



Course Name	Pre-Algebra
Teacher	Zi Ping Lin
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Duration	1.5 hours a week, 2 semesters
Students	6 th -8 th grade
Pre-requisites	6 th Grade Math
Prepare for	CBE (Credit By Exam), Algebra I and Geometry
Description	<p>This course formally introduces students to the language of algebra. It teaches students how to translate word phrases and sentences into mathematical Expressions, Equations, and Inequalities using Variables and how to solve Simple Linear Equations and Inequalities.</p> <p>It reinforces the fundamental math topics that students have learnt in previous years, such as absolute value, operations with positive and negative numbers, percentages, ratios, and proportions plus some more advanced topics such as Exponents, GCF and LCM.</p> <p>It also includes a wide range of basic topics in Geometry, Data Analysis, Statistics and Probabilities.</p>
Contents	<ul style="list-style-type: none">• Absolute Value and Operations with Positive and Negative Integers• Equations• Factors and Fractions• Rational Numbers• Ratio, Proportion, and Percent• Functions and Graphing• Simple Equations and Inequalities• Real Numbers and Right Triangles• Two-Dimensional Figures• Three-Dimensional Figures• Polynomials and Nonlinear Functions