



Advanced Placement – English

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Are you interested in taking AP?

<p>AP English Language and Composition This year long course is designed to create students who are effective writers at the postsecondary level. Students read and analyze text – mostly non-fiction - and practice a variety of writing such as the rhetorical essay, argument essay and synthesis essay. This course aligns well with AP US History and is often taken in place of English III.</p>	<p>Explore AP: https://apstudent.collegeboard.org/exploreap</p> 
<p>AP English Literature and Composition This year long course is the equivalent of an introductory college literature course. The course follows the AP curriculum framework and prepares students for success on the AP exam. The course includes a study of literary analysis terms, poetry, prose, drama, etc. with an emphasis on texts that range from the 16th to the 21st century. Students learn to write the poetry essay, the prose essay and the open essay. This course is often taken in place of English IV.</p>	<p>Learn more about AP at your school: ap.dmschools.org</p> 

Advanced Placement – Science

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<p>AP Environmental Science (APES) This year long course is the equivalent of a semester course at the college level. APES uses project-based learning methods to study the natural world, environmental problems, and solutions for resolving and preventing these problems.</p>	<p>AP Biology This year long course is the equivalent of an introductory college biology course. It's an intensive study of molecular biology of the cell, genetics, evolution, organisms and populations. Laboratory work is extensive.</p>	<p>AP Science offered <u>only</u> @ Central Academy: AP Physics 2 AP Physics C (calculus-based physics)</p>
<p>AP Chemistry This year long course is the equivalent of an introductory college chemistry course. It's an intensive study of matter at the atomic and molecular level. This covers formula writings, types of reactions, and additional topics in chemistry. Laboratory work is extensive.</p>	<p>AP Physics 1 This year long course is the equivalent of a semester course at the college level. This is an algebra-based physics course, so students need to be either in or have completed Algebra 2. This course studies forces, gravity & fields, energy, momentum, and kinematics.</p>	<p>Explore AP: https://apstudent.collegeboard.org/exploreap</p> <p>Learn more about AP at your school: ap.dmschools.org</p>  

Advanced Placement – World Languages

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<p>AP Spanish Language and Culture This course is designed for students who want an opportunity to demonstrate proficiency in three modes of communication in Spanish: interpersonal, interpretive, and presentation. This is equivalent to an upper-intermediate college or university Spanish course. The exam requires students to read, write, listen and speak in Spanish. This course is often taken in a student's fourth or fifth year studying the language.</p>	<p>Chinese Language German Language Italian Language Japanese Language All of the world languages classes listed above are offered at Central Academy. Course pathways in each of these languages will prepare you for the AP exam.</p>
<p>AP French Language and Culture This course is designed for students who want an opportunity to demonstrate proficiency in three modes of communication in French: interpersonal, interpretive, and presentation. This is equivalent to an upper-intermediate college or university French course. The exam requires students to read, write, listen and speak in French. This course is often taken in a student's fourth year of studying the language. This course is only offered at Central Academy.</p>	<p>Explore AP: https://apstudent.collegeboard.org/exploreap</p> <p>Learn more about AP at your school: ap.dmschools.org</p> 

Advanced Placement – Social Studies

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<p>AP Human Geography This year long course is the equivalent of a semester course at the college level. Get a grip on the topics like culture, language, religion, ethnicity, global politics, cities and urban land use, agriculture, and the migration of peoples.</p>	<p>AP Psychology This year long course is the equivalent of an introductory college psychology course. Students study the origins of psychology, research methods, and topics such as personality, learning/motivation, and abnormal behavior.</p>	<p>AP Economics This course can be semester or year long and prepare students for one or two AP economics exams (Macro and Micro). This course is the equivalent of an introductory college economics course.</p>
<p>AP US History This year long course is the equivalent of two semesters of college US History. It's an intensive study of our nation's history from pre-Columbian societies to the present day. Students learn to write a document-based essay and think like a historian. This course aligns well with AP English Language.</p>	<p>AP US Government This year long course is the equivalent of a semester course at the college level. This course uses project-based learning methods to engage students in projects to investigate the government and the game of politics. Students actively participate in a moot court, a mock Congress, and an election simulation, just to name a few.</p>	<p>Some AP Social Studies are offered only @ Central Academy: AP Comparative Government AP European History AP World History AP Art History</p> <p>Explore AP https://apstudent.collegeboard.org/exploreap ap.dmschools.org</p>

Advanced Placement – Mathematics

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<p>AP Statistics This year long course is the equivalent of an introductory college level statistics course. The course follows the AP curriculum framework and prepares students for success on the AP exam. Students will conduct a study, explore random phenomena using probability and simulation, and test hypotheses. This class requires more reading and writing than other math courses. Students should be comfortable with using the calculator as a tool. Students should have a <u>C or higher in Algebra 2</u> before taking AP Statistics. Above all, students need to embrace perseverance (mathematical practice standard #1).</p>	<p>AP Mathematics offered only @ Central Academy: AP Calculus B/C</p> 
<p>AP Calculus A/B This year long course is the equivalent of an introductory college calculus course. The course follows the AP curriculum framework and prepares students for success on the AP exam. The course includes a study of the properties of functions, limits, differential calculus, and integral calculus. Students should be comfortable with solving multi-step equations, graphing any type of function, and any type of variable manipulation (substituting variables, etc.) Students should have a <u>C or higher in Pre-Calculus</u> before taking AP Calculus. Above all, students need to embrace perseverance (mathematical practice standard #1).</p>	<p>Explore AP: https://apstudent.collegeboard.org/exploreap</p> <p>Learn more about AP at your school: ap.dmschools.org</p> 

Advanced Placement – Fine Arts

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<p>AP Studio Art This course is designed for students who are seriously interested in the practical experiences of art. This course is not based on a written exam, but instead, students submit portfolios for evaluation at the end of the school year. The program has three portfolio options: 2-D design, 3-D design, and Drawing – which correspond to the most common college foundation courses. Each portfolio asks the students to demonstrate a depth of investigation and process of discovery through three sections: Concentration, Breadth, and Quality.</p>	<p>AP Art History – offered at Roosevelt only This introductory survey course deals with the history of art and its evolution from ancient to modern societies. The course covers approximately 30,000 years of art creation and analyzes current art trends across the world. Students actively engage, explore, analyze and question art from different time periods.</p>
<p>AP Music Theory This year long course is the equivalent of an introductory college music theory course. Students learn to identify scales, intervals, chord progressions and modulations by sound and sight. This is an intensive course that teaches students to write and analyze music. While there are no official prerequisites, students with a music or performing arts background will have a definite advantage with the content and skills being learned.</p>	<p>Explore AP: https://apstudent.collegeboard.org/exploreap</p> <p>Learn more about AP at your school: ap.dmschools.org</p>

****If you have questions about which course might be right for you, please contact your counselor or Mrs. O'Donnell in room 3030. You can also talk to one of our building schedulers in the library or your current teachers!**