



# Advanced Placement at TCCHS

**AP English Language and Composition:** Students focus on reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. Usually taken after 10th Honors Literature/Composition.

**AP English Literature and Composition:** Students focus on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Usually taken after AP English Language and Composition.

**AP World History:** Students investigate significant events, individuals, developments, and processes from 1200 to the present. Usually taken in 10th Grade or higher.

**AP United States History:** Students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Usually taken after AP World History or Honors World History.

**AP Calculus AB/AP Calculus BC:** Students focus on understanding calculus concepts and gain experience with methods and applications. Both courses require students to use definitions and theorems to build arguments and justify conclusions. Honors Pre-Calculus is a prerequisite for this course.

**AP U.S. Government and Politics:** Students are introduced to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Can be taken as early as ninth grade with approval of MERIT Transition Coordinator.

**AP Human Geography:** Students are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface.

**AP Psychology:** Students are introduced to the systematic and scientific study of human behavior and mental processes as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

**AP Computer Science A:** Students are introduced to computer science through programming. Honors or Advanced Algebra I is a recommended prerequisite for this course.

**AP Statistics:** Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Honors Algebra II is a prerequisite for this course.

**AP Studio Art:** Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Usually taken 11th or 12th grade year.

**AP Biology:** Students study the core scientific processes that govern living organisms and biological systems and use hands-on lab work to investigate natural phenomena. Biology, Physical Science, and Chemistry (preferably at the Honors level) are prerequisites for this course.

**AP Chemistry:** Students cultivate their understanding of chemistry through inquiry-based investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Honors Chemistry is a prerequisite for this course.

**AP Environmental Science:** Students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. Honors Physical Science and Honors Biology along with Honors/Advanced Algebra I are prerequisites for this course.

**AP Physics 1:** Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. AP Chemistry or Honors Chemistry is a recommended prerequisite for this course.

**AP Art History:** Students are introduced to the global art world as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Honors or AP World History is a recommended prerequisite for this course.

**AP Music Theory:** Students learn about topics such as musicianship, theory, and musical materials and procedures. Recommended prerequisites are two years of band, chorus, or orchestra and current enrollment in band, chorus, or orchestra.

**AP Seminar:** Students learn to consider issues from multiple perspectives, identify credible sources, evaluate strengths and weaknesses of arguments, and make logical, evidence-based recommendations. Recommended for 10th grade students enrolled in at least one other AP class.

**AP Research:** Students explore various research methods and complete an independent research project on a topic of their choice. AP Seminar is a prerequisite for AP Research. Recommended for 11th grade students enrolled in at least one other AP class.