

## AP Course Descriptions

### AP English Courses:

- 🐾 **AP English Language\* (11<sup>th</sup>)**  
Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.
- 🐾 **AP English Literature\* (12<sup>th</sup>)**  
Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

### AP Math Courses:

- 🐾 **AP Statistics\* (11<sup>th</sup> or 12<sup>th</sup>)**  
Introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.
- 🐾 **AP Calculus AB\* (12<sup>th</sup>)**  
Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

### AP Science Courses:

- 🐾 **AP Biology\* (11<sup>th</sup> or 12<sup>th</sup>)**  
Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.
- 🐾 **AP Environmental Science\* (11<sup>th</sup> or 12<sup>th</sup>)**  
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.

- 🐾 **AP Chemistry\* (11<sup>th</sup> or 12<sup>th</sup>)**  
Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.
- 🐾 **AP Physics 1\* (11<sup>th</sup> or 12<sup>th</sup>)**  
An algebra-based, introductory college-level physics course. 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 Social Studies Courses:

- 🐾 **AP World History\* (10<sup>th</sup>)**  
Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.
- 🐾 **AP U.S. History\* (11<sup>th</sup>)**  
Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.
- 🐾 **AP U.S. Government and Politics\* (12<sup>th</sup>)**  
Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

*An asterisks symbol \* indicates teacher approval is needed for the course.*

*A hashtag symbol # indicates a course that gives **Performing/Fine/Practical Arts credit** (1.0 credit required for graduation).*

### **AP Elective Courses:**

#### **🐾 AP Human Geography (9<sup>th</sup> – 12<sup>th</sup>)**

Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

#### **🐾 AP Psychology (10<sup>th</sup> – 12<sup>th</sup>)**

Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations 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 Seminar (10<sup>th</sup> or 11<sup>th</sup>)**

A foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

#### **🐾 AP Studio 2-D Art #\* (9<sup>th</sup> – 12<sup>th</sup>)**

Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design.

#### **🐾 AP Studio 3-D Art #\* (9<sup>th</sup> – 12<sup>th</sup>)**

Does NOT require 2-D before 3-D. In this course Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design.

#### **🐾 AP Art Drawing Portfolio #\* (9<sup>th</sup> – 12<sup>th</sup>)**

Students refine and apply skills and ideas they develop throughout the course to produce drawings.

#### **🐾 AP Computer Science Principles (9<sup>th</sup> – 12<sup>th</sup>)**

It is recommended that students have taken Algebra 1 Or Algebra 1 Honors prior to taking this course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

#### **🐾 AP Spanish Language\* (9<sup>th</sup> – 12<sup>th</sup>)**

This course is equivalent to an intermediate level college course in Spanish. It is recommended that students have taken Spanish 1 and 2, prior to taking this course. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.