Advanced Algebra

Grade Levels: 11-12 All Year - 1 Credit

Advanced Algebra is a continuation of Intermediate Algebra. Students will build on their knowledge of linear, quadratic, and exponential functions, and will study new functions including polynomial, rational, and logarithmic functions. Students will work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations and inequalities, including solving quadratic equations over the set of complex numbers and solving exponential equations using logarithms. In addition, students engage in rigorous academic activities in preparation for college entrance exams and field applications. This course meets entrance requirements for university admission and prepares students for Trigonometry/College Algebra and Pre- Calculus.

Background Knowledge Needed from: Geometry, Intermediate Algebra