

- PS 1 Students will demonstrate a complete understanding of functions families (linear, absolute value, polynomial, radical, rational, trigonometric, exponential, and logarithmic), apply these functions to various contexts, and solve equations involving these functions. [AP Calculus BC, College Board](#)
- PS 2 **Limits:** Students will express and interpret limits symbolically, estimate and evaluate limits, and analyze functions for intervals of continuity or points of discontinuity. [AP Calculus BC, College Board](#)
- PS 3 **Derivatives:** Students will identify the derivative of a function as the limit of a difference quotient, estimate and calculate derivatives including higher order derivatives, analyze functions by using derivatives, and apply the meaning of the derivative in many contexts. [AP Calculus BC, College Board](#)
- PS 4 **Integrals:** Students will find antiderivatives of functions, interpret and express the definite integral as the limit of a Riemann sum, approximate and evaluate definite integrals, apply the Fundamental Theorem of Calculus, and interpret and apply the definite integral of functions in various contexts. [AP Calculus BC, College Board](#)
- PS 5 **Series:** Students will determine whether a series converges or diverges, determine or estimate the sum of a series, construct and use Taylor polynomials, and determine the interval of convergence. [AP Calculus BC, College Board](#)