

Advanced Placement (AP) Courses

Advanced Placement (AP) courses are rigorous, college-level high school courses developed by the College Board. Students who successfully complete an AP course receive high school credit, and the course is identified with the AP designation on the student's transcript.

Students may also choose to take the corresponding College Board AP Exam, but exam participation is completely optional and is not required to earn high school credit for the course. Online and international students who wish to take an AP Exam must independently locate and register with an authorized testing school or center in their local country or region.

AP Biology

AP Biology provides an introductory college-level study of biological systems and processes. Students investigate topics including evolution, cellular processes, energy, genetics, communication, ecology, and interactions among living systems while developing skills in scientific inquiry, data analysis, modeling, and evidence-based reasoning. The course prepares students for the AP Biology Exam.

Evolution

Natural selection and heredity

Cell Processes

Energy and molecular biology

Genetics

Inheritance and gene expression

Ecology

Ecosystems and interactions

AP Calculus AB

AP Calculus AB introduces students to differential and integral calculus through the study of limits, derivatives, integrals, differential equations, and applications of accumulation and change. Students approach mathematical problems through graphical, numerical, analytical, and verbal representations while developing their ability to justify solutions and communicate mathematical reasoning. The course prepares students for the AP Calculus AB Exam.

Limits

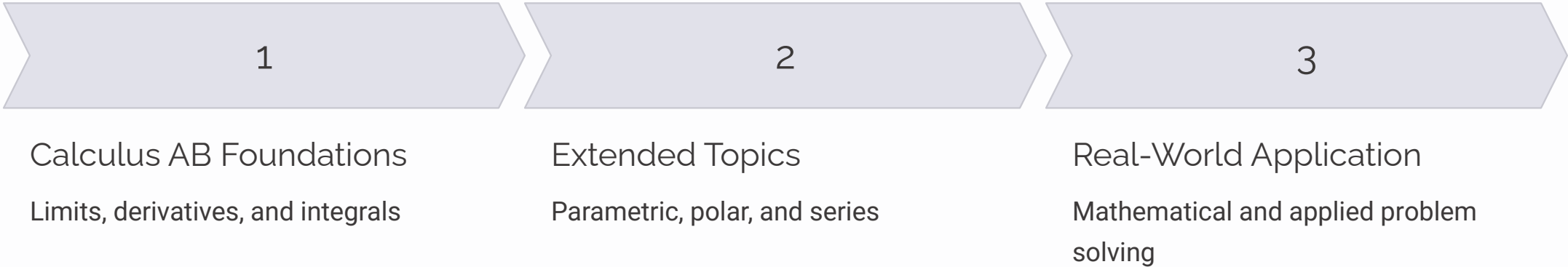
Derivatives

Integrals

Differential
Equations

AP Calculus BC

AP Calculus BC provides an advanced study of differential and integral calculus and extends the concepts of AP Calculus AB to additional topics, including parametric and polar functions, sequences, and infinite series. Students analyze problems using graphical, numerical, analytical, and verbal approaches while applying calculus to mathematical and real-world situations. The course prepares students for the AP Calculus BC Exam.



1

Calculus AB Foundations

Limits, derivatives, and integrals

2

Extended Topics

Parametric, polar, and series

3

Real-World Application

Mathematical and applied problem solving

AP Chemistry

AP Chemistry provides an introductory college-level study of the structure, properties, and interactions of matter. Students explore atomic and molecular structure, chemical reactions, kinetics, equilibrium, acids and bases, and thermodynamics while applying quantitative analysis, laboratory investigation, modeling, and scientific reasoning. The course prepares students for the AP Chemistry Exam.

Atomic & Molecular
Structure

Chemical Reactions
& Kinetics

Equilibrium &
Thermodynamics

Acids, Bases & Lab
Investigation

AP English Language and Composition

AP English Language and Composition develops college-level skills in rhetorical analysis, argumentation, and nonfiction writing. Students analyze how writers use evidence, reasoning, organization, and style to communicate ideas and develop their own evidence-based arguments through writing, source synthesis, revision, and research. The course prepares students for the AP English Language and Composition Exam.



Rhetorical Analysis

Examine how writers craft arguments using evidence and style



Argumentation

Build and defend evidence-based written arguments



Source Synthesis

Integrate multiple sources through research and revision

AP English Literature and Composition

AP English Literature and Composition develops advanced skills in reading, interpreting, and analyzing literary works. Students study fiction, poetry, and drama from a range of periods and examine how elements such as character, setting, structure, perspective, and figurative language contribute to meaning while developing evidence-based literary arguments. The course prepares students for the AP English Literature and Composition Exam.

Fiction

Novels and short stories across periods

Poetry

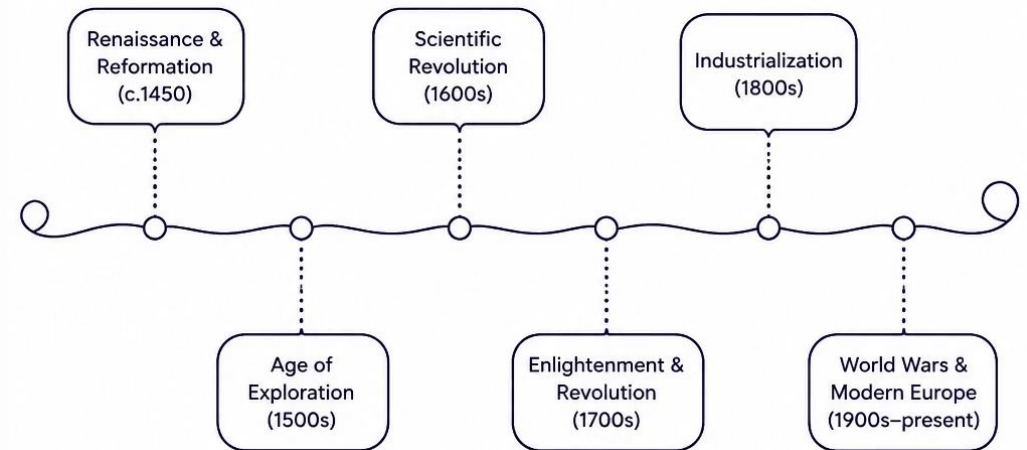
Form, voice, and figurative language

Drama

Structure, character, and perspective

AP European History

AP European History examines major political, economic, social, cultural, intellectual, and technological developments in Europe from approximately 1450 to the present. Students analyze primary and secondary sources, examine historical change and continuity, make comparisons across periods, and construct evidence-based historical arguments. The course prepares students for the AP European History Exam.



AP Physics 1: Algebra-Based

AP Physics 1 is an introductory college-level physics course that explores motion, forces, energy, momentum, rotational dynamics, oscillations, and fluids. Students develop skills in mathematical modeling, experimental investigation, data analysis, and scientific reasoning while applying physics principles to a variety of physical situations. The course prepares students for the AP Physics 1 Exam.

1

Motion & Forces

Kinematics and Newton's laws

2

Energy & Momentum

Conservation principles

3

Rotational Dynamics

Torque and angular motion

4

Oscillations & Fluids

Waves and fluid behavior

AP Psychology

AP Psychology introduces students to the scientific study of behavior and mental processes. Students explore biological influences, cognition, development and learning, social psychology, personality, and mental and physical health while developing skills in research methods, data interpretation, and evidence-based reasoning. The course prepares students for the AP Psychology Exam.

Biological Influences
& Cognition

Development &
Learning

Social Psychology &
Personality

Mental & Physical
Health

AP Spanish Language and Culture

AP Spanish Language and Culture develops advanced proficiency in reading, writing, listening, and speaking through the study of authentic materials from the Spanish-speaking world. Students examine cultural perspectives and contemporary issues while strengthening interpretive, interpersonal, and presentational communication skills. The course prepares students for the AP Spanish Language and Culture Exam.

Interpretive

Reading and listening comprehension
of authentic texts

Interpersonal

Conversational exchange and cultural
dialogue

Presentational

Writing and speaking for varied
audiences

AP Statistics

AP Statistics introduces students to the principles and methods used to collect, analyze, interpret, and draw conclusions from data. Topics include data distributions, study design, probability, random variables, sampling, and statistical inference, with an emphasis on applying statistical reasoning to real-world situations. The course prepares students for the AP Statistics Exam.

AP United States History

AP United States History examines the political, economic, social, and cultural development of the United States from approximately 1491 to the present. Students analyze primary and secondary sources, evaluate historical evidence, identify connections across time periods, and construct evidence-based historical arguments. The course prepares students for the AP United States History Exam.



Political & Economic Development

From colonial foundations to modern governance and economic systems



Social & Cultural Change

Movements, identities, and transformations across American history



Historical Argumentation

Source analysis, evidence evaluation, and cross-period connections

AP United States Government and Politics

This course examines the U.S. political system. Students in this course will discuss political ideology, the development of the political system, and democratic institutions. Students should, according to the College Board, gain an "analytical perspective on government and politics in the United States." Furthermore, students will study "both the general concepts used to interpret U.S. politics and the analysis of specific examples" throughout history. The class discussion will require that students acquire a "familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics." The main emphasis of the course, however, is to be able to apply a basic comprehension of the U.S. political system to contemporary events.

Political Ideology

Exploring the spectrum of beliefs and values that shape U.S. politics

Democratic Institutions

Analyzing the structure and function of government bodies

Contemporary Application

Connecting political theory to current events and real-world issues

AP World History: Modern

AP World History: Modern examines major global developments from approximately 1200 CE to the present. Students explore changes in governance, economic systems, cultures, societies, technology, and interactions among world regions while developing skills in source analysis, historical comparison, contextualization, and argumentation. The course prepares students for the AP World History: Modern Exam.

Governance

Economic Systems

Culture & Society

Global Interactions