stage of a student's career before they embark on their own journey through life. The courses and instruction they will be subjected to in high school is designed to prepare them for this journey. We focus on students being college and career ready by the time they walk across the stage at graduation. This course of study has all of the current course offerings and descriptions so students can make informed decisions about their classes. We encourage students and parents to discuss and determine their post secondary plan prior to selecting courses.

The state of Ohio requires all students to take and pass courses each year of high school. In this course of study we have documented the required courses. Students can not opt out of those courses nor can they fail those courses. Parents and students must understand that all students must earn a passing grade in these required courses to be eligible for graduation. These courses consume most of the Freshmen and Sophomore schedules so choosing electives is limited.

Finally, choose wisely. Read the course descriptions and think about career interests, skills you want to learn. Choose what fits your plan after graduation. Parents, there are courses that will challenge your students academically and require more extensive learning. These courses will prepare students for college. High school is about preparation so encourage your students to take courses that push them academically. The four years of high school will go quick so use this course of study as a resource to plan for their post secondary career.

***Go Pirates!***

~David White

## GRADUATION REQUIREMENTS

West Carrollton High School requires **22** credits for graduation. Specific credit requirements include:

English	<b>4</b> credits	
Mathematics	<b>4</b> credits	<i>(including 1 credit of Algebra II)</i>
Science	<b>3</b> credits	<i>(must include one Biology and one Physical Science and 1 credit of advanced study science)</i>
Social Studies	<b>4</b> credits	<i>(must include World History, American History and American Government)</i>
P.E./Health	<b>1</b> credit	
Business*	<b>1</b> credit	<i>(must include Financial Literacy starting with Class of 2026)</i>
Practical/Fine Arts	<b>2</b> credits	<i>(must include a minimum of 1 credit in Fine Art)</i>

## STATE TESTING REQUIREMENTS FOR GRADUATION- END OF COURSE EXAMS

Students will be required to earn a competency score of **684 or higher** on the EOCs for Algebra I and English II. Students' scores in other tested areas may be used to earn Graduation Seals. Only those students who have met all requirements prior to the scheduled commencement ceremony may participate in the commencement ceremony.

## **WHAT DOES MY GRADE AT WCHS MEAN?**

All grades at WCHS will reflect primarily what the student knows or has shown that they understand and will count as a minimum of 70% of their overall grade. What students have done in the way of practice or homework will make up a maximum of 30% of their overall grade. It is our belief that the grading policy at WCHS will:

- 1. Reflect academic achievement (*Do you understand the material?*)**
- 2. Give descriptive feedback**
- 3. Be honest, fair, transparent, credible, useful and user friendly**
- 4. Be criterion referenced**
- 5. Align with WCHS curriculum and Ohio Department of Education standards**
- 6. Reflect consistency within and among courses, grade levels, and departments**

## **GRADE CALCULATION AND CREDIT**

This policy applies to all students taking high school courses. West Carrollton High School calculates and awards credit based on semester and year long grades. If a student fails a semester portion of a yearlong course, they can still possibly earn the whole credit if the other semester is high enough. The failed semester and passed semester grades will be averaged together to determine if the overall grade is passing.

This can be particularly critical in senior year when the student won't be able to regain their credit in time to graduate with their class. Students need to pay close attention to their grades each semester and be sure they are doing all they need to do in order to keep their credits.

<b>Grading Scale</b>		
<b>A-</b> 90% - 92%	<b>A</b> 93% - 96%	<b>A+</b> 97% - 100%
<b>B-</b> 80% - 82%	<b>B</b> 83% - 86%	<b>B+</b> 87% - 89%
<b>C-</b> 70% - 72%	<b>C</b> 73% - 76%	<b>C+</b> 77% - 79%
<b>D-</b> 60% - 62%	<b>D</b> 63% - 66%	<b>D+</b> 67% - 69%
<b>F-</b> 0% - 52%	<b>F</b> 53% - 56%	<b>F+</b> 57% - 59%

## **GRADE POINT AVERAGES AND CLASS RANK**

Grade Point Averages (GPAs) will be calculated based on grades and credits earned by students at semester only and GPAs will determine class rank. Any student graduating early, will not be considered for valedictorian or salutatorian status. College Credit Plus (CCP) courses are included in the GPA calculation.

## **WEIGHTED GRADES**

West Carrollton High School students are able to earn weighted credits for Honors, Advanced Placement (AP), and some College Credit Plus (CCP) courses. A student must earn an A or a B for their semester grade to receive the .025 or .050 add-on weight per semester course/half credit for their grade point average. CCP courses are eligible for add-on weight in the areas of English, Math, Science, Social Studies, Foreign Language, Art and Music.

# HONORS DIPLOMA OPTIONS

## Classes of 2024 & 2025 Can Still Use These Requirements

### *Students attending WCHS for 4 years*

Complete the College Prep Curriculum and meet at least 6 out of 7 of the following criteria:

1. Earn 4 credits of math including Algebra I, Geometry and Algebra II or the equivalent and another higher level course.
2. Earn 4 credits of science that includes 2 units of advanced science.
3. Earn 4 credits of social studies.
4. Earn 3 credits of one foreign language or 2 units each of two languages.
5. Earn 1 credit of Fine Arts.
6. Maintain a 3.5 GPA on a 4.0 scale.
7. Obtain a composite score of 27 on the ACT or a 1280 on the SAT (*writing sections of either test should not be included*).

### *MVCTC students*

Complete at least 2 years of an intensive technical or vocational education curriculum and meet at least 9 out of 10 of the following criteria:

1. Earn 4 credits of math including Algebra I, Geometry, Algebra II and another higher level course.
2. Earn 4 credits of science, including 2 units of advanced science.
3. Earn 4 credits of social studies
4. Earn 2 credits of one foreign language.
5. Earn 4 credits of Career Technical course work in an approved program.
6. Maintain a 3.5 GPA on a 4.0 scale.
7. Obtain a composite score of 27 on the ACT or a 1280 on the SAT (*writing sections of either test should not be included*) or 6 or higher on Reading for Information and 6 or higher on Applied Math on the work Keys.
8. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
9. Develop a comprehensive portfolio of work based on the student's field experience of a topic that is related to the student's area of focus.
10. Earn an industry recognized credential or achieve proficiency benchmark for appropriate Ohio Career Technical Competency or equivalent.

For more information on Honors Diplomas please visit: [ODE Honors Diploma](#)

## New Honors Diploma Requirements

Students must meet all but one of the following criteria. Each of these criteria go beyond the [standard requirements for a diploma for the classes of 2023 and beyond](#). Students must meet general graduation requirements and complete the requirements outlined below to qualify for honors diplomas. Students may replace one requirement of either 4, 5 or 6 with a “Student Strength Demonstration.”

### ACADEMIC HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Science	One additional unit Advanced Science
3 Social Studies	One additional unit Social Studies
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
7 Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

\*Students can use OMJ Readiness Seal in 2 additional seal requirements if it is not used in Experiential Learning.

### Student Strength Demonstration Replacement

Students can use the Student Strength Demonstration to replace one of either the **ACT/SAT, GPA or World Language** requirement for any Honors Diploma. The Student Strength Demonstration options are listed below. The same options exist for each of the six honors diplomas\* but, where relevant, should reflect coursework or experiences relevant to the theme of the Diploma. For example, a student earning the Academic Honors Diploma and using the College Credit Plus option to replace another requirement for the diploma should have College Credit Plus courses relevant to the Academic Honors diploma.

#### OPTIONS:

[College Credit Plus](#): 12 total College Credit Plus credit hours

[Advanced Placement](#): three courses with score of 3 or higher on AP tests

[Career-Technical Assurance Guide](#) (CTAG): 12 total credits

[Apprenticeship/Pre-Apprenticeship](#): Completion or Evidence of Acceptance if required to be older than 18

[WorkKeys](#): Score of 6 or higher on all tests (\*void for Career-Tech Honors Diploma)

[Armed Services Vocational Battery](#): Score of 50 or above on the ASVAB

[Work-Based Learning](#): 250 total hours of work-based learning

## CAREER TECH HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Career-Tech Coursework	Four units of Career-Tech Courses
3 Career-Tech Proficiency	Earned a cumulative score of proficient or higher on the technical assessments aligned to their program
4 World Languages	Two units of one world language
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT/Workkeys	ACT: Score of 27 or higher, SAT: Score of 1280 or higher Workkeys: Earn a score of six or higher on all three sections of the WorkKeys assessment.
7 Industry-Recognized Seal or Technology Seal	Meet requirements to earn the Industry Recognized Credential Seal or Technology Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

## STEM HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Science	One additional unit Advanced Science
3 Electives	Two units of additional STEM Courses as electives
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
7 Industry-Recog Credential Seal or Fine Arts Seal	Meet requirements to earn the Industry-Recognized Credential Seal or Fine Arts Seal**
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

## ARTS HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Fine Arts	Four units
3 Electives	Two units of Fine Arts (may overlap with general four units)
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
7 Fine Arts Seal	Meet local district requirements to earn the Fine Arts Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

## SOCIAL SCIENCE AND CIVIC ENGAGEMENT HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Social Studies	Two additional units of Social Studies
3 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
4 GPA	3.5 on a 4.0 scale
5 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
6 Community Service Seal	Meet local district requirements to earn the Community Service Seal
7 Citizenship Seal	Meet the requirements to earn the Citizenship Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

## **PRESIDENT'S AWARD**

The President's Education Awards Program is sponsored by the U.S. Department of Education in partnership with the National Association of School Principals. It was developed to recognize and honor students who have achieved high academic goals through hard work and dedication to learning. There are two awards possible in this program.

**The President's Award for Education Excellence** is intended to recognize students who have demonstrated academic success in the classroom. The criteria are:

- Must have an attendance rate of 90 percent or higher.
- Must have a GPA of 3.5 or higher.
- Must have scored at or above the 85th percentile on the SAT or ACT math or English sections.

## **REQUESTING HONORS COURSES**

Students who have committed to honors courses for the upcoming year will be required to commit to a full year of honors instruction. School counselors will not be changing schedules due to the following:

1. See the current schedule change policy below
2. Student did not complete the required summer assignment.

## **SCHEDULE CHANGE POLICY**

**The following are the only reasons schedule changes may be made:**

1. Failure to complete a prerequisite course.
2. Changes recommended by a counselor or an administrator.

Students wanting changes after the current semester has begun should request to see their counselor during the first five days of the semester. Requests to add a class received after that time will not be considered. Students wanting to add or drop a course in a semester that has not yet started should see their counselor.

## **COURSE RETAKE POLICY**

A student may retake a course for a higher grade only if he or she has received a grade of a D+ or lower in the first attempt. A student may not retake a course if he or she has subsequently taken a more advanced course in the same area. A student will receive credit only once for any course taken unless otherwise indicated.

## **CREDIT FLEXIBILITY OPTION**

West Carrollton High School's credit flexibility options are designed for those students who demonstrate the ability, interest, and maturity to accept personal responsibility for their learning in a selected curricular area. The credit-flex option allows students to demonstrate creativity, explore academic and career interests and practice critical thinking by engaging in activities beyond the traditional one-size-fits-all classroom.

### **CREDIT FLEXIBILITY PLAN REQUIREMENTS**

1. A student who wishes to pursue any credit flexibility option must first meet with an administrator **during the first 5 days** of a semester to obtain a Credit Flexibility Plan Agreement.
2. Any student is eligible to be considered for the credit flex option, but students must be capable of meeting the requirements and conditions necessary to earn flex credit, as determined by available data.
3. There must be a written Credit Flexibility Plan Agreement between the student, parent/guardian, possible provider beyond WCSD and a WCSD teacher and/or administrator.
4. Grades earned as a part of the credit flex option will be reported to the School Counseling Office and become a part of the student's transcript.
5. All credit flex classes must be added and dropped within the same timelines of dropping and adding other classes.
6. If a student requests to use credit flexibility then he/she is responsible for locating and/or identifying a mutually acceptable course of study or educational program not offered in the school to earn a desired credit.
7. The West Carrollton City School District is not responsible for any cost incurred from a student's participation in a Credit Flexibility Plan.
8. Students are required to have approval of their Credit Flexibility Plan before the experience is initiated.
9. The student is responsible for completing all assignments agreed upon in the Credit Flexibility Plan Agreement and completing any required demonstration or mastery assessment by specified times to receive grades and resulting credit(s).

## **EARNING FLEX CREDIT THROUGH AN ASSESSMENT-ONLY OPTION**

A student who chooses an Assessment-Only Credit Flexibility Plan will take the appropriate examinations and complete any necessary additional evidence of skill mastery (lab demonstration, research papers, etc.) no more than ten (10) school days from the start of the semester.

A student who completes an approved Assessment-Only Credit Flexibility Plan, but is unable to demonstrate content mastery through his final evaluation (earn an 85% or higher), will either remain in, or be scheduled into, an appropriate course. Final grades and credits will be recorded on the student's report card and placed on their transcript and calculated as part of the student's GPA and class rank.

## **EARNING FLEX CREDIT THROUGH LEARNING-BASED OPTIONS**

This option is for students who wish to develop a plan to study a topic of interest that is not offered at WCSD.

Off-site instruction providers must receive prior approval by WCSD. In their Credit Flexibility Plan Agreement, students must list the goals/objectives of their proposed course, list methods of instruction, timeline segments of learning, and describe assessment measurements appropriate for the Credit Flex option chosen. There will be no awarding of retroactive credit.

The WCSD teacher or panel of experts (as determined by the chosen option) will evaluate student work. Final grades and credits will be recorded on the student's report card and placed on their transcript and calculated as part of the student's GPA and class rank. For more information regarding the Credit Flex Option, see your counselor.



## **CCP INFORMATION & LINKS**

West Carrollton High School is partnering with Sinclair Community College, Clark State Community College and other post-secondary options to offer an exciting opportunity to WCHS students. Students are able to earn both high school and college credit in selected courses. College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.

In the 2024-2025 school year, available College Credit Plus (CCP) courses will likely include CCP Composition I/II, CCP Calculus, CCP Biology, CCP Spanish IV & V, CCP Chemistry, and CCP Art. The CCP courses are taught at WCHS as part of the regular schedule.

College credit will be awarded upon successful completion of the course (grade of D or better). Students seeking answers about CCP credits transferring need to refer to the articulation agreement between the college student's CCP classes and the planned college to attend. Students will register for these courses during their normal scheduling process. Students and parents can see the course offerings in the course descriptions in this book.

The State of Ohio also allows seventh through twelfth grade students to receive college credit by attending colleges while in high school. Students at West Carrollton High School may enroll full or part-time for college courses for high school and college credit or for college credit only.

Most WCHS students attend Sinclair, Wright State, Miami Middletown, University of Dayton or Kettering College of Medical Arts. This option has some requirements and students should contact their counselor for additional information.

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

1. Submit an [\\*2024-25 Intent to Participate](#) form no later than **April 1, 2024**.
2. Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and test “College Ready” OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
3. You must complete an application with the college/university offering the course by 4/29 for courses that take place on the WCHS campus.

*\*Students will be responsible for scheduling their placement testing directly with their college of choice*

[\\*2024-25 Intent to Participate](#)

**\*\*CCP classes do not have a fee that we add. Students pay only if they don’t pass or drop the course.**



## **THE MIAMI VALLEY CAREER TECHNOLOGY CENTER**

West Carrollton students have the opportunity to attend the Miami Valley Career Technology Center (MVCTC) during their junior and senior years. The MVCTC is a premier technology center offering technical training/education in 40 programs. Students who choose to attend the MVCTC still earn a West Carrollton High School diploma.

Applications to MVCTC are submitted online at <http://www.mvctc.com/apply> in January of the student's sophomore year.

### **AGRICULTURE**

- Agriculture and Livestock Production
  - Animal Care and Management
  - Diesel Power Technologies
- Natural Resource Management
  - Veterinary Science
- Retail Agriculture Services

### **ARTS AND COMMUNICATION**

- Digital Design
- Graphic Commercial Art
- Graphic Commercial Photography
- Media and Video Production

## **BUILDING AND CONSTRUCTION**

- Architectural Design
- Construction Carpentry
  - Electrical Trades
- Heating, Ventilation, and Air Conditioning (HVAC)
- Heavy Equipment Operator

## **ADVANCED MANUFACTURING**

- Precision Machining
  - Pre-Engineering
- Robotics & Automation
  - Welding

## **TRANSPORTATION SYSTEMS**

- Auto Collision
  - Auto Services
- Automotive Technology
- Aviation Maintenance Technician

## **BUSINESS AND INFORMATION TECHNOLOGY**

- Business Ownership
- Computer Coding and Web Applications
  - Medical Office Management
  - Sports Management and Marketing
- Computer Networking and Cybersecurity
- Computer Repair and Technical Support
  - Drones & GIS Technologies
  - Pre-Law & Legal Studies

## **HEALTH**

- Pre-Nursing
- Biotechnology
- Dental Assisting
- Health Occupations
  - Sports Medicine
- Medical Lab Assisting

## **HUMAN SERVICES**

- Cosmetology
- Culinary Arts
- Early Childhood Education
- Hospitality Services

## **PUBLIC SAFETY**

- Criminal Justice
- Firefighter/EMS



# ENGLISH DEPARTMENT



## SUGGESTED COURSE PROGRESSION

Please note that the chart below represents a typical pathway most students take. We realize that there may be circumstances that can cause variations to each student's course selections. If other circumstances exist please talk with your current English teacher first, and then your school counselor during the scheduling process.

- Please use this chart and course descriptions to make the appropriate course selections. Talk with your teachers and your school counselor.
- Please pay attention to course prerequisites, they will be listed in the course description.

Each student needs 4 English credits to graduate. It is strongly recommended that all students, regardless of course progression, take an English class each year of high school.

### 9th Grade Progression

Standard	Advanced	Electives (In Addition To)
English I	Honors English I	NONE

### 10th Grade Progression

Standard	Advanced	Electives (In Addition To)
English II	Honors English II	Theatrical Drama ~OR
		Literary Drama

**11th Grade Progression**

<b>Standard</b>	<b>Advanced</b>	<b>Electives (In Addition To)</b>
English 11 ~OR	CCP Comp I/II	Transitional English ~OR
American Literature ~OR		Creative Writing ~OR
World Literature		Theatrical Drama ~OR
		Literary Drama ~OR
		Journalism

**12th Grade Progression**

<b>Standard</b>	<b>Advanced</b>	<b>Electives (In Addition To)</b>
English 12 ~OR	CCP Comp I/II	Creative Writing ~OR
American Literature ~OR		Theatrical Drama ~OR
World Literature		Literary Drama ~OR
		Literature & Media ~OR
		Research & Exposition ~OR
		Journalism

# **ENGLISH/LANGUAGE ARTS**

**4 Credits Required**

## **ENGLISH I**

### **ENGLISH I**

**Grade - 9**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1100**

**Prerequisite - NONE**

**Fee-\$5.00**

This course is a survey of literature, composition and speech. The literary selections include short stories, poetry, plays, essays and nonfiction. Composition and grammar are integrated with the literary selections. Vocabulary development will be stressed.

## **HONORS ENGLISH I**

### **HONORS ENGLISH I**

**Grade - 9**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1110**

**Prerequisite - 734+ on the Next Gen English Assessment**

**Fee-\$5.00**

This course is a survey of literature, composition and speech for students with advanced abilities in language arts. Honors English I challenges students to improve their written communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. The literary selections include short stories, poetry, plays, essays and nonfiction. Composition and grammar are integrated with the literary selections. Vocabulary development will be stressed. \*\*\*Students are committed to a full year of honors instruction.



## **ENGLISH II**

### **ENGLISH II**

**Grade - 10**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1200**

**Prerequisite - English I and Teacher Permission**

**Fee-\$5.00**

This course is divided into three primary areas of study: literature, composition and speech. The literature portion will emphasize the study of various forms of literature, literary style and technique. A variety of composition styles and speaking opportunities will be covered. Vocabulary development is tied to literary selections and students will continue to improve their understanding of grammar and the conventions of effective communication.

## **HONORS ENGLISH II**

### **HONORS ENGLISH II**

**Grade - 10**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1210**

**Prerequisite - GPA 3.0+ and with principal placement**

**Fee-\$5**

This section is designed to serve the needs of students with advanced abilities in language arts. The course will integrate speaking, writing and reading activities. In-class essays will be written each semester in addition to three or four longer papers in exposition, analysis and persuasion using MLA documentation. Speaking assignments will be related to the literary works being studied. Full-length works may include *To Kill a Mockingbird*, *A Separate Peace*, and *Othello*. \*\*\*Students are committed to a full year of honors instruction.

## **ENGLISH 11**

### **ENGLISH 11**

**Grade - 11**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1310**

**Prerequisite- Any 11th grade student with a 2.0 - 3.5 GPA**

**Fee-\$5.00**

This course is designed to develop and expand on Ohio's Learning Standards for English Language Arts. Required unless taking ESL English or CCP course for ELA credit.

English 11 focuses on a survey of American literature. Students read, analyze, discuss, and write about such masterpieces as *The Great Gatsby*. Students in English 11 also receive more instruction and practice in writing multi-paragraph essays. Areas of study include the following:

- writing essays in which a thesis is proven with evidence beyond the student's own thoughts and explanation
- location and deletion of redundant material
- correcting commonly misused words (*i.e.*, affect/effect and accept/except)
- learning to understand and articulate the subtleties in relationships between people and ideas in virtually any text
- determining, even when the language is richly figurative and the vocabulary is difficult, the appropriate meaning of context-dependent words

## **ENGLISH 12**

### **ENGLISH 12**

**Grade - 12**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1410**

**Prerequisite- Any 12th grade student with a 2.0 - 3.5 GPA**

**Fee- \$5.00**

This course is designed to develop and expand on Ohio's Learning Standards for English Language Arts. Required unless taking ESL English or CCP course for ELA credit.

English 12 features a study of British and world literature. Students continue to build upon the knowledge learned in English 9 English 10 and English 11 by engaging in still more intensive essay writing. Areas of study include the following:

- using figurative language creatively and effectively while maintaining clarity
- choosing diction that shows an awareness of words' denotations and connotations
- using sensory imagery as a way of adding detail to writing
- formulating one's own thesis statement
- streamlining sentences in order to eliminate redundancy and verbosity
- employing varied sentence structure to improve style
- understanding and generalizing about portions of a complex literary narrative
- application of non-fiction source material to analytical essays

## **TRANSITIONAL ENGLISH**

### **TRANSITIONAL ENGLISH**

**Grade - 11**

**Semester / 0.5 credit**

**English Dept. (English Credit)**

**Course Code - 1200T**

***Prerequisite - If a student does not meet the competency score on the Algebra I and/or English II tests, the school must offer remedial support and the student must retake the test at least once before pursuing other competency options for graduation purposes.***

***Fee-\$5.00***

A semester course that focuses on the weakest areas of performance on the ELA II End of Course Exam. The students will focus on core standards and specific standards they struggled with on the test. Students can take this course in the first or second semester.

## **AMERICAN LITERATURE**



### **AMERICAN LITERATURE**

**Grade - 11**

**Year course / 1 credit**

**English Dept. (English Credit)**

**Course Code - 1300**

**Prerequisite - English I and II and Teacher Permission**

**Fee-\$5.00**

This college prep survey of American literature presents a chronological unit approach which emphasizes the historical, cultural and social forces that shaped the literature. Students will read literature beginning with the first Americans and will progress to literature of the early 1900s. Historical documents, essays, journals, short stories, plays, novels and poetry will be read and analyzed. Compositions using the MLA format style will be an integral part of the course and students will write literary analysis as well as research based argument / informational essays.

## **RESEARCH AND EXPOSITION**

### **RESEARCH AND EXPOSITION**

**Grade - 12**

**Year course/ 1 credit**

**English Dept. (English Credit)**

**Course Code- 1500**

**Prerequisite - English II, American Literature or Teacher Permission**

**Fee-\$5.00**

Research and Exposition is a survey of literature and composition designed for college-bound students to develop and enhance essay and research writing skills. The literary selections include short stories, poetry, plays, essays and nonfiction. Composition, research and analysis will be stressed. Some of the works to be studied may include: Anthem, Fahrenheit 451, The Glass Castle and Macbeth. This course provides instruction to prepare students for post-secondary English courses.

## **CREATIVE WRITING**

### **CREATIVE WRITING**

**Grade - 11, 12**

**Semester/ 0.5 Credit**

**English Dept. (English Credit)**

**Course Code- 1700**

**Prerequisite - English I & II or Teacher Permission**

**Fee-\$5.00**

This course is designed for those who enjoy reading a variety of literary styles and for those who enjoy the creative response. Science fiction, fantasy, short story, children's literature and poetry forms will be studied. Students will experience the drafting, revision and presentation of various types of fiction, prose, drama, parody and poetry.



## **THEATRICAL DRAMA**



### **THEATRICAL DRAMA**

**Grade - 10, 11, 12**

**Semester/ 0.5 Credit**

**English Dept. (English Credit)**

**Course Code- 1407**

**Prerequisite - English I & II or Teacher Permission**

**Fee-\$5.00**

This course is designed for the student interested in better understanding the dramatic arts. Beginning with the origin of drama and moving into the more contemporary works, students will gain a basic comprehension of how a play or musical begins in the stages of print and moves to the stage or screen. Students will study the elements of character creation and the impact of nuance on audience understanding. Writing in script format as well as performing with and in front of peers will be an integral part of this course.

## **LITERARY DRAMA**

### **LITERARY DRAMA**

**Grade - 10, 11, 12**

**Semester/ 0.5 Credit**

**English Dept. (English Credit)**

**Course Code- 1406**

**Prerequisite - English I & II or Teacher Permission**

**Fee-\$5.00**

This course is designed for the student interested in better understanding and analyzing classic and contemporary Dramatic literature (plays, one-acts, spoken word poetry, etc.). Dramatic selections may include Much Ado About Nothing, All My Sons, and A Streetcar Named Desire. Speaking/ performance assignments will be related to the literary works being studied. Drama students will also develop and refine reading, interpretation, and analysis skills through composition and research. Writing in script format as well as performing with and in front of peers will be an integral part of this course.

## **LITERATURE AND MEDIA**

### **LITERATURE AND MEDIA**

**Grade - 11, 12**

**Year/ 1 Credit**

**English Dept. (English Credit)**

**Course Code- 1403**

**Prerequisite - English I & II or Teacher Permission**

**Fee-\$5.00**

This course is designed for the student interested in exploring the connections between literature and events that deal with modern society. This is not your traditional English class with units on grammar and vocabulary. Oral presentations and class discussions are balanced with journaling and concise composition. Students will analyze contemporary media trends via news clip video segments, music, songs, films, and magazines.

## **WORLD LITERATURE**

### **WORLD LITERATURE**

**Grade - 11, 12**

**Year/ 1 Credit**

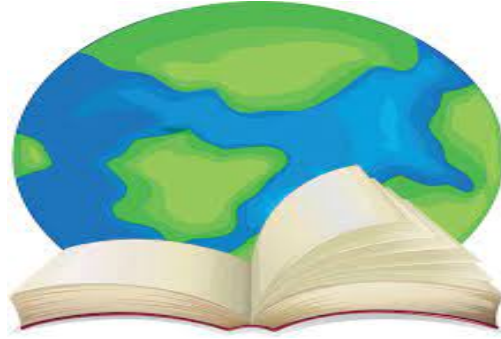
**English Dept. (English Credit)**

**Course Code- 1120**

**Prerequisite - English I & II**

**Fee-\$5.00**

Discover world cultures and gain a new perspective on your own culture through literature! This course will cover a variety of genres- novels, plays, poetry, folklore, mythology - from a variety of countries including Greece, India, China, Egypt, the Middle East and England. A main focus of the course will be for students to make connections between history and culture through literary movements like Colonialism and Postcolonialism. Students will be expected to write literary analysis and argument/ information based compositions using the MLA format style. Analysis, writing, and research skills will be strengthened through various activities and group presentations, and project based learning. The titles in the course are a mix of both classic and contemporary pieces of literature. Some titles to be analyzed are: Ramayana, The Kite Runner, and Things Fall Apart.



## **JOURNALISM**

### **JOURNALISM**

**Grade - 11, 12**

**Year/ 1 Credit**

**English Dept. (English Credit)**

**Course Code- 1800**

**Prerequisite - English I & II**

**Fee-\$5.00**

This course offers an overview of journalism, the ethics and laws involved in the field and an exploration of what constitutes news. This course is writing-intensive and focuses on informational texts and writing for the public. The course will be centered on producing non-biased writing, conventions of AP style and the distinctions between writing for different sections of a newspaper. The course will introduce skills such as headline writing, cutline writing, copy editing and interviewing. Students will learn about and receive practical experience for writing news, features, opinion, sports and entertainment articles. Students will read and write about newspapers and various informational texts from across the country used in different publications. Layout and design techniques will be introduced using Adobe InDesign. These skills will be applied through the publication of the school newspaper. **\*\*Time outside of class will be required.**



## **CCP COMPOSITION 1111 and 1112**

**CCP COMPOSITION 1111/1112**

**Grade - 10,11,12**

**Each Semester Class = 1 credit**

**English Dept. (English Credit)**

**Course Code- CCP101 & CCP102**

**Prerequisite - English II is preferred, MUST meet CCP eligibility requirements**

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

- 1) Submit an [2024- 2025 Intent to Participate](#) form no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and \*test "College Ready" OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application with Clark State Community College by 4/29/24 in order to take the course on the WCHS campus.

\* Students will be responsible for scheduling their own placement testing directly with Clark State. These semester-long College Credit Plus courses will equip students with 3 college credit hours each in English. These courses are all about composition and the writing process. Students will partake in the writing and revising process, academic and argumentative essays; literary examples of descriptive, narrative, expository, and persuasive modes. These courses also focus on language issues and library skills. The primary focus is on formal, written work, composed for a variety of audiences.

College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.



## MATH DEPARTMENT



### SUGGESTED COURSE PROGRESSION

Please note that the chart below represents a typical pathway most students take. We realize that there may be circumstances that can cause variations to each student's course selections. If other circumstances exist please talk with your current Math teacher first, and then your school counselor during the scheduling process.

- Please use this chart and course descriptions to make the appropriate course selections. Talk with your teachers and your school counselor.
- Please pay attention to course prerequisites, they will be listed in the course description.

Each student needs 4 Math credits to graduate. It is strongly recommended that all students, regardless of course progression, take a Math class each year of high school.

**9th Grade Progression**

Standard	Advanced	Electives (In Addition To)
Algebra	Honors Geometry	NONE
	(If Algebra was taken in 8th Grade)	

**10th Grade Progression**

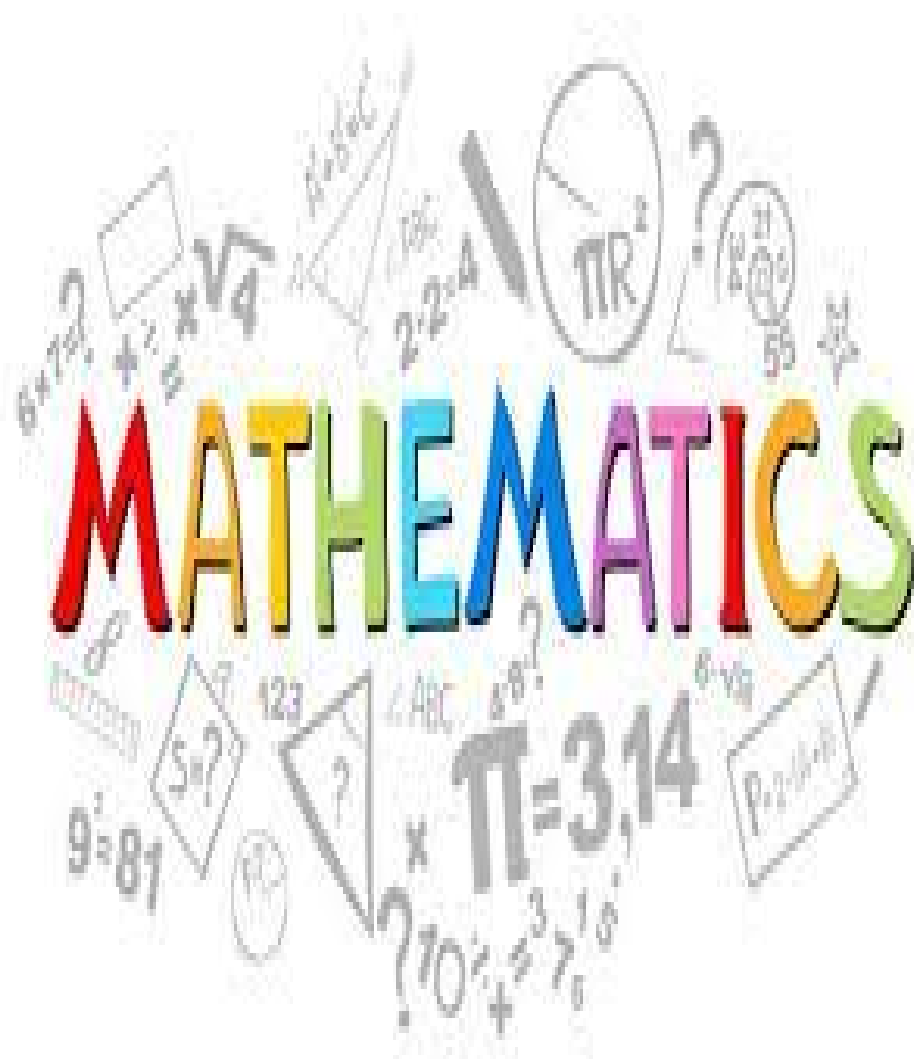
Standard	Advanced	Electives (In Addition To)
Geometry	Honors Geometry ~OR	Transitional Algebra
	Honors Algebra II	

**11th Grade Progression**

Standard	Advanced	Electives (In Addition To)
Algebra II	Honors Algebra 2 ~OR	NONE
	Pre-Calculus ~OR	
	Honors Pre-Calculus	

**12th Grade Progression**

Standard	Advanced	Electives (In Addition To)
Probability & Statistics	Pre-Calculus ~OR	NONE
	Honors Pre-Calculus ~OR	
	Honors Calculus ~OR	
	CCP Calculus	



shutterstock.com · 1798855321

# MATH

**4 Credits Required including 1 Credit of Alg II or Alg II Equivalent**

## ALGEBRA I

### **ALGEBRA I**

**Grade - 9**

**Year / 1 Credit**

**Math Dept. (Math Credit)**

**Course Code-2000**

**Prerequisite - NONE**

**Fee-Calculator Rental (if needed) \$5.00**

Algebra I is the foundation for all math courses in the college prep and career programs. The Ohio CORE Curriculum will be followed. This includes: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, polynomial expressions and operations on polynomials, systems of linear equations and linear inequalities, quadratic functions and modeling. **This course will be supplemented with the online ALEKS program which requires work outside of the classroom on a regular basis.**

## TRANSITIONAL ALGEBRA

### **TRANSITIONAL ALGEBRA**

**Grade - 10**

**Semester / 0.5 Credit**

**Math Dept. (Math Credit)**

**Course Code-2000T**

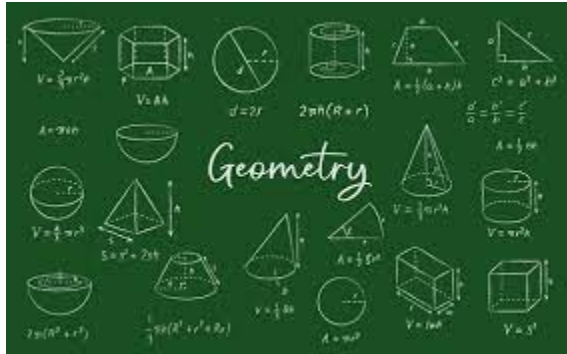
**Prerequisite** - If a student does not meet the competency score on the Algebra I and/or English language arts II test, the school must offer remedial support and student must retake the test at least once before pursuing other competency options for graduation purposes.

**Fee-Calculator Rental (if needed) \$5.00**

A semester course that focuses on the weakest areas of performance on the Algebra I End of Course Exam. The students will increase their skills in the core standards and specific standards they struggled with on the test. Students can take this course in the first or second semester.



## GEOMETRY



### GEOMETRY

Grade - 9, 10

Year/ 1 Credit

Math Dept. (Math Credit)

Course Code-2100

Prerequisite - Algebra I

Fee-Calculator Rental (if needed) \$5.00

Geometry is a one-year course that is aligned with the Ohio CORE curriculum and follows the successful completion of Algebra I. Students will work with similar

and congruent figures, proofs, transformations, coordinate geometry, special right triangles, area, volume, constructions, circles, and probability. **This course will be supplemented with the online ALEKS program which requires work outside of the classroom on a regular basis.**

## HONORS GEOMETRY

### HONORS GEOMETRY

Grade - 9, 10

Year/ 1 Credit

Math Dept. (Math Credit)

Course Code-2110

Prerequisite - GPA of a 3.0+ and a 734+ on the Algebra I EOC

Fee-Calculator Rental (if needed) \$5.00

Honors Geometry is an alternative to Geometry for highly motivated mathematics students. The greater depth, breadth and rigor of the course is intended to prepare students for success in Honors Algebra II. Accordingly, the curriculum is designed for students with a strong mathematics background who are able to commit to the additional homework and study time that may be required. Higher level thinking skills will be developed and students will feel challenged. **This course will be supplemented with the online ALEKS program which requires work outside of the classroom on a regular basis.**

**\*\*\*Students are committed to a full year of honors instruction.**

## ALGEBRA II

### ALGEBRA II

Grade -10, 11

Year/ 1 Credit

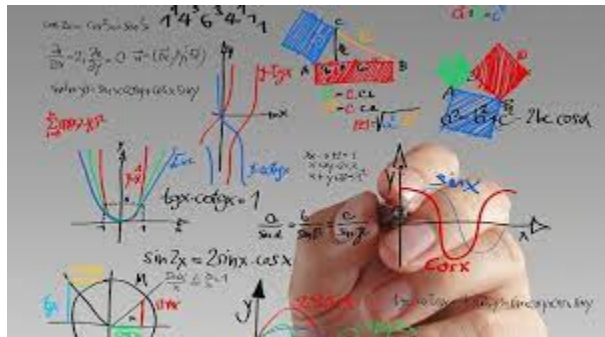
Math Dept. (Math Credit)

Course Code- 2200

Prerequisite - Algebra I and Geometry

Fee-Calculator Rental (if needed) \$5.00

This course further develops algebra techniques. Major topics studied are quadratic functions with real and complex solutions, rational functions, polynomials, properties on radical expressions and exponential expressions, rational expressions and complex numbers. **This course will be supplemented with the online ALEKS program which requires work outside of the classroom on a regular basis.**



## HONORS ALGEBRA II

### HONORS ALGEBRA II

Grade - 10, 11

Year/ 1 Credit

Math Dept. (Math Credit)

Course Code- 2210

Prerequisite - GPA of a 3.0+ and a 734+ on the Algebra I EOC

Fee-Calculator Rental (if needed) \$5.00

This course moves at a faster pace and goes more in depth for the student with superior abilities in math and further develops algebra techniques. Major topics studied are quadratic functions with real and complex solutions, rational functions, polynomials, properties on radical expressions and exponential expressions, rational expressions, composite functions, inverse functions, long division, and complex numbers. **This course will be supplemented with the online ALEKS program which requires work outside of the classroom on a regular basis.**

**\*\*This course requires a TI-83 or TI-84 graphing calculator**

**\*\*\*Students are committed to a full year of honors instruction.**

# PROBABILITY and STATISTICS

## PROBABILITY AND STATISTICS

Grade - 12

Year/ 1 Credit

Math Dept. (Math Credit)

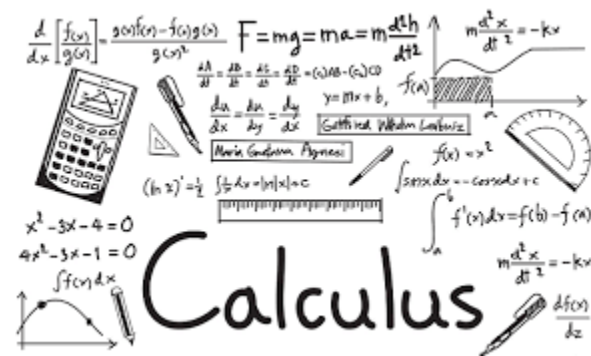
Course Code- 2600

Prerequisite - NONE

Fee-Calculator Rental (if needed) \$5.00

Statistics and Probability offers students an alternative to a fourth high school mathematics credit. In this course, students continue to develop a more formal and precise understanding of statistical inference, which requires a deeper understanding of probability. Students learn that formal inference procedures are designed for studies in which the sampling or assignment of treatments was random, and these procedures may be less applicable to non-randomized observational studies. Probability emphasizes conditional probability and independence, and basic rules for calculating probabilities of compound events. Probability is presented as an essential tool for decision making in a world of uncertainty.

# PRE-CALCULUS



## Pre-Calculus

Grade - 11, 12

Year/ 1 Credit

Math Dept. (Math Credit)

Course Code- 2400

Prerequisite - Algebra II (70% or higher)

Fee-Calculator Rental (if needed) \$5.00

This course has a strong emphasis on functions, their properties, and their uses in solving problems. In this course, students will look at various "families" of functions, including polynomial, rational, logarithmic, exponential, and trigonometric functions. Various properties and operations on functions will be examined, including even and odd functions, composition and inverses of functions, and transformations of functions.

## **HONORS PRE-CALCULUS**

**Honors Pre-Calculus**

**Grade - 11, 12**

**Year/ 1 Credit**

**Math Dept. (Math Credit)**

**Course Code- 2410**

**Prerequisite - 70% or better in Honors Algebra II Or a 90% or better in Algebra II, and relevant test scores.**

**Fee-Calculator Rental (if needed) \$5.00**

This course covers transformation and composition of functions, inverse functions, polynomial and rational functions, synthetic and long division, remainder and factor theorem, exponential and logarithmic functions, systems of equations and inequalities, analytic geometry, matrices and determinants, Gauss-Jordan, sequences and series, trigonometric functions, solving triangles, laws of sines and cosines, unit circles, vectors, graphs of trigonometric functions, polar coordinates, trigonometric identities, and trigonometric equations. Students may not enroll in Honors Pre-Calculus after the successful completion of Pre-Calculus.

**This course requires a TI-83 or TI-84 graphing calculator.**

**\*\*\*Students are committed to a full year of honors instruction.**

## **HONORS CALCULUS**

**Honors Calculus**

**Grade - 12**

**Year/ 1 Credit**

**Math Dept. (Math Credit)**

**Course Code- 2500**

**Prerequisite - 70% or better in Honors Pre-Calculus or a 85% or better in Pre-Calculus, and Relevant test scores**

**Fee-Calculator Rental (if needed) \$5.00**

Calculus is the capstone course in the math sequence. It covers differential and integral calculus as well as analytical geometry. Calculus is highly recommended for all students pursuing a math or science based program at the college level.

**This course requires a TI-83 or TI-84 graphing calculator.**

**\*\*\*Students are committed to a full year of honors instruction.**

## **CCP PRE-CALCULUS**

**CCP Pre-Calculus**

**Grade - 11, 12**

**Year/ 1 Credit**

**Math Dept. (Math Credit)**

**Course Code-**

**Prerequisite -**

- **MTH 1280 with a grade of a C or high OR**
- **An Accuplacer placement score of a 266+ on the Algebra and Functions AND Reading Score of a 230+ OR**
- **An ACT Math score of a 24+ AND an ACT Reading score of a 20 or higher**

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

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

- 1) Submit an [2024- 2025 Intent to Participate](#) form no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT - Math - 26 or higher and Reading -20 or higher, SAT, or \*Accuplacer - Advanced Algebra and Functions- 281 or higher and Reading of 230 or higher) **AND** \*test "College Ready" OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application with Clark State Community College by 4/26 in order to take the course on the WCHS campus.

This course covers transformation and composition of functions, inverse functions, polynomial and rational functions, synthetic and long division, remainder and factor theorem, exponential and logarithmic functions, systems of equations and inequalities, analytic geometry, matrices and determinants, Gauss-Jordan, sequences and series, trigonometric functions, solving triangles, laws of sines and cosines, unit circles, vectors, graphs of trigonometric functions, polar coordinates, trigonometric identities, and trigonometric equations.

**This course requires a TI-83 or TI-84 graphing calculator.**

**\*\*\*Students are committed to a full year of honors instruction.**

Calculus is the capstone course in the math sequence. It covers differential and integral calculus as well as analytical geometry. Calculus is highly recommended for all students pursuing a math or science based program at the college level.

**This course requires a TI-83 or TI-84 graphing calculator.**

**\*\*\*Students are committed to a full year of honors instruction.**

## **CCP CALCULUS**

**CCP Calculus**

**Clark State MTH 2200**

**Grade - 12**

**Year/ 1 Credit**

**Math Dept. (Math Credit)**

**Course Code- CCP230**

**Prerequisite -**

- **MTH 1340 with a grade of a C or high OR**
- **An Accuplacer placement score of a 281+ on the Algebra and Functions AND Reading Score of a 230+ OR**
- **An ACT Math score of a 26+ AND an ACT Reading score of a 20 or higher**

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

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

- 1) Submit an [2024- 2025 Intent to Participate](#) form no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT - Math - 26 or higher and Reading -20 or higher, SAT, or \*Accuplacer - Advanced Algebra and Functions- 281 or higher and Reading of 230 or higher) **AND** \*test "College Ready" OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application with Clark State Community College by 4/26 in order to take the course on the WCHS campus.

\*Students will be responsible for scheduling their own placement testing directly with Clark State.

Calculus is the capstone course in the math sequence. It covers differential and integral calculus as well as analytical geometry. Calculus is highly recommended for all students pursuing a math or science based program at the college level.

College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.

**This course requires a TI-83 or TI-84 graphing calculator**



# SCIENCE DEPARTMENT



## SUGGESTED COURSE PROGRESSION

Please note that the chart below represents a typical pathway most students take. We realize that there may be circumstances that can cause variations to each student's course selections. If other circumstances exist please talk with your current Science teacher first, and then your school counselor during the scheduling process.

- Please use this chart and course descriptions to make the appropriate course selections. Talk with your teachers and your school counselor.
- Please pay attention to course prerequisites, they will be listed in the course description.

Each student needs **3 Science** credits to graduate. It is strongly recommended that all students, regardless of course progression, take a Science class each year of high school.

### 9th Grade Progression

Standard	Advanced	Electives (In Addition To)
Physical Science	NONE	Physics: Inquiry Based ~OR
		Physics: Thermodynamics ~OR
		Physics: Electricity & Magnetism ~OR
		Physics: Mechanics

### 10th Grade Progression

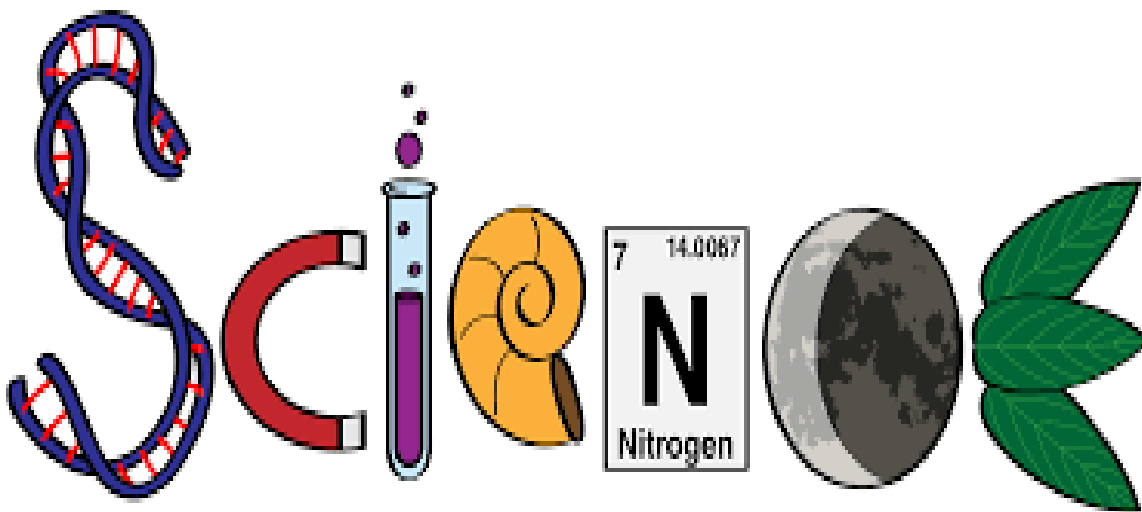
<b>Standard</b>	<b>Advanced</b>	<b>Electives (In Addition To)</b>
Biology ~OR	Honors Biology	Physics: Inquiry Based ~OR
Environmental Science		Physics: Thermodynamics ~OR
		Physics: Electricity & Magnetism ~OR
		Physics: Mechanics

### 11th Grade Progression

<b>Standard</b>	<b>Advanced</b>	<b>Electives (In Addition To)</b>
Environmental Science ~OR	Honors Chemistry ~OR	Physics: Inquiry Based ~OR
Forensics ~OR	Anatomy & Physiology (due to grade pre-requisite) ~OR	Physics: Thermodynamics ~OR
Chemistry	CCP Biology ~OR	Physics: Electricity & Magnetism ~OR
	CCP Chemistry	Physics: Mechanics

## 12th Grade Progression

Standard	Advanced	Electives (In Addition To)
Environmental Science ~OR	Honors Chemistry ~OR	Physics: Inquiry Based ~OR
Forensics ~OR	Anatomy & Physiology (due to grade pre-requisite) ~OR	Physics: Thermodynamics ~OR
Chemistry	CCP Biology ~OR	Physics: Electricity & Magnetism ~OR
	CCP Chemistry	Physics: Mechanics



# SCIENCE

**3 Credits Required**

**Must include 1 Biology, 1 Physical Science, and 1 Credit of Advanced Study**

## PHYSICAL SCIENCE

### PHYSICAL SCIENCE

**Grade - 9**

**Year/ 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3000**

**Prerequisite - NONE**

**Fee-\$10.00**

Physical Science is an introductory high school science course and provides critical background information related to the study of chemistry and physics. This is one of two science courses in the state of Ohio for which students will be required to complete an end of course exam and, as a result, **is required for graduation by the Ohio Department of Education**. Some of the state standards that will be discussed during the year include the following: formation of the universe, composition of matter, the periodic table, chemical reactions, energy, waves, forces, and motion. The course emphasis is on providing each student with the basic knowledge to select future science courses based on personal interest, as well as educational and career goals. Again, passage of this course is required for graduation beginning with the class of 2016.

## BIOLOGY I



### BIOLOGY

**Grade - 10**

**Year/ 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3100**

**Prerequisite - NONE—*If Physical Science was not successfully completed in grade 9 it can be taken concurrently with Biology***

**Fee-\$10.00**

Biology I is an introductory high school science course and provides critical background information related to life on Earth. This is the only science course in the state of Ohio for which students will be required to complete an end of course exam and, as a result, **is required for graduation by the Ohio Department of Education**. Some of the state standards that will be discussed during the year include the following: cells, heredity, evolution, and the interconnectedness of life. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Again, *this course is required for graduation*.

## **HONORS BIOLOGY**

### **HONORS BIOLOGY**

**Grade - 10**

**Year/ 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3110**

**Prerequisite - This course is open only to those that excel in Physical Science. Entry into this course is by invitation only. *Student admission will be based on GPA, all math and science grades, and attendance record. Once all of the information above has been closely analyzed, the top 26 students will be admitted into the course.***

**Fee-\$10.00**

Biology I is an introductory high school science course and provides critical background information related to life on Earth. This is the only science course in the state of Ohio for which students will be required to complete an end of course exam and, as a result, **is required for graduation by the Ohio Department of Education**. Some of the state standards that will be discussed during the year include the following: cells, heredity, evolution, and the interconnectedness of life. This course moves at a faster pace, digs deeper into required content, and is intended for the student with superior ability in math and science. Writing assignments will be frequent and demanding with an emphasis on developing hypotheses, experimental design, and quantitative analysis.

**Any student accepted into this course will be held responsible for completing a summer assignment.**

**\*\*\*Students are committed to a full year of honors instruction.**

## **BIOTECHNOLOGY AND LABORATORY SCIENCE** **(AVAILABLE 2025-2026 SCHOOL YEAR)**

### **BIOTECHNOLOGY AND LABORATORY SCIENCE**

**Grade - 10**

**Semester/0.5 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3100**

**Prerequisite - NONE—*If Physical Science was not successfully completed in grade 9 it can be taken concurrently with Biology***

Biotechnology is the branch of applied science that uses living organisms and their derivatives to produce products and processes. The Biotechnology cluster comprises three disciplines: Biochemistry, Genetics and Microbiology. This is a one semester course offered in the first and second semester.

## **ENVIRONMENTAL SCIENCE**

### **ENVIRONMENTAL SCIENCE**

**Grade - 10, 11, 12**

**Year/ 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3500**

**Prerequisite - Biology (Can be taken concurrently)**

**Fee-\$10.00**

Environmental Science deals with how ecosystems work and how humans are impacting those systems. Topics include ecosystems, natural resources, sustainability, environmental problems and issues (such as climate change, pollution, and deforestation), and finding solutions to environmental issues. This course is excellent for students who find math difficult and need a third science credit to fulfill high school graduation requirements.



## CHEMISTRY I

### CHEMISTRY

Grade - 11, 12—*Students in grade 10 who have successfully Completed Biology I or Honors Biology I may also register for This course.*

Year/ 1 Credit

Science Dept. (Science Credit)

Course Code- 3200

Prerequisite - Physical Science, Biology, Algebra I (75% or better),  
And Algebra II (*Algebra II may be taken concurrently*)

Fee-\$10.00

Chemistry is an advanced science course and discusses the physical and chemical properties of matter and the method of preparing, identifying, and analyzing chemical substances. Curriculum covered in this course includes the following: atomic structure, the periodic table, chemical reactions, kinetic theory of matter, quantitative analysis, gas laws, and stoichiometry. Chemistry emphasizes problem solving and laboratory experiences. Strong math skills are critical in order to achieve success in this course. *If you cannot maintain a 75% or better in Algebra II you may find it difficult to be successful in Chemistry.*



## HONORS CHEMISTRY I

### HONORS CHEMISTRY

Grade - 11, 12—*Students in grade 10 who have successfully Completed Biology I or Honors Biology I may also register for This course.*

Year/ 1 Credit

Science Dept. (Science Credit)

Course Code- 3210

Prerequisite - Maintain 80% or higher in Honors Biology or 90% or higher in Biology

Fee-\$10.00

While the curriculum focus in this course is the same as that in Chemistry I, Honors Chemistry I is intended to challenge the student who excels at science and math. This course moves at a faster pace and digs deeper into each topic. *Any student accepted into this course will be held responsible for completing a summer assignment.*

**\*\*\*Students are committed to a full year of honors instruction.**

## FORENSIC SCIENCE

### FORENSIC SCIENCE

Grade - 11, 12

Year/ 1 Credit

Science Dept. (Science Credit)

Course Code- 3800

Prerequisite - Physical Science and Biology

Fee-\$10.00

Forensic science will explore Biology, Chemistry, Entomology, Anatomy and Physiology, as well as other aspects of science. The major topics that will be covered include: processing a crime scene, collecting and preserving evidence, forensic anthropology and entomology, trace evidence, fingerprints, DNA fingerprints, drug ID and toxicology, blood and blood spatter, and psychological profiling. The course will talk about some sensitive and, at times, “graphic” material so students should be aware of this.



## **ANATOMY AND PHYSIOLOGY**

### **ANATOMY AND PHYSIOLOGY**

**Grade - 11, 12**

**Year / 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3700**

**Prerequisite - B or higher in Biology; Successfully pass the Biology EOC exam**

**Fee-\$20.00**

Anatomy and Physiology is an advanced science course and includes the study of the structure and function of the human body. Throughout the course, students will investigate the human body systems, including the muscular, skeletal, nervous, digestive, respiratory, reproductive, and circulatory systems. This class is helpful in preparation for any profession in the medical field. Dissections are integral components of the course. There will be an extensive vocabulary component to this course. **Any student enrolling in this course will be expected to complete a summer assignment.**

**\*\*\*Students who do not complete the summer assignment are required to remain in the course for the full year.**

## **PHYSICS: INQUIRY BASED**

### **PHYSICS: INQUIRY BASED**

**Grade - 9, 10, 11, 12**

**Semester/ 0.5 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3620**

**Prerequisite - NONE**

**Fee-\$10.00**

An algebra-based advanced high school level course that explores these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. This course includes inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information.

## **PHYSICS: THERMODYNAMICS**

### **PHYSICS: THERMODYNAMICS**

**Grade - 9, 10, 11, 12**

**Semester/ 0.5 Credit**

**Science Dept. (Science Credit)**

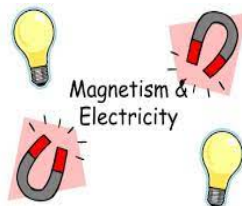
**Course Code- 3630**

**Prerequisite - NONE**

**Fee-\$10.00**

An algebra-based advanced high school level course which explores fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. This course includes inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information.

## **PHYSICS: ELECTRICITY & MAGNETISM**



### **PHYSICS: ELECTRICITY & MAGNETISM**

**Grade - 9, 10, 11, 12**

**Semester/ 0.5 Credit**

**Science Dept. (Science Credit)**

**Course Code- 3640**

**Prerequisite - NONE**

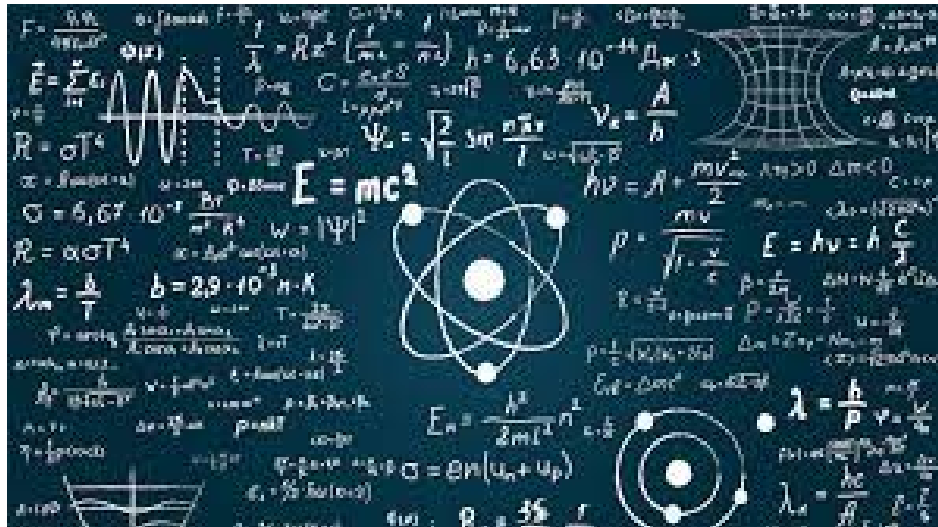
**Fee-\$10.00**

An electricity and magnetism advanced high school level course that explores electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. This course includes inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information.

## PHYSICS: MECHANICS

**PHYSICS: MECHANICS**  
**Grade - 9, 10, 11, 12**  
**Semester/ 0.5 Credit**  
**Science Dept. (Science Credit)**  
**Course Code-3650**  
**Prerequisite - NONE**  
**Fee-\$10.00**

A mechanics advanced high school level course that explores kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. This course includes inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information.



## **CCP BIOLOGY I**

### **CCP BIOLOGY I**

**Clark State BIO 1510**

**Grade - 11, 12**

**Available- Even Number Years (2022, 2024, 2026, etc)**

**Year/ 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- CCP300**

**Prerequisite - MUST meet eligibility requirements**

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

- 1) Submit a [2024- 2025 Intent to Participate](#) form no later than **April 1, 2024**.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and test “College Ready” OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application with Clark State Community College by 4/26 to take this course on the WCHS campus.

*\* Students will be responsible for scheduling their own placement testing directly with Clark State.*

*This course is consistent with Transfer Assurance Guidelines (TAG) for Biology I. College Biology is an advanced science course. This course will move at an accelerated pace and students will receive college credit upon successful completion.*

CCP Biology I explores general biological problems and processes as they are experienced by all living organisms: the chemistry and energetics of life, molecular genetics, cell reproduction, evolution and ecology. The course includes a required laboratory component. The topics of the labs align directly with topics discussed during lecture. Laboratory work will include an emphasis on inquiry based investigations. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.



## **CCP CHEMISTRY : REACTION AND STRUCTURAL CHEMISTRY**

### **CCP CHEMISTRY: REACTION AND STRUCTURAL CHEMISTRY**

**Clark State CHM 1210**

**Grade - 10, 11, 12**

**Year/ 1 Credit**

**Science Dept. (Science Credit)**

**Course Code- CCP310**

**Prerequisite-**

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

- 1) Submit an [2024- 2025 Intent to Participate](#) no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and \* test “College Ready” OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application with Clark State no later than 4/26 in order to take the course on the WCHS campus. \* Students will be responsible for scheduling their own placement testing directly with Clark State..

*The curriculum in this course mirrors that of College Chemistry. Check with the college you plan on attending in order to determine whether or not AP Chemistry or College Chemistry is more likely to be transferable. Any student wishing to receive AP credit for the course will have to successfully pass the AP Chemistry exam in early May. Just as is the case for College Chemistry, in order to enroll in this course, it is highly recommended that students have **daily access to high-speed internet in order to fulfill all course requirements.***

*College Chemistry is an advanced science course. This course will move at an accelerated pace and students will receive college credit upon successful completion.*

During the first semester the following curriculum will be discussed: significant figures, fundamental structures of atoms and molecules, introduction to quantum mechanics, atomic orbitals, principles of bonding, molecular orbital theories of bonding, moles and stoichiometry, acids, bases, oxidation-reduction chemistry, thermochemistry, behavior of gasses, and periodicity. Second semester topics include the following: intermolecular forces and phase changes, solutions and colligative properties, chemical kinetics, chemical equilibrium, acid base equilibria, entropy and free energy, electrochemistry, organic chemistry, biochemistry, and applications of chemistry in society. A great deal of time will be spent on experimental design and quantitative analysis. College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school. **Any student accepted into this course will be responsible for completing a summer assignment.**

## **CCP ENVIRONMENTAL SCIENCE**

### **CCP ENVIRONMENTAL SCIENCE**

**Cincinnati State EVS 130**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Available- Odd Number of Years (2023, 2025, etc)**

**Science Dept. (Science Credit)**

**Course Code- CSTCC S13**

**Prerequisite-**

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

- 1) Submit an ★2024-2025 Intent to Participate no later than April 1.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and \*test "College Ready" OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application with Clark State no later than 4/26 in order to take the course on the WCHS campus. \* Students will be responsible for scheduling their own placement testing directly with Clark State.

*This course will move at an accelerated pace and students will receive college credit upon successful completion.*

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze natural and anthropogenic environmental problems, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving or preventing them. Topics covered will include ecology, extinction, biodiversity, fisheries, agriculture, natural resource management, alternative energy, waste management, toxicology, and sustainability.

College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.

*Any student enrolling in this course will be expected to complete a summer assignment.*



# SOCIAL STUDIES DEPARTMENT



## SUGGESTED COURSE PROGRESSION

Please note that the chart below represents a typical pathway most students take. We realize that there may be circumstances that can cause variations to each student's course selections. If other circumstances exist please talk with your current Social Studies teacher first, and then your school counselor during the scheduling process.

- Please use this chart and course descriptions to make the appropriate course selections. Talk with your teachers and your school counselor.
- Please pay attention to course prerequisites, they will be listed in the course description.

Each student needs 4 Social Studies credits to graduate. It is strongly recommended that all students, regardless of course progression, take a Social Studies class each year of high school.

### 9th Grade Progression

Standard	Advanced	Electives (In Addition To)
World Studies	Honors World Studies	History Through Film

### 10th Grade Progression

Standard	Advanced	Electives (In Addition To)
American History	Honors American History	History Through Film

## 11th Grade Progression

Standard	Advanced	Electives (In Addition To)
American Government & Politics	Honors American Government ~We The People~	History Through Film ~OR
		The Court and You ~OR
		Sociology I ~OR
		Sociology II ~OR
		Psychology

## 12th Grade Progression

Standard	Advanced	Electives (In Addition To)
NONE	NONE	History Through Film ~OR
		The Court and You ~OR
		Sociology I ~OR
		Sociology II ~OR
		Psychology



# SOCIAL STUDIES

**4 Credits Required**

**Must include World Studies, American History & American Government**

The primary purpose of the Social Studies curriculum is to help young people understand, through the study of the past and present, what it means to be a human being in society and to develop the ability to make informed and reasoned decisions for the public good as citizens of a diverse, democratic nation and a complex world.

## WORLD HISTORY

### **WORLD HISTORY**

**Grade - 9**

**Year / 1 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4000**

**Prerequisite - NONE**

This course is designed to provide students with a survey of the history and geography of the Western European peoples with emphasis on the aspects of European history from the Scientific Revolution, the Age of Revolution, and nationalism / imperialism, World War I and II, and the Cold War. Study will include other contemporary world regions such as India/Pakistan, the Middle East, and South Africa. Connections will be made between world history and events taking place in American history. While exploring these topics, students will improve their social studies vocabulary and the skills of note taking, map research and critical thinking.



## HONORS WORLD HISTORY

### HONORS WORLD HISTORY

Grade - 9

Year / 1 Credit

Social Studies Dept. (Social Studies Credit)

Course Code- 4010

**Prerequisite - Completion of, and adequate score on, the writing sample completed in 8th grade; teacher recommendation; and an 80% at the end of first semester of 8th grade social studies**

This moves at a faster pace for the student with superior ability and is designed to be the first step in preparation for Honors American History and Honors American Government. The course will provide students with a survey of the history and geography of the Western European peoples, with emphasis on nationalism, imperialism, World War I and II and the Cold War. Study will include other contemporary world regions such as India/ Pakistan, the Middle East and South Africa. Connections will be made between world history and events taking place in American history. There will be an emphasis on writing in preparation for Honors American History and Honors American Government. *Students enrolled in Honors World History are expected to complete a writing assignment in April of 8th grade. Failure to complete this assignment will result in ineligibility for the course. This course is equivalent to regular World History. Students will only take either the regular OR honors course for credit.*

**\*\*\*Students are committed to a full year of honors instruction.**

## AMERICAN HISTORY

### AMERICAN HISTORY

Grade - 10

Year / 1 Credit

Social Studies Dept. (Social Studies Credit)

Course Code- 4100

**Prerequisite - World History**

This course covers the time period from 1877 to the present from the American perspective. The students' study of history will include Industrial America, World War I, the Roaring Twenties, the Great Depression, World War II, the Cold War, Prohibition, the Red Scare, Rock and Roll, Civil Rights, the space program, the Vietnam War, Watergate, and new technology. Many personalities from America's past will be studied including presidents and business leaders, along with organizations, and movements since the turn of the century.



## HONORS AMERICAN HISTORY–SINCE 1877

### HONORS AMERICAN HISTORY

Grade - 10

Year / 1 Credit

Social Studies Dept. (Social Studies Credit)

Course Code- 4110

Prerequisite - Maintain 80% or higher in Honors World History or 90% or higher in World History

This course is designed for the student with a special interest in American history and will require an extra measure of labor and devotion. In the course of the year, the whole of American history from the Gilded Age to Ronald Reagan will be covered. Emphasis will be placed on understanding the underlying causes behind such events as the industrialization of America, the Populist and Progressive Movements, the Great Depression, world wars, and America as a superpower. Toward these ends, the student will read extensively, compose comprehensive historical essays and participate in wide- ranging classroom discussions on each topic covered using primary and secondary sources that require each student to make an in-depth analysis using critical thinking skills. **Students are also expected to complete a summer reading assignment. Failure to complete the summer assignment will result in removal from the class.**

**This course is equivalent to regular American History. Students will only take either the regular OR honors course for credit**

**\*\*\*Students are committed to a full year of honors instruction.**



## **AMERICAN GOVERNMENT & POLITICS**

### **AMERICAN GOVERNMENT AND POLITICS**

**Grade - 11**

**Year / 1 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4200**

**Prerequisite - World History, American History**

This course will study the purposes, structures and functions of political systems at the local, state, national and international levels. Students will learn that people create systems of government as structures of power and authority to provide order and stability. Students will gain an understanding of the development of individual civil liberties and their impact on citizens. Students will learn the rights and responsibilities of citizenship and apply this knowledge to examine and evaluate civic ideals and to participate in the American democratic system.



## **HONORS AMERICAN GOVERNMENT–WE THE PEOPLE**

### **HONORS AMERICAN GOVERNMENT–We The People**

**Grade - 11**

**Year / 1 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4210**

**Prerequisite - Pass World History, Honors American History with an 80% or higher and completion of the summer assignment (*counts as a first quarter grade*), and teacher recommendation**

In addition to the curriculum described in the non-honors section, the honors section will include critical thinking exercises, problem solving activities and cooperative learning techniques to help the student develop intellectual and participatory skills while increasing knowledge and understanding of the institutions of American constitutional democracy. Students will also participate in a culminating activity, a simulated Congressional hearing, in which students testify in a competitive setting before a panel of judges.

**Students enrolled in WTP: Honors American Government are expected to complete a summer assignment.**

**This course is equivalent to regular American Government. Students will only take either the regular OR honors course for credit.**

**\*\*\*Students are committed to a full year of honors instruction.**

## THE COURT AND YOU



### **THE COURT AND YOU**

**Grade - 11, 12**

**Semester / 0.5 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4600**

**Prerequisite - American History**

Do you know your Miranda Rights? Can police officers search your cell phone without a warrant? Is the death penalty constitutional? What constitutional rights do students have? Find the answers to these questions and much more in this class. This course will provide students with an in-depth understanding of how the Supreme Court chooses and decides cases, a comprehensive understanding of landmark decisions and how these Supreme Court decisions affect the lives and freedoms of Americans. Students will study the personalities of the current Justices and what it is like to argue a case before the Court. Students will have the opportunity to take an active role in conducting a moot court case while taking this course. **This course is not repeatable for credit.**

## HISTORY THROUGH FILM

### **HISTORY THROUGH FILM**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4975**

**Prerequisite - NONE**

History Through Film is an engaging and interdisciplinary high school course that explores various historical events, periods, and themes through the medium of film. Students will analyze and critically examine the representation of history in movies, develop a deeper understanding of the past, and enhance their historical and cinematic literacy. The course will cover a range of historical topics and provide students with an opportunity to develop their critical thinking, research, and writing skills. Ultimately, this course will strengthen and facilitate learning in all of our other Social Studies courses including World History, American History, and American Government which are either state tested or graduation requirements.



## SOCIOLOGY I

### **SOCIOLOGY I**

**Grade - 11, 12**

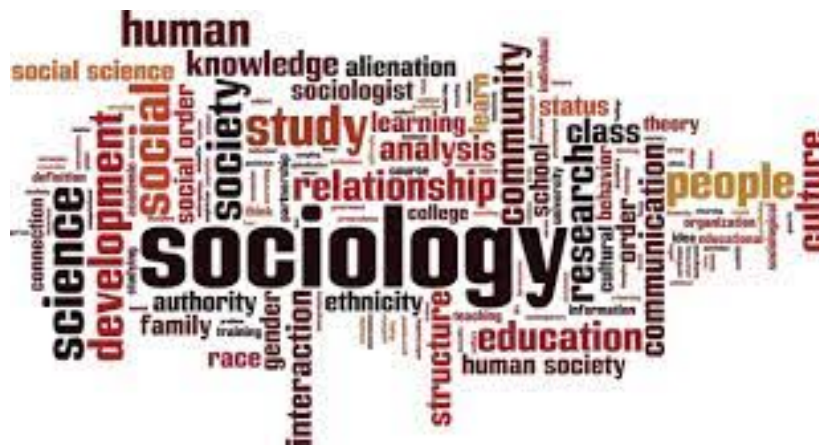
**Semester / 0.5 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4401**

**Prerequisite - World History, American History**

This course will study human social groups. Topics include: how society shapes the behavior of its members, conformity, deviance, values, roles, relationships, the organization of society, culture, and communication.



## SOCIOLOGY II

### **SOCIOLOGY II**

**Grade - 11, 12**

**Semester / 0.5 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4402**

**Prerequisite - Sociology I**

This course will continue where Sociology I left off, and has more of a focus and emphasis on macro sociology. Topics include: social inequality in society (race, gender, and class), the study of social institutions (family, education, religion, politics) and the changing social world.

# **PSYCHOLOGY**

## **PSYCHOLOGY**

**Grade - 11, 12**

**Year / 1 Credit**

**Social Studies Dept. (Social Studies Credit)**

**Course Code- 4300 OR 4310**

**Prerequisite - World History, American History**

This course explores individual human behavior focusing on personality and the mind. Topics include: how the brain works, personality development, motivation, emotions, life stages, mental and behavioral disorders, dream interpretation, learning, intelligence, Freud and various psychotherapies. Students will be challenged to look into themselves and experience personal and psychological growth.



# BUSINESS/CAREER TECH

Please note that the chart below represents a typical pathway most students take. We realize that there may be circumstances that can cause variations to each student's course selections. If other circumstances exist please talk with your current Business teacher first, and then your school counselor during the scheduling process.

- Please use this chart and course descriptions to make the appropriate course selections. Talk with your teachers and your school counselor.
- Please pay attention to course prerequisites, they will be listed in the course description.

Each student needs **1 Business** credit to graduate.

Media Arts Pathway	Marketing Pathway
<i>Pre-Req Course: Video Production I</i>	<i>Pre-Req Course: Small Business &amp; Entrepreneurship</i>
<b>Video Production II</b>	<b>Spirit Store</b>
<b>Video Broadcast News</b>	<b>Digital Marketing &amp; Management</b>
<i>Pre-Req Courses: Digital Arts I</i>	<b>Merchandising &amp; Buying</b>
<b>Graphic Design &amp; Media Arts</b>	<b>Sports &amp; Entertainment Marketing</b>
<b>Motion Graphics &amp; Animation</b>	

**1 Credit Required**

**Must include 0.5 Credit of Financial Literacy for the Class of 2026**

\*Beginning with the class of 2026, students will be required to earn 0.5 business credit in Financial Literacy and 0.5 credit in another business course. IT Foundations will no longer be a requirement for 2026 and beyond. The Business and Technology Department has a career-oriented and college-prep curriculum. It provides students the opportunity to gain competent skills to get a job, hands-on computer usage, personal and business consumer information, and a foundation in business for any student planning to major in business in college.

## **COLLEGE & CAREER READINESS**

### **COLLEGE & CAREER READINESS**

**Grade - 9**

**Semester / 0.5 Credit**

**Course Code- 1000**

**Prerequisite - NONE**

The College and Career Ready class is required for all Freshmen. This semester course will help students develop their understanding of high school, graduation requirements, post secondary options and industry credentials. The students will develop an extensive graduation plan during the first nine weeks of the class. This plan must include a post secondary option upon graduation. In the second nine weeks most students will earn a 12-point industry credential towards graduation.



## **FINANCIAL LITERACY**

### **FINANCIAL LITERACY**

**Grade - 11, 12**

**Semester / 0.5 Credit**

**Course Code- 6040**

**Prerequisite - NONE**

This course is designed to introduce the student to basic financial literacy skills to help them make responsible financial decisions. This course seeks to develop students' skills and knowledge in money management; spending and credit; saving and investing; becoming a critical consumer; financial responsibility and decision making; and risk management and insurance. Students will gain the information and skills to implement a life-long plan for financial success.

## **SMALL BUSINESS & ENTREPRENEURSHIP**

### **SMALL BUSINESS & ENTREPRENEURSHIP**

**Grade - 9, 10,11,12**

**Semester / 0.5 Credit**

**Course Code- 6085**

**Prerequisite - NONE**

Have you ever had the desire to be on Shark Tank? Do you aspire to be your own boss or have an interest in knowing the inner workings of a modern business? If so, this course is for you! This course will cover entrepreneurship, marketing and economics. You will take the first steps to build a business plan for a teen based business of your choice, which will identify the necessary resources, equipment, time and income potential. The course concludes with you building a "product" to market and pitch like on shark tank, you will compete against your classmates. This course will also help prepare you for working in WCHS's own small business, the Spirit Store.



## VIDEO PRODUCTION I

### **VIDEO PRODUCTION I**

**Grade - 9, 10,11,12**

**Semester / 0.5 Credit**

**Course Code- 6050**

**Prerequisite - NONE**

This course introduces students to the world of video production. Students will learn the basics of video/film/audio production. Students will develop the ability to capture great video and audio, and learn to edit those two elements together to tell a story. This class is a project-based exploration of the video and design fundamentals that can help you pursue a number of creative college and career options. Students will use Adobe Premiere, Adobe Audition, Adobe Illustrator and Adobe Photoshop.



## VIDEO PRODUCTION II (Possible College Credit)

### **VIDEO PRODUCTION II**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6660**

**Prerequisite - Video Production I**

Ready to launch into the exciting world of film, video production and motion graphics? In this advanced course, you will use today's best digital tools to get a solid foundation in everything from story structure, lighting design and audio recording to the art of cinematography. Students plan and coordinate work with clients to produce projects on a tight timeline. They learn how to read and interpret a script, select and maintain equipment and combine graphics, text and special effects. Students also get the incredible opportunity of working on the Miami Valley Communications Council (MVCC) production crew by recording Dayton area sporting events and local community productions.

## **VIDEO BROADCAST NEWS**

### **VIDEO BROADCAST NEWS**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6670**

**Prerequisite - Video Production I**

Create the daily video news and work on a local video production crew! Students will learn the basic elements of broadcast journalism and get to work as director, tech director, camera and/or anchor for the WCHS daily news. Students will choose their positions, you do not have to be on camera. You will also use video production techniques to create short commercials and promos on topics of your choice to add to the daily news. Students also get the incredible opportunity of working on the Miami Valley Communications Council (MVCC) production crew by recording Dayton area sporting events and local community productions.



## **MERCHANDISING & BUYING**

### **MERCHANDISING & BUYING**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6600**

**Prerequisite - Small Business & Entrepreneurship**

Merchandising and Buying explores how businesses determine what to buy, when to buy, how much to buy and from whom to buy products for resale. Learners will develop knowledge and skills to develop a product mix, apply display and visual merchandising techniques and implement sales support activities. This course also includes learning outcomes in corporate social responsibility, relationship management and supply chain management.

## **DIGITAL MARKETING & MANAGEMENT**

### **DIGITAL MARKETING & MANAGEMENT**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6620**

**Prerequisite - Small Business & Entrepreneurship**

Digital Marketing and Management explores how businesses identify and apply tools, strategies and processes to communicate digitally with targeted customers. Learners will develop knowledge and skills in the use of multiple digital marketing strategies, including social media, e-mail, websites, mobile marketing, etc. This course also incorporates learning outcomes in project, process and information management.

## **SPORTS & ENTERTAINMENT MARKETING**

### **SPORTS & ENTERTAINMENT MARKETING**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6610**

**Prerequisite - Small Business & Entrepreneurship**

This course helps students develop a thorough understanding of fundamental marketing concepts and theories as they relate to the sports and entertainment industries. Students will develop fundamental skills and knowledge of the marketing functions, including marketing communications, marketing research, pricing, selling and branding. This course also includes learning outcomes in product and service development and social media communications.

## SPIRIT STORE (Possible College Credit)

### SPIRIT STORE

Grade - 10, 11, 12

Year / 1 Credit

Course Code- 6640

Prerequisite - Small Business & Entrepreneurship

Students in this course will operate and manage the Pirate Spirit Store along with learning the screen printing process to develop new WC products for the store. This course explores how individuals use innovation to generate ideas for new products and services, evaluate the feasibility of business ideas and develop a strategy for commercialization. Learners will develop knowledge and skills to select target markets, profile target customers, define a business mission and develop a business plan. Students will gain practical experience in “owning” a business as they take responsibility for the operation and product creation for the spirit store. The basics of screen printing will be taught through a hands-on approach in our very own screen printing lab. **Students will be required to work outside of class time at the spirit store during school-sponsored events.**



# YEARBOOK

## **YEARBOOK**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6020**

**Prerequisite - Approved Application by Instructor**

Students will function as staff members and learn various aspects of the yearbook publication process such as page layout design, copywriting, editing and photojournalism while producing a creative, innovative yearbook which records school memories and events of the year. Participants gain useful, real world skills in time management, marketing, teamwork, and design principles. All staff members are involved in every phase of the operation. Grades are based on taking pictures, creating pages, selling ads, fulfilling the class responsibilities, meeting deadlines, and the quality of stories and pictures. Students will be required to spend some time outside of class and may need to go to specific locations off school grounds to complete coverage assignments.





# FOREIGN LANGUAGE

The courses offered by the Foreign Language Department are designed to culturally and linguistically prepare the student to participate in today's global society. All courses are designed to help students develop linguistic proficiency and cultural awareness. All courses focus on the four key language acquisition skills: listening, speaking, reading and writing. It is highly recommended that high school students have earned a grade of C or higher in their last English class.

---

## SPANISH I

### **SPANISH I**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code- 9100**

**Prerequisite - NONE**

This course introduces students to the Spanish language and culture. The goal of the course is for students to acquire conversational vocabulary relating to family, sports, weather, hobbies, and school. Students will learn to communicate using present tense regular and irregular verbs. The students will demonstrate their acquired knowledge through written and verbal presentations, daily assignments and class participation.

## SPANISH II

### **SPANISH II**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code- 9200**

**Prerequisite - C or above in Spanish I**

In this course, students will expand their knowledge of the Spanish language and culture. Students will increase their conversational skills by learning how to describe and talk about clothing, food, daily activities, and past events. They will also understand and be able to use the past tense in relevant and personal communication. Emphasis will be on class participation in Spanish.



## **SPANISH III**

### **SPANISH III**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code- 9300**

**Prerequisite - C or above in Spanish II**

This course relies on a solid knowledge of the grammar and vocabulary presented in Spanish 1 and 2. In Spanish 3, students will acquire many new verb tenses and expand their vocabulary. The class is conducted primarily in Spanish. Through conversation, movement, music (yes, singing is included!), dialogues, short stories, and writing, students will gain proficiency in the target language. Latin American geography and culture are woven into the course.

## **CCP/ HONORS SPANISH IV** **Clark State SPN 1111 and SPN 1112**

### **CCP/ HONORS SPANISH IV**

**Grade - 10, 11, 12**

**Year / 2 Credit**

**Course Code- CCP900**

**Prerequisite-**

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

- 1) Submit an [2024- 2025 Intent to Participate](#) form no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and \*test "College Ready" OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application for Cincinnati State Technical and Community College by 4/26 in order to be eligible to take this course at WCHS.

*\* Students will be responsible for scheduling placement testing on their own directly through Clark State.*

This is a college level course for students who are interested in becoming more fluent in the target language. Students are expected to converse and to follow instructions in Spanish during the class. Through conversation, music, art, and movement, students will improve their proficiency. They will study Spanish and Latin American artists, write and act out dialogues, read and analyze Latin American literature, and discuss current events. Students will expand their vocabulary and deepen their understanding of the grammar already taught, as well as become familiar with the rest of the verb tenses. College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.

**CCP/ HONORS SPANISH V**  
**Culture & Conversation**  
**Clark State SPN 2111 and SPN 2112**

**CCP/ HONORS SPANISH V**  
**Grade - 11, 12**  
**Year / 2 Credit**  
**Course Code- CCP910**  
**Prerequisite-**

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

- 1) Submit an [2024- 2025 Intent to Participate](#) form no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and \*test “College Ready” OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.
- 3) You must complete an application for Cincinnati State Technical and Community College by 4/26 in order to be eligible to take this course at WCHS.

*\* Students will be responsible for scheduling placement testing on their own directly through Cincinnati State.*

¡Esta clase es para el estudiante que realmente quiere conversar en español! Spanish 5 is a culture and conversation course designed for students who want to put their Spanish knowledge to use and extend their understanding of Latin culture. Students will develop a deeper understanding of and appreciation for Hispanic culture- its food, music, arts, and people. Through discussion, movies, literature, and current events, students will explore everything from bullfighting in Spain to village life in Guatemala.

College Credit Plus allows high school students to earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a 3 or more credit-hour college course will result in 1.0 Carnegie unit earned at the high school.



# PHYSICAL EDUCATION/ HEALTH

## 1 Credit Required for Graduation

All students must take and pass ½ credit of health and ½ credit of physical education to graduate. The Physical Education Department offers a curriculum based on the health-related and skill-related parts of lifetime fitness. The goal is to encourage students to achieve maximum personal health and maintain a regimen throughout life.

**In order to satisfy the State of Ohio PE requirement, students may elect to either:**

1. Participate in 2 full seasons of a sport (as defined below) for the PE waiver (formerly called PE Option) and take an additional .5 credit elective course, OR
2. Take the Physical Education course twice.

### **Medical Excuses:**

*In the case where a valid medical excuse is obtained before the start of a course, a student's schedule will be changed and the course can be taken at another time. Students obtaining a valid medical excuse for a disability occurring after the start of a course shall be required to dress for class, if physically possible, according to the course policy, attend class, and pursue alternate activities as directed by the teacher, and shall be given credit. In all instances, a written excuse by the proper medical authority shall be kept on file with the Physical Education Department and the clinic staff and updated annually*

---

## PHYSICAL EDUCATION



### **PHYSICAL EDUCATION**

**Grade - 9, 10, 11**

**Semester / 0.25 Credit**

**Course Code-7201 and 7202**

**Prerequisite - NONE**

**Fee-\$5.00**

***Students must bring athletic shirts, shorts, sweats and gym shoes.***

Physical Education (PE) will provide students with the opportunity to develop knowledge and skills in a variety of activities designed to improve his or her physical fitness. Agility, balance, coordination, power, reaction time, speed, flexibility, muscular strength and endurance, and cardiovascular endurance are developed while the students learn strategies and develop skills in lifetime and team sports. ***It is strongly recommended that students complete the required .5 PE credit requirement by the end of 10th grade.***



# FINE/ PRACTICAL ARTS

## 2 Credits Required for Graduation

Certain skills are required of all artists, designers and art appreciators. Like any skill, these must be practiced in order to make them better. The Fine Arts Department offers courses for both aspiring artists and those who are art appreciators. All art class activities are subject to the availability of supplies. Practical Art courses directly address preparing students for future roles and responsibilities with practical, readily applicable skills. Skills in decision-making, problem-solving, critical thinking, technology, work, and family management and workplace readiness are reinforced through authentic experiences.

---

### **FINE ART COURSES**

#### **STUDIO ART I**



**STUDIO ART I**  
**Grade - 9, 10, 11, 12**  
**Semester / 0.5 Credit**  
**Course Code-5000**  
**Prerequisite - NONE**  
**Fee-\$10.00**

This is an introductory course over the basics of studio art production based on reinforcing the seven Elements of Art. Students will explore 2- dimensional art mediums such as pencil, colored pencil, acrylic paint, etc. Art history themes and concepts will be introduced where they reinforce specific course goals. *This course is required to take any upper level Studio Arts class.*

#### **STUDIO ART II: FIBERS & DESIGN**

**STUDIO ART II Fibers & Design**  
**Grade - 9, 10, 11, 12**  
**Semester / 0.5 Credit**  
**Course Code-5027**  
**Prerequisite - Studio Art I**  
**Fee-\$10.00**

In *Studio Art II: Fibers & Design*, students will take a more tactile approach with their artwork, using materials such as fabric, yarn, and felt. Projects and techniques include: tapestry weaving, hand-sewing techniques, embroidery, *sashiko*, upcycling clothing, designing plushies, fabric dyeing, and basket weaving.

## **STUDIO ART II: DRAWING & PAINTING**



### **STUDIO ART II Drawing & Painting**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credit**

**Course Code-5020**

**Prerequisite - Studio Art I**

**Fee-\$10.00**

This course will further reinforce studio art production and skills. Students will expand on the drawing and painting concepts introduced in Studio Art 1. Emphasis is placed on experiences with design principles, drawing techniques and painting skills. Students are given more in depth problems to solve creatively while becoming more adept through a broad exposure to various media and painting concepts introduced in Studio Art 1. Emphasis is placed on experiences with design principles, drawing techniques and painting skills. Students are given more in depth problems to solve creatively while becoming more adept through a broad exposure to various media.

## **STUDIO ART II: INTRO TO CERAMICS**

### **STUDIO ART II Intro to Ceramics**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credit**

**Course Code- 5021**

**Prerequisite - Passing Grade in Studio Art I**

**Fee-\$10.00**

In *Studio Art II: Intro to Ceramics*, students will learn the basics of clay handbuilding, including: slip/score method, pinch pots, coil pots, slab building, and glaze application. Projects include *Little Clay Creatures*, *Expressive Face Vessels*, *Slab Lanterns*, *Ceramic Stamps*, and more!



## **STUDIO ART II: INTRO TO SCULPTURE**



### **STUDIO ART II Intro to Sculpture**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credit**

**Course Code- 5022**

**Prerequisite - Passing Grade in Studio Art I**

**Fee-\$10.00**

In *Studio Art II: Intro to Sculpture*, students will take the 2-dimensional concepts that they learned in Studio Art I and apply them to 3-dimensional artwork. Their sketches will come to life as students learn how to build armatures for large-scale works of art. They will work with a variety of materials, including: papier-mache, plaster, recycled and found objects, cardboard, and wire.

## **STUDIO ART III: BIG IDEAS**

### **STUDIO ART III BIG IDEAS**

**Grade - 10, 11, 12**

**Semester / 0.5 Credit**

**Course Code-5030**

**Prerequisite - Studio Art I and one Studio II Level Course**

**Fee-\$10.00**

Studio Art 3 is designed to move students into the realm of individual artistic production. Studio Art 3 students will apply their content knowledge and skills from Studio Art 1 and 2 in order to create authentic works of art in a variety of mediums. Students are expected to work outside of class on sketchbook assignments and prep work for in class projects. At the end of the semester, all Studio Art 3 students will begin assembling a portfolio.



## **STUDIO ART III: ADVANCED CERAMICS**

### **STUDIO ART III ADVANCED CERAMICS**

**Grade - 10, 11, 12**

**Semester / 0.5 Credit**

**Course Code-5031**

**Prerequisite - Passing Grade in Studio Art II: Intro to Ceramics and /or Studio II:  
Intro to Sculpture/3D Foundations**

**Fee-\$10.00**

In *Studio Art III: Advanced Ceramics*, students will take their previously learned skills from *Intro to Ceramics* to the next level. They will be introduced to more advanced concepts, such as the *sgraffito* technique, raku, slab templates, and various underglazing methods. Projects include ceramic shelves, trinket dishes, tile making, mugs, bowls and more!



---

## **DIGITAL ART COURSES**

### **DIGITAL ART I**



**DIGITAL ART I**  
**Grade - 9, 10, 11, 12**  
**Semester / 0.5 Credit**  
**Course Code-5111**  
**Prerequisite - NONE**  
**Fee-\$10.00**

This is an introductory course over the basics of digital art production based on reinforcing the seven Elements of Art in digital format. Students will become familiar with Adobe Photoshop in the art iMac lab. Students will explore digital painting and digital image manipulation.

Art history themes and concepts will be introduced where they reinforce specific course goals. *This course is required to take any upper level Digital Arts class.*

## **DIGITAL ART II: Character Design**

### **DIGITAL ART II: Character Design**

**Grade - 9, 10, 11, 12**

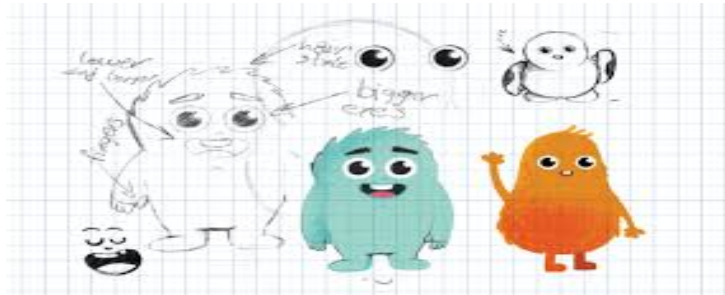
**Semester / 0.5 Credit**

**Course Code-5112**

**Prerequisite - Digital Art I**

**Fee-\$10.00**

In this course students will learn techniques of developing their own characters from ideas to finished digital illustrations. Based on good storytelling, students will learn to create characters in Illustrator and Photoshop using the elements of character design. All students will be encouraged to begin considering portfolio production.



## **MOTION GRAPHICS & ANIMATION**

### **MOTION GRAPHICS & ANIMATION**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code- 6650**

**Prerequisite - Digital Art I and either Digital Art II or Graphic Design & Media Arts**

**Fee-\$10.00**

From script to storyboard and special effects, students develop products focused on a central theme and purpose. Using commercial and open-source digital animation software, they create an illusion of motion that extends beyond traditional frame-by-frame footage. They learn skills and techniques involving music, animation, text, voice, photos and videos. Products are adjusted for access through computers, mobile devices, game consoles, projectors, radio and TV.

## **GRAPHIC DESIGN & MEDIA ARTS (Possible College Credit)**

### **GRAPHIC DESIGN & MEDIA ARTS**

**Grade - 10, 11, 12**

**Year / 1 Credit**

**Course Code-6630**

**Prerequisite - Digital Art I or Video Production I**

**Fee-\$10.00**

In this course, students will find design solutions to a variety of creative visual problems in marketing and advertising. Utilizing Photoshop, Adobe Illustrator and digital photography, we will explore advertising arts such as brand identity, product/package design, logo and typography design. Successful completion of the course will result in multiple, industry standard Adobe certifications as well as college credits.



### **CCP ART HISTORY**

### **CCP ART HISTORY 1 and CCP ART HISTORY 2**

### **CCP ART HISTORY**

**Grade - 10, 11, 12**

**Year / 2 Credits**

**Course Code-CCP501**

**Prerequisite-**

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

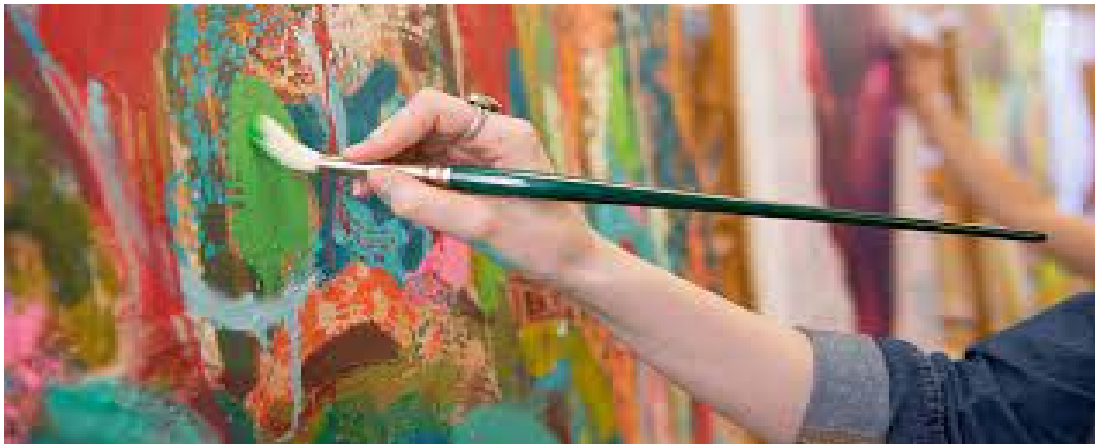
- 1) Submit an ★2024-25 Intent to Participate form no later than April 1, 2024.
- 2) Must complete an assessment exam (ACT, SAT, or \*Accuplacer) and \* test "College Ready" OR test in the conditionally eligible range and have a 3.0 GPA and recommendation from school counselor or principal.

3) You must complete an application for Cincinnati State Technical and Community College by 4/26 in order to be eligible to take this course at WCHS.

*\* Students will be responsible for scheduling placement testing on their own directly through Cincinnati State.*

★ [Intent to Participate](#)

CCP Art History is worth 6 college art history credits. This course covers major art movements from prehistory through contemporary art. This art history course will involve projects, writing, presentations and group work to reinforce and further explore content. CCP Art History aligns with Clark State's ART 1001 and ART 1002.



---

## **PRACTICAL ART COURSES**

### **FASHION, SEWING, AND INTERIOR DESIGN**



#### **FASHION, SEWING, AND INTERIOR DESIGN**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credits**

**Course Code-5310**

**Prerequisite - NONE**

**Fee-\$5.00**

This class is for students who are interested in fashion, how to use a sewing machine and interior design. Students will do a minimum of two sewing projects and also an interior design project. The structure of this class alters between classroom instruction, practice and independent lab time. If you like project based learning experiences, being creative, or are looking for a lifelong hobby or skill, this class is for you!

### **CHILD DEVELOPMENT**



#### **CHILD DEVELOPMENT**

**Grade - 11, 12**

**Semester / 0.5 Credits**

**Course Code-5320**

**Prerequisite - NONE**

Students will study the various stages of human growth and development. Parenting skills are discussed as positive guidance techniques and child-related issues are studied. Learning activities, observation techniques, and lab experiences in working with young children may be included.

## **FOOD AND WELLNESS**



### **FOOD AND WELLNESS**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credits**

**Course Code-5300**

**Prerequisite - NONE**

**Fee-\$5.00**

Students will study the benefits of sound nutrition and wellness practices. This course emphasizes healthy alternatives in food choices and preparation. Topics will include current wellness issues and prevention of nutrition related diseases. Students will have five food preparation experiences.

## **WOODS**



### **WOODS**

**Grade - 9, 10, 11, 12**

**Semester / 0.5 Credits**

**Course Code-5200**

**Prerequisite - NONE**

**Fee-\$20.00**

The students will have the opportunity to examine several areas of concentration within the field of Woodworking Technology, but there will be an emphasis on furniture and building construction. In all areas, the students will receive a basic overview and skill

development. This course acquaints students with the skills and safety practices needed to be successful in the working world. Students are responsible for the purchase of wood and finishing products for their individual projects. *The students are required to pay a lab fee of \$20 per semester.*

## **ADVANCED WOODS**

### **INDUSTRIAL TECHNOLOGY–ADVANCED WOODS**

**Grade - 10, 11, 12**

**Semester / 0.5 Credits**

**Course Code-5250**

**Prerequisite - Industrial Technology**

**Fee-\$20.00**

This semester course is designed to allow the students to acquire a greater proficiency and skill set in furniture and building construction. Students are responsible for a \$20 lab fee and for purchasing wood and their finishing supplies. Students may take this course more than once for credit with instructor approval.

## **HOME MAINTENANCE**



### **HOME MAINTENANCE**

**Grade - 10, 11, 12**

**Semester / 0.5 Credits**

**Course Code-5275**

**Prerequisite - NONE**

**Fee-\$20.00**

This course will explore many home repair projects that are associated with independent living. The students will gain experience in basic framing,

electrical wiring, drywall hanging and finishing. Each student will learn the proper techniques to install faucets, windows, doors and door locks. Students will learn the basic safety practices for and gain valuable experience in using hand tools as well as small electrical tools. The class will be introduced to many other aspects of finish carpentry for both interior and exterior applications along with many of the skills necessary to enter the workforce following graduation. If time allows, the students will have the opportunity to construct a full size shed. ***There will be a \$20 lab fee to cover the cost of material.***

## **ENGINEERING DESIGN**



### **ENGINEERING DESIGN**

**Grade - 9**

**Year / 1 Credit**

**Course Code- 6685**

**Prerequisite - NONE**

This course is structured around six major projects and is required before taking any other engineering courses. Students will learn to keep an engineering notebook, and use engineering tools such as calipers, Computer Aided Design

(CAD)software, 3D printers, and other manufacturing and fabrication tools in the woodshop. They will design and build prototypes, learn to reverse engineer, and create CAD designs of existing objects. They will also learn to design for 3D printing in at least one project, and learn the basics of DC electrical circuits and electrical components. They will understand how to assess and improve the quality of a product using peer and teacher critique, and the engineering design process. There is little homework in this course, and few quizzes or tests. Practical knowledge of skills, tools and processes is assessed by doing under teacher supervision. The end-of-year integrated project involving all knowledge and skills learned is to be determined by students, teachers and school or community needs and resources. Pre-Algebra recommended; 8th grade math required.

## **ENGINEERING PRINCIPLES (AVAILABLE 2025-2026 SCHOOL YEAR)**

### **ENGINEERING PRINCIPLES**

**Grade - 11, 12**

**Semester / 0.5 Credits**

**Course Code- 6680**

**Prerequisite - Algebra I and Geometry**

This course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Topics include mechanisms, energy statics, materials and kinematics. Additionally, students will learn material properties and electrical, control and fluid power systems. Students will learn to apply problem solving, research and design skills to create solutions to engineering challenges.

This is a junior/senior level course, and will use upper level analytical and math skills to learn about mechanical, electrical, and other systems. Students will reinforce their learning by doing projects, and the major focus is to understand, predict and describe the motion of objects, statics (non moving systems), and ballistics. Students will learn the basics of electrical theory, soldering circuits and electrical components. Students will apply materials science principles and knowledge of structural engineering, CAD, and data analysis to create products which solve a problem. Hydraulic and Pneumatic systems will also be explored. A final end-of-year integrated project involving all knowledge and skills learned is to be determined by school or community needs and resources. Algebra and Geometry required.

## **DIGITAL ELECTRONICS (AVAILABLE 2026-2027 SCHOOL YEAR)**

### **DIGITAL ELECTRONICS**

**Grade - 11, 12**

**Semester / 0.5 Credits**

**Course Code- 6690**

**Prerequisite - Algebra I and Geometry**

Students are introduced to the process of combinational and sequential logic design. The system uses a precise sequence of discrete voltages, representing numbers, non-numeric symbols or commands for input, processing, transmission, storage or display. Engineering standards and methods for technical documentation will also be learned.

In this course students will apply math and data analysis to program digital electronics, solder circuits, create circuits with breadboards, and use electronic design software to prototype solutions. Students will dive deep into electrical theory, and understand the function of electrical components (resistors, capacitors, diodes, logic gates etc.). They will apply Boolean algebra and master the skills necessary to create functional digital electronic solutions using off-the-shelf components. Algebra and Geometry required.

## **ROBOTICS (AVAILABLE 2027-2028 SCHOOL YEAR)**

### **ROBOTICS**

**Grade - 11, 12**

**Semester / 0.5 Credits**

**Course Code- 6680**

**Prerequisite - Algebra I and Geometry**

Students will apply the knowledge and skills necessary to program and operate robots, using the teach pendant as the main interface point. Students will learn robotic operations and system configurations. Students will code, compile and debug programs using the robotic programming language. In this course students will apply math and data analysis to program digital electronics, solder circuits, create circuits with breadboards, and use electronic design software to prototype solutions. Students will dive deep into electrical theory, and understand the function of electrical components (resistors, capacitors, diodes, logic gates etc.). They will apply Boolean algebra and master the skills necessary to create functional digital electronic solutions using off-the-shelf components. Algebra and Geometry required.





## MUSIC

In music courses at West Carrollton High School, the students will explore and perform music of all types and periods, including both English and foreign language texts. A variety of small ensembles and solo performance opportunities is available to students enrolled in vocal and instrumental music. All music courses will count towards the fine art requirement for graduation.

---

### CHAMBER CHOIR



#### **CHAMBER CHOIR**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code-8000**

**Prerequisite - Successful Audition**

**Fee-\$10.00**

This course aims to help students develop an advanced level of musical proficiency through performance. Music of all types and historical periods is studied and performed. Students enrolled in the course are expected to participate in multiple performances at school, in the community, and at district and state competitions and festivals. Most performances are after school hours. Enrollment for the entire year is required. May be repeated for credit. An additional

fee for costumes is required.

## **SYMPHONIC CHOIR**

### **SYMPHONIC CHOIR**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit OR Semester / 0.5 credit**

**Course Code-8200**

**Prerequisite - Enrolled in Chorus at Current School or Audition**

**Fee-\$20.00**

This course aims to help students develop a high level of musical proficiency through performance. Music of all types and historical periods is studied and performed. Students enrolled in the course are expected to participate in multiple performances at school, in the community, and at district and state competitions and festivals. Most performances are after school hours. Enrollment for the entire year is preferred. May be repeated for credit. An additional fee for costumes is required.

## **HONORS CHAMBER CHOIR**

### **HONORS CHAMBER CHOIR**

**Grade - 11, 12**

**Year / 1 Credit**

**Course Code-8100**

**Prerequisite - Successful Audition and Teacher Permission**

**Fee-\$10.00**

This course aims to help students with an advanced ability to study choral music extensively. In addition to the materials covered in Symphonic or Chamber Choir, students enrolled in Honors choir will participate in additional music performances (such as Mutiny, Vocal Expressions, private vocal study, or nonschool performing ensembles). Further, students will be expected to attend and analyze choral performances other than those they are a part of, conduct research projects based on selected readings, and be section leaders who run portions of rehearsals with small groups of the choir. *Students must be enrolled for the entire year and the Honors Choir may only be taken once during either the junior or senior year.*

**\*\*\*Students are committed to a full year of honors instruction.**



## **CONCERT WINDS**

### **CONCERT WINDS**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code-8900**

**Prerequisite - Successful Audition**

This course aims to help students develop an advanced level of musical proficiency through performance. Music of all types and historical periods is studied and performed. Students enrolled in the course are expected to participate in multiple performances at school, in the community, and at district and state competitions and festivals. Most performances are after school hours. *Enrollment for the entire year is required. May be repeated for credit. An additional fee for concert attire is required.*

## **SYMPHONIC BAND**

### **SYMPHONIC BAND**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code-8300**

**Prerequisite - Enrolled in Band at Current School or Audition**

This course aims to help students develop a high level of musical proficiency through performance. Music of all types and time periods is studied and performed. Students enrolled in the course are expected to participate in multiple performances at school, in the community, and at district and state competitions and festivals. Most performances are after school hours. *Enrollment for the entire year is preferred. May be repeated for credit. An additional fee for concert attire is required.*

## **HONORS BAND**

### **HONORS BAND**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code-8700**

**Prerequisite - Successful Audition and Teacher Permission**

This course aims to help students develop an advanced level of musical proficiency through extensive performance. In addition to materials covered in Symphonic Band or Concert Winds class, students enrolled in Honors Band will participate in additional performance opportunities (such as, but not limited to, Solo and Ensemble, private lessons, and /or nonschool performing groups). Students will also be expected to attend and evaluate band performances as an audience member each quarter.

*Students must be enrolled for the entire year.*

**\*\*\*Students are committed to a full year of honors instruction.**

## **SYMPHONIC ORCHESTRA**

### **SYMPHONIC ORCHESTRA**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code-8400**

**Prerequisite - Enrolled in Orchestra at Current School or Audition**

This course aims to help students develop a high level of musical proficiency through performance. Music of all types and time periods is studied and performed. Performance opportunities range from concerts to large group adjudicated events including String Orchestra and Full Orchestra. Optional experiences include Solo and Ensemble. *Students enrolling in orchestra are*

*expected to attend and participate in all scheduled events.* Enrollment for the entire year is preferred. May be repeated for credit.

## **CHAMBER ORCHESTRA**

### **CHAMBER ORCHESTRA**

**Grade - 9, 10, 11, 12**

**Year / 1 Credit**

**Course Code-8800**

**Prerequisite - Successful Audition**

This course aims to help students develop an advanced level of musical proficiency through performance. Music of all types and time periods is studied and performed. Performance opportunities include concerts, community events, and large group adjudicated events including State Orchestra. Solo and Ensemble performance is highly encouraged. *Students enrolling in Chamber Orchestra are expected to attend and participate in all scheduled events.* Enrollment for the entire year is required. May be repeated for credit.

## **HONORS ORCHESTRA**

### **HONORS ORCHESTRA**

**Grade - 11, 12**

**Year / 1 Credit**

**Course Code-8410**

**Prerequisite - Successful Audition and Teacher Permission**

This course aims to help students develop an advanced level of musical proficiency through extensive performance. In addition to materials covered in Orchestra class, students enrolled in Honors Orchestra will participate in additional performance opportunities (such as, but not limited to, the Chamber Music program, private lessons, and /or non-school performing groups). *Students will also be expected to attend and evaluate orchestral performances as an audience member each quarter. Students must be enrolled for the entire year.*

**\*\*\*Students are committed to a full year of honors instruction**



## **BASIC GUITAR**

**BASIC GUITAR**  
**Grade - 9, 10, 11, 12**  
**Semester / 0.5 Credit**  
**Course Code-8500**  
**Prerequisite - NONE**

This is a “hands on” course for students interested in starting or improving upon their basic acoustic guitar skills. Students will learn tuning, basic chords, progressions and songs. Guitar class students are expected to be participating daily (playing the guitar and keeping up with all assignments).

## **ADVANCED GUITAR**

**ADVANCED GUITAR**  
**Grade - 9, 10, 11, 12**  
**Semester / 0.5 Credit**  
**Course Code-8510**  
**Prerequisite - Basic Guitar or Instructor Approval**

This course builds on the techniques learned in Basic Guitar. Students will learn to read tablature, perform scales and melodies, and demonstrate advanced techniques through playing songs in a variety of genres. Students will also be introduced to improvisation (soloing) and composition (songwriting).