



HUTCHINSON CENTRAL TECHNICAL HIGH SCHOOL

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Why AP?

- Stand out in college admissions
- Earn college credit
- Skip introductory college classes
- Save money on tuition
- Build college skills and confidence
- Explore college interests
- Turn subjects you love into career paths

Advanced Placement Course Descriptions

AP Biology: Will require at least 30 minutes of homework per night and additional time on weekends. Due to extensive lab work, attendance is extremely important.

AP Calculus AB or BC: An average of one hour per night doing homework or studying. Attendance is extremely important

AP Chemistry: The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year

AP Computer Science Principles: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

AP English Language: Average one hour homework per night of writing weekly essay rhetorical analyses and reading selections from three textbooks. During the year the student will write six essays and one research paper, compose several analytical or creative responses to readings, and read one outside novel by an American author per quarter.

AP English Literature (Grade 12): Homework will average 3-5 hours per week and will consist of reading, writing and completing class projects. You will be challenged to extend your critical thinking skills through reading, discussing, analyzing and writing about complex works of literary merit. Environmental Science: Students must devote 2-3 hours per week to homework in addition to reading 1-2 chapters weekly of a college-level textbook. Students will also conduct complex experiments in a lab setting as well as outdoors which require thoughtful analysis and written lab reports.

AP Environmental Science: Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

"Putting Children And Families First To Ensure High Academic Achievement For All"

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AP French: AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

AP Physics C: Mechanics: Calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering or health sciences. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

AP Seminar and AP Research: AP Capstone™ is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — AP Seminar and AP Research — and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. AP Seminar is a prerequisite for AP Research. Completing AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research. In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate™. (Starting in 10th grade Biochemistry major students)

AP Spanish: Be prepared for at least 1 hour of homework per weeknight plus some work on the weekends. This course requires weekly Spanish journal writing, editing, and rewriting as well as internet research in the target language. It requires that you read many short stories, plays and poems in Spanish and analyze literary elements of these genres through Spanish writing and speaking assignments.

AP Studio in 2D Art: The AP Art and Design course framework is composed of course skills, big ideas, essential questions and enduring understandings, learning objectives, and essential knowledge. AP Art and Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills that encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts.

AP U.S. History: To meet the requirements and cover the material set down by the College Board, students will be assigned approximately 5-10 of homework per week and additional work on weekends. Students will be taught how to process college level materials and write essays that adhere to college level conventions. Evaluation of student work is also based on college level expectations. Reading the book is imperative and daily attendance is extremely important.

AP World History: To meet the requirements and cover the material set down by the College Board, students will be assigned one to two hours of homework per class period and additional work on weekends. Students will be taught how to process college level materials and write essays that adhere to college level conventions. Evaluation of student work is also based on college level expectations.

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