CFISD Calculus BC Scope and Sequence (2025–2026)

Course Description

The courses follow the BC outline prescribed by the College Board and, as such, the Calculus AP test given in May for college placement is encouraged. Limits of functions, continuity, and derivatives are studied in detail. Both indefinite and definite integrals are explored, with applications to area and volume. The antiderivative, sequences and series, and differential equations are also included along with analytic geometry. The student will study the line, vectors in a plane, the circle, conics, relations, functions and their graphs, the intersections of loci, non-linear inequalities in the plane, parametric equations, polar coordinated, and solid analytic geometry. Computers and graphing calculators will be used extensively.

College Board Course Description: [Calculus BC](#)

First Semester (81 Days)

1st Grading Period

Unit	Start Date	End Date
Limits and Continuity	Aug. 13, 2025	Sep. 4, 2025
Differentiation: Definition and Basic Derivative Rules	Sep. 5, 2025	Sep. 19, 2025
Differentiation: Composite, Implicit, and Inverse Functions	Sep. 22, 2025	Oct. 2, 2025
Contextual Applications of Differentiation	Oct. 3, 2025	Oct. 9, 2025

2nd Grading Period

Unit	Start Date	End Date
Contextual Applications of Differentiation	Oct. 15, 2025	Oct. 16, 2025
Analytical Applications of Differentiation	Oct. 17, 2025	Oct. 31, 2025
*Integration and Accumulation of Change	Nov. 5, 2025	Dec. 18, 2025

Second Semester (92 Days)

3rd Grading Period

Unit	Start Date	End Date
Differential Equations	Jan. 6, 2026	Jan. 21, 2026
Applications of Integration	Jan. 22, 2026	Feb. 11, 2026
Parametric Equations, Polar Coordinates, and Vector-Valued Functions	Feb. 12, 2026	Mar. 4, 2026
Infinite Sequences and Series	Mar. 5, 2026	Mar. 6, 2026

4th Grading Period

Unit	Start Date	End Date
Infinite Sequences and Series	Mar. 16, 2026	Apr. 9, 2026
***AP Review	Apr. 10, 2026	May 1, 2026
*Post AP Exam Content, TEKS Test, Final Exam	May 4, 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

 Demana, Calculus: Graphical, Numerical, Algebraic 6th Edition for Advanced Placement, Savvas