

# Algebra II

**Course Overview:** Algebra II applies and extends what students have learned in Algebra I and Geometry, by focusing on finding connections between multiple representations of linear, exponential, quadratic, rational, and cubic functions. Students explore transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. On a daily basis, students will use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating arguments to justify their thinking. The course is balanced among procedural fluency (algorithms and basic skills), deep conceptual understanding, problem solving, and adaptive reasoning (extension and application). This course meets NCAA eligibility requirements. A graphing calculator is recommended for students enrolled in Algebra II.

## **Textbook:**

CPM <https://cpm.org/cca2>

## **Assessments:**

CPM Assessments and Teacher Generated Assessments.

CLICK HERE Algebra II [Standards and Learning Goals](#)