## Algebra 2

The course focus on advanced algebra topics that are not covered by Algebra 1, such as systems of equations and inequalities, matrices, quadratic functions, polynomial functions, exponential and logarithm relations etc. . The one year course will cover materials covered in one full year in a full time school. Only the hardest working students are invited.

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Chapter 1 - First Degree Equations and Inequalities

Chapter 2 - Linear Relations and Functions

Chapter 3 - Systems of Equations and Inequalities

Chapter 4 - Matrices

Chapter 5 - Polynomials

Chapter 6 - Quadratic Functions and Inequalities

Chapter 7 - Polynomial Functions

Chapter 8 - Conic Sections

Chapter 9 - Rational Expressions and Equations

Chapter 10 - Exponential and Logarithmic Relations

Chapter 11 - Sequences and Series

Chapter 12 - Probability and Statistics

Chapter 13 - Trigonometric Functions

Chapter 14 - Trigonometric Graphs and Identities