

NPSPD Middle & High School Curriculum

Department: Mathematics

Course: Calculus BC

Promise Standards

- Students will be able to apply derivatives through an assortment of problems, situations, and modeling.
- Students will be able to model and apply differential equations.
- Students will be able to evaluate integrals through an assortment of problems, situations, and modeling.
- Students will be able to evaluate integrals through an assortment of polar, parametric, and vector problems, situations, and models.
- Students will be able to determine if a series converges or diverges by applying the different series tests.
- Students will be able to describe the characteristics of a power series.
- Students will be able to define, write, and use Taylor and Maclaurin Polynomials.