

## Advanced Placement Courses at Ida S. Baker High School

COURSE	CREDIT	GRADE	TEACHER	DESCRIPTION	HW HOURS PER WEEK	Teacher Recommendation Needed From
AP Capstone Seminar	1.0	10 <sup>th</sup> -12 <sup>th</sup>	TBA	Students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.		
AP Studio Art 2-D	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Bluestein	Students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. This portfolio of work comprised of three sections is submitted for evaluation at the end of the school year. Students work with diverse media, styles, subjects, and content and are asked to document their artistic ideas and practices to demonstrate conceptual and technical development over time.	3	Previous Art Teacher
AP Studio Art 3-D*	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Cotton	The 3-D Design portfolio involves decision making about how to use the elements and principles of art as they relate to the integration of depth, space, volume, and surface, either actual or virtual. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.		Previous Art Teacher
AP Music Theory*	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Ambrose	AP Music Theory corresponds to two semesters of a typical introductory college music theory course covering topics such as musicianship, theory, musical materials, and procedures. Students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Students understand basic concepts and terminology by listening to and performing a wide variety of music.		Previous Music Teacher
AP Computer Science A	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Dingerson	The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data, approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes object-oriented and imperative problem solving and design using the Java		Previous IT Teacher

				language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.		
AP English Language	1.0	11th	Nitting	Students focus on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts.	4	10 <sup>th</sup> grade English teacher
AP English Literature	1.0	12th	Mikolajczyk	For us to really understand ourselves, we need to study from where we come. Great literature is a cultural exploration of self. Students in AP Literature and Composition look at themselves through the lens of the American and British Canon. They read and write argumentatively every day to prepare for the May exam. Students keep track of their timed writings, essays, and revisions in a personal data folder. Students receive feedback in the areas of diction, syntax, organization, and overall efficacy of argument.	4	11 <sup>th</sup> grade English teacher
AP French*	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Taymont	The AP French Language and Culture course emphasizes communication by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness.		Previous French Teacher
AP Spanish	1.0	11th-12th	I. Silva	AP Spanish is a diverse, cultural, and immersive class that teaches students to further their Spanish knowledge and communication abilities. In today's global community, competence in more than one language is an essential part of communication and cultural understanding.	5	Previous Spanish teacher
AP Calculus AB	1.0	11th-12th	Klos	AP Calculus AB is a rigorous course that requires a student to not only think mathematically, but apply their Calculus knowledge conceptually in various contexts.	5	Previous Math teacher
AP Calculus BC*	1.0	12 <sup>th</sup>	Nordquist	AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.		Previous Math teacher

AP Statistics*	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Caserio	The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.		Previous Math teacher
AP Biology	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Deeter	AP Biology - a higher thinking level course exploring molecular biology, cellular biology, genetics, ecology, and anatomy.	5	Previous Science teacher
AP Chemistry	1.0	11 <sup>th</sup> -12 <sup>th</sup>	M. Woodward	Some chemistry is required for every science major, so if a student feels that they may do any kind of science as a career, AP Chemistry will insure that the rigor of college chemistry (which is difficult enough to cause students to switch majors) will not deter their science plans.	6-10	Previous Science teacher
AP Environmental Science	1.0	11 <sup>th</sup> -12 <sup>th</sup>	Van Horn	AP Environmental Science combines knowledge of a variety of sciences to understand the interrelationships of the natural world, analyze environmental problems, and examine solutions for resolving them. By the very nature of the topics and their relevance to current events, this course appeals to students who have interest in the environment and nature, science, engineering, social sciences, law, economics, computers, and literature.	3	Previous Science teacher
AP Physics 1 AP Physics 2 AP Physics C	1.0	12 <sup>th</sup>	J. Woodward	AP Physics is designed for the student who will major in Life Science, Pre-Med, Engineering or area with a heavy concentration in Physics. This course is equivalent to a one-year undergraduate college course covering such topics as mechanics, electricity and magnetism, optics and wave theory, thermodynamics, and kinetic theory. A knowledge of and ability to use Algebra 2 and Trigonometry concepts is necessary.	6-10	Previous Science teacher
AP American Government	0.5	12 <sup>th</sup>	Mack	Students will gain a critical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies.	5	Previous Social Studies teacher
AP European History*	1.0	11 <sup>th</sup> -12 <sup>th</sup>	J. Peace	The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) that students explore		Previous Social Studies teacher

				throughout the course in order to make connections among historical developments in different times and places.		
AP Human Geography	1.0	9 <sup>th</sup> – 12 <sup>th</sup>	Boye	Students will develop critical thinking skills through the understanding, application, and analysis of geography, including nature & space, population & migration, culture, political space, economic development, urbanization, agriculture, and industrialization. Students will be introduced to the patterns and processes that shape human understanding, use, and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences.	4	Previous Social Studies teacher
AP Macroeconomics	0.5	12 <sup>th</sup>	Cottrell	Macroeconomics is a leadership course for those interested in business, finance, government and the social sciences or for those interested in how the larger economy operates in a free-market system.	2-3	Previous Social Studies or Math teacher
AP Psychology	1.0	10 <sup>th</sup> -12 <sup>th</sup>	Sanchez	The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes.	3	Previous Social Studies, English, or Science teacher
AP US History	1.0	11 <sup>th</sup>	Mack	AP US is a college-level course providing analysis and evaluation of American historical concepts and themes. Historical issues will be studied and interpreted through primary and secondary sources. Students must actively participate in class discussions, effectively complete critical writing exercises and essays, and practice historical thinking skills through research and analysis	3-5	Previous Social Studies teacher
AP World History	1.0	10 <sup>th</sup>	Hulfeld	Students are introduced to world civilizations and cultures. This understanding is advanced through a combination of very selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.	5	Previous Social Studies teacher

\*Possible offerings for 2017-2018 pending on student interest