CFISD AP Precalculus Scope and Sequence

(2025–2026)

Course Description

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology, specifically the graphing calculator, to build understanding, make connections between representations, and provide support in solving problems.

Texas Essential Knowledge and Skills: Precalculus

College Board Course Description: AP Precalculus

First Semester (81 Days)

1st Grading Period

Unit	Start Date	End Date
Introduction to Trigonometry	Aug. 13, 2025	Aug. 26, 2025
Graphing Trig Functions	Aug. 27, 2025	Sep. 18, 2025
Trig Inverses, Identities, and Equations	Sep. 19, 2025	Oct. 9, 2025

2nd Grading Period

Unit	Start Date	End Date
Trig Inverses, Identities, and Equations	Oct. 15, 2025	Oct. 17, 2025
Triangle Trig and Vectors	Oct. 20, 2025	Nov. 6, 2025
*Polar Equations	Nov. 7, 2025	Dec. 18, 2025

Last updated: May 15, 2025

Second Semester (92 Days)

3rd Grading Period

Unit	Start Date	End Date
Functions (General)	Jan. 6, 2026	Jan. 20, 2026
Composition and Inverses	Jan. 21, 2026	Feb. 3, 2026
Polynomials	Feb. 4, 2026	Feb. 19, 2026
Rational Functions	Feb. 20, 2026	Mar. 5, 2026
Exponential and Logarithmic Functions	Mar. 6, 2026	Mar. 6, 2026

4th Grading Period

Unit	Start Date	End Date
Exponential and Logarithmic Functions	Mar. 16, 2026	Mar. 26, 2026
Sequences and Series	Mar. 27, 2026	Apr. 10, 2026
Parametric Equations and Conic Sections	Apr. 13, 2026	Apr. 24, 2026
*** AP Review	Apr. 27, 2026	May 8, 2026
*Matrices	May 11, 2026	May 28, 2026

Notes

* Includes time for Final Exams.

**The length of each unit is a specific number of days, but it is understood that there is a range of +/- a day. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accommodate re-teaching or review when necessary. If pre-assessment indicates student mastery could be obtained in a fewer number of days, the additional time could be used for extension or carried into the next unit.

***At the time of publication of this document, the exact date of the AP Calculus Exam had not yet been released by the College Board. The AP Review unit is scheduled to end at the beginning of the expected AP Exam window. The actual number of AP Review days will be adjusted appropriately by the instructor upon publication of the actual exam date.

Instructional Materials

Texas Precalculus - McGraw-Hill

Last updated: May 15, 2025