

Advanced Course Offerings Available at WHS

AP PSYCHOLOGY

Prerequisites: None **Grade Level:** 10-12 **Credit:** ½ credit per semester

This course is an advanced study option for those interested in the complexities of human behavior and in developing the skills of the social scientist. All students take the College Board Advanced Placement Examination. (+ 1.0 weighted credit)

AP HUMAN GEOGRAPHY

Prerequisites: None **Grade Level:** 9-12 **Credit:** ½ credit per semester

This course focuses on theoretical and practical applications in the field of geographic inquiry. It provides students with the opportunity for hands-on, in-depth study of human geography through classroom discussion, cooperative activities, technology activities, cartography, readings, lab work, and outside research and field work.

AP WORLD HISTORY

Prerequisites: None **Grade Level:** 9,10,11,12 **Credit:** ½ credit per semester

At the Advanced Placement level, world history students go beyond the general understanding of history. They think seriously and write extensively on the major themes of history from the foundations of civilization to the present day. All students take the College Board Advanced Placement Examination. (+ 1.0 weighted credit) AP World History is an advanced study option for students. The specific skills students will master include persuasive writing, note taking, self-discipline reading analytically, pre-writing, time management, and learning for the long term. The course covers Prehistory to the present.

AP UNITED STATES HISTORY

Prerequisites: None **Grade Level:** 11 **Credit:** 1/2 credit per semester

At the Advanced Placement level, U.S. History students study the people and events of our country in detail, from both secondary and primary sources. Students write extensively to perfect their essay writing and critical thinking skills, and all students take the College Board Advanced Placement Examination. (+ 1.0 weighted credit)

AP UNITED STATES GOVERNMENT

Prerequisites: None **Grade Level:** 12 **Credit:** 1/2 credit per semester

At the Advanced Placement level, government students learn about federal and state government in detail, and they write extensively to perfect their writing and critical thinking skills. The second semester of the course examines government in other countries to give students a broad understanding of forms of governance. All students take the College Board Advanced Placement Examinations for U.S. and Comparative Government. (+ 1.0 weighted credit)

AP ART HISTORY

Prerequisites: None **Grade Level:** 11-12 **Credit:** ½ credit per semester

This course offers the same benefits to secondary school students as those provided to college students in an introductory art course in art history. Included are an understanding and enjoyment of architecture, painting, sculpture, and other art forms, within cultural and historical contexts. Students will examine the major forms of artistic expression in the past and present including our own and other cultures. Students will learn to express opinions and do research; to compare and contrast styles verbally and in writing. (+ 1.0 weighted credit)

INDEPENDENT ART STUDY/AP STUDIO ART

Prerequisites: One year art and teacher recommendation **Grade Level:** 11,12 **Credit:** ½ credit per semester

Students will develop a portfolio, which is reflective of professional standards and a concentration on a particular visual interest or problem. The course instructor will cooperate with the student to set and develop goals leading to successful portfolio presentation and credit. Students can earn AP credit if the quality of their portfolios warrants submission for AP consideration.

FRENCH, GERMAN, SPANISH I, II, III, IV, AND AP

Prerequisites: None **Grade Level:** 9-12 **Credit:** ½ credit per semester

A sequence of five years of language courses is available. The emphasis in these courses is on the development of the four skills of listening, speaking, reading and writing. The courses also offer the student a basis for a better understanding of the speaking world. The fourth year carries a +0.5 weighted credit. The AP level carries a + 1.0 weighted credit.

ADVANCED PLACEMENT (AP) ENGLISH-11

Prerequisites: Satisfactory completion of English 9 and 10 **Grade Level:** 11 **Credit:** ½ per semester

The AP English 11 course in Language and Composition is primarily a course in effective writing and critical reading. The writing skills that students come to appreciate through attentive and continued analysis of a variety of prose texts can serve them in their own writing as they become increasingly aware of these skills and their pertinent uses. American Literature is the primary focus for analysis and reflection. All SOL requirements are met. In addition, students prepare for and take the College Board's Advanced Placement Test. Some students earn credit or advanced English placement in their chosen colleges based on their AP test scores. The instructional level equals that of college freshman English courses. (+ 1.0 weighted credit)

ADVANCED PLACEMENT (AP) ENGLISH-12

Prerequisites: Satisfactory completion of English 9, 10, and 11 **Grade Level:** 12 **Credit:** ½ per semester

The AP English course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing is an integral part of AP English. Students prepare for and take the College Board's Advanced Placement Test. Some students earn credit or advanced English placement in their chosen colleges based on their AP test scores. The instructional level equals that of college freshman English courses. (+ 1.0 weighted credit)

AP CALCULUS AB

Prerequisites: Mathematical Analysis **Grade Level:** 11, 12 **Credit:** 1/2 per semester

Calculus AB is a one year study preparing students to take the College Board Advanced Placement exam in Calculus. This course is intended for students who have a thorough knowledge of college algebra, analytic and axiomatic geometry and trigonometry. It includes the study of elementary functions, differential and integral calculus. Students who successfully complete Calculus AB and receive an acceptable score on the Advanced Placement test may receive college credit and/or advanced standing in college. (+ 1.0 weighted credit)

AP CALCULUS BC

Prerequisites: Mathematical Analysis **Grade Level:** 11, 12 **Credit:** 1 per semester

Calculus BC is a two period one year study preparing students to take the College Board Advanced Placement exam in Calculus. This course is intended for students who have a thorough knowledge of college algebra analytic and axiomatic geometry and trigonometry. All of the Calculus AB topics are included along with additional topics, sequences, and series. Students who successfully complete the course and receive an acceptable score on the Advanced Placement test may receive college credit and/or advanced standing in college. (+ 1.0 weighted credit)

AP STATISTICS

Prerequisites: Math Analysis or equivalent **Grade level:** 11,12 **Credit:** ½ per semester

Advanced Placement Statistics is a one year study of major statistics concepts and the tools for collecting, analyzing, and drawing conclusions from data. Students prepare to take the Advanced Placement examination for statistics.
(+ 1.0 weighted credit)

AP COMPUTER SCIENCE IN JAVA

Prerequisites: Alg2 Trig or H Computer Programming in C++ **Grade Level:** 11, 12 **Credit:** ½ per semester

Computer Science extends the concepts of programming studied previously. Programming is done using JAVA. Enrollment is limited to available equipment and facilities. Students who successfully complete the course and receive an acceptable score on the Advanced Placement Test may receive college credit and/or advanced standing in college. (+ 1.0 weighted credit)

IB COURSES OFFERED TO HONORS/AP STUDENTS WHO APPLY AS IB CERTIFICATE CANDIDATES

Students must apply through the IB office to become Certificate Candidates. They are expected to fulfill the requirements of the IB and sit for the IB exams, and they will be allowed to sit for the corresponding AP exam.

Social Anthropology is a comparative study of culture and human societies. It explores both the universal principles of social and cultural life and characteristics of specific societies and cultures.

Sciences are offered to provide students with opportunity for search and discovery, development of and understanding of the knowledge of science principles and concepts, development of the application of knowledge and skills to generate new knowledge, and encourage an awareness of the impact of science on society to prepare for life in a technological age.

Biology studies the fundamental characteristics of living matter from the molecular level to the vertebrate organism including cells, chemistry of life, genetics, ecology, human health and physiology, nucleic acids and proteins, and plant studies.

Chemistry investigates stoichiometry, atomic theory, bonding, energetics, kinetics, oxidation and reduction, and organic chemistry.

Physics is an in-depth study of the laws of physics. experimental skills, mechanics, optics, sound, electricity, magnetism, atomic and nuclear physics, thermodynamics, and biomedical physics.

Art/Design stimulates the knowledge of the rich artistic heritage of many cultures and teaches students that there is the freedom to create in various visual symbols.

Music allows for exploration of the shared human perceptions and emotions which temper our lives. It demands that the educated musician and music lover be able to recognize and articulate musical elements realized in diverse examples of music making.

Business and Management is the rigorous and critical study of the ways in which individuals and groups interact in a dynamic business environment. It is an academic discipline that examines how business decisions are made and how these decisions make an impact on internal and external environments. The ideals of international cooperation and responsible citizenship are at the heart of business and management.

Information Technology in a Global Society (ITGS) is the study and evaluation of the impact of information technology on individuals and society. It explores the advantages and disadvantages of the use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of information technology (IT) within social contexts.

Philosophy explores the fundamental questions: What exists? What is it to be a human being? What can we know? How do I know what is the right thing to do? These questions are explored through an examination of themes and texts. The emphasis of IBO Philosophy is on doing philosophy (as opposed to studying the history of philosophy.) The aim is for candidates to become aware of their own biases and those of others. At the core of the philosophy course is a search for truth with a clarity of understanding achieved through critical and systematic thinking, careful analysis of arguments and close reading.

Theatre Arts is fundamentally an introduction to acting with additional instruction in theatre safety, theatre history, stagecraft, and basic directing and scriptwriting.