



AP Precalculus Curriculum

Board Approved: 02/19/2026

Course Information

High School Full Year

Course Description:

AP[®] Precalculus is a rigorous, college-level course designed for students who plan to pursue a college degree requiring advanced mathematics. It deeply explores various functions (polynomial, rational, exponential, logarithmic, and trigonometric) emphasizing their use in modeling real-world phenomena and understanding how quantities change together. The course develops essential mathematical practices such as procedural fluency, interpreting multiple representations, and clear communication, preparing students for subsequent college mathematics (including calculus) and science courses. Graphing calculators are integrated for exploration, though foundational skills are also emphasized. Successful completion of the optional AP Exam can lead to college credit.

Transfer Goals:

- Problem-solving skills: Learn to understand and solve problems effectively.
- Logical and numerical thinking: Apply reasoning and math skills to solve different situations.
- Constructing arguments and critiquing: Build strong arguments and evaluate others' reasoning.
- Using math in real-life situations: Apply mathematical concepts to solve practical problems.
- Strategic thinking and attention to detail: Use the right tools and techniques with precision to solve problems efficiently.

Curriculum Standards: [AP Precalculus Course and Exam Description](#)

Curriculum Resource(s): *Precalculus for AP, 2026, Cengage Learning Inc.*

priority standards indicated in **bold*

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Patrons with questions about the course should contact curriculum@fhsdschools.org