

NPSD Middle & High School Curriculum

Department: Mathematics

Course: Calculus AB

Promise Standards

- Students will be able to find the limits of functions graphically and analytically and then deduce and interpret the behavior of the function based on their findings.
- Students will be able to find intervals of continuity through the investigations of functions analytically and graphically.
- Students will be able to recognize and apply the different derivative strategies.
- Students will be able to apply derivatives through an assortment of problems, situations, and modeling.
- Students will be able to interpret and apply derivatives to describe and analyze functions.
- Students will be able to recognize and apply antidifferentiation in multiple contexts.
- Students will be able to define and describe a definite integral and its properties.
- Students will be able to describe and apply the Fundamental Theorem of Calculus.
- Students will be able to apply definite integrals through an assortment of problems, situations, and modeling.