



<b>Course Name</b>	Algebra II
<b>Teacher</b>	Zi Ping Lin
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<b>Duration</b>	2 hours a week, 2 semesters
<b>Students</b>	8 <sup>th</sup> -10 <sup>th</sup> grade
<b>Pre-requisites</b>	Algebra I, Geometry
<b>Prepare for</b>	CBE (Credit By Exam), Pre-Calculus, SAT Math
<b>Description</b>	Taking Algebra II and Algebra I is a way to get Passport to Advanced Math in SAT Math. This course will progressively and systematically teach student some of the more difficult and advanced concepts in Algebra. The class will use a software to help student visualizing some of the concepts and building solid foundation for Pre-Calculus and eventually Calculus.
<b>Contents</b>	<ul style="list-style-type: none"><li>• Equations and Inequalities</li><li>• Linear Relations and Functions</li><li>• Systems of Equations and Inequalities</li><li>• Matrices</li><li>• Quadratic Functions and Inequalities</li><li>• Polynomial Functions</li><li>• Radical Equations and Inequalities</li><li>• Rational Expressions and Equations</li><li>• Exponential and Logarithmic Relations</li><li>• Conic Sections</li><li>• Sequences and Series</li><li>• Probability and Statistics</li></ul>



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华夏数学系列课程