



Course Name: AP Calculus AB
School Year: 2021-2022

Course Purpose and Relevance:

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions

Overview of Student Outcomes:

For complete list of topics covered in course, view the [AP Calculus AB and BC Course and Exam Description](#).

Available Support for Student Learning:

Refer to the teacher's Course Syllabus for resources and course specific opportunities. The adopted textbook for AP Calculus AB is Briggs, Cochran, & Gillett, Calculus AP Edition, 4th ed., Pearson, 1st Edition. Student textbook and/or digital version are available through the CCISD Student Portal.

Links to Course Information at College Board website:

[AP Calculus AB Course Overview](#)

CCISD AP Calculus AB Curriculum Unit Sequence**

Unit 1: Families of Functions

Unit 2: Limits and Continuity

Unit 3: Derivatives

Unit 4: Applications of Derivatives

Unit 5: Integrals

Unit 6: Application of Integrals

**AP Calculus AB teachers may present the course content in a different sequence than the CCISD AP Calculus AB Curriculum. AP teachers must submit their syllabi to the College Board for approval prior to teaching the course. Refer to the teacher's syllabus for details and sequence of course content as well as other information about the course.