

Honors Algebra II

Course	Dates	Schedule	Instructor
Algebra II	8/24 - 8/28	Mon., Wed., Fri. 10:30 AM – 12:00 PM	Ms. Jane Ren
Algebra II	10/4/2026 - 5/30/2027	Sunday 10:30 AM – 12:00 PM	Ms. Jane Ren
Off	10/11/2026 12/27/2026 1/3/2027 2/7/2027		
Assessment test	12/6/2026 2/14/2027 4/11/2027 5/16/2027	Sunday 10:30 AM – 12:00 PM	

Course Description

This intensive Algebra 2 course is designed to prepare the student for success in an Algebra 2 class in the upcoming academic year. The class is both rigorous and fast-paced. The goal is to prepare the student in depth for topics that are typically covered in the first half of the school year and to introduce the student to additional topics from the second half of the year as time permits. Classes will consist of a mix of lecture and hands-on practice. Completion of homework assignments outside of class is expected. On-going progress will be assessed through tests and quizzes. Topics covered include:

Linear Functions

Quadratic Functions

Quadratic Equations and Complex Numbers

Polynomial Functions

Rational Exponents and Radical Functions

Exponential and Logarithmic Functions

Rational Functions

Sequences and Series

Trigonometric Ratios and Functions

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Teacher Profile

Ms. Ren

Mathematics



Ms. Jane Ren holds a PhD in Theoretical Physics and brings extensive experience in high school–level physics and mathematics education. She specializes in identifying students' individual weaknesses and providing targeted support to address them effectively. Her teaching emphasizes simplifying complex concepts, building visual and intuitive understanding, and developing rigorous logical thinking. Jane helps students master efficient problem solving strategies and cultivate strong study habits in a relaxed and encouraging learning environment. We have received many positive feedback for Ms. Ren for her ability of improving students' progress in school performance effectively, e.g. from B to A in a short term.