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

Course Purpose and Relevance:
AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. 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 BC Course Overview

CCISD AP Calculus AB Curriculum Unit Sequence**

 Unit 1: Limits

 Unit 2: Derivatives

 Unit 3: Integrals

 Unit 4: Sequences and Series

**AP Calculus BC teachers may present the course content in a different sequence than the CCISD AP Calculus BC 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.