

Xilin Northwest Chinese School

教师备课

Class Name MTH_008_A Algebra 1 level 2 Teacher Name Shiyong Ning (Ph.D.)

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教学内容	<p>Teaching Algebra 1 chapter 8 to Chapter 11 in Fall semester.</p> <p>Plan to teach following Contents:</p> <ul style="list-style-type: none">• Simplifying Rational Expressions;• Multiplying and Dividing Rational Expressions• Adding and Subtracting Rational Expressions• Dividing Polynomials• Complex Rational Expressions• Solving Rational Equations;• Ratios and Proportions;• Literal Equations;• Problem Solving: Motion Problems, Work Problems, and Dimensional Analysis;• Relations, Functions, and Variations;• Coordinates of Points in a Plane;• Values of a Function;• Equations with Two Variables;• Graphing Linear Equations;• Direct Variation;• Inverse Variation;• Slope of a Line;• Equation of a Line: Point-Slope Form, Slope-Intercept Form;• Line Relationships;• Graphing Linear Inequalities.
教学目标	<p>Purpose of this course: To increase interest in Mathematics and strengthen the mathematical capabilities of our students. To teach problem solving techniques which is more challenged than that at the SAT I level. Students are expected to obtain good scores in their Mathcounts and American Mathematics Contests after taking this course.</p>
教学设计	<p>Teaching students to resolve problems in the textbook Give homework to students to practice after every class and the homework should be returned at the beginning of next class.</p>
教具准备	<p>Textbook: ALGEBRA 1 Publisher: Holt, Rinehart and Winston, Inc., 1992 Authors: Eugene D. Nichols, Mervine L. Edwards, etc. ISBN# :0030054192</p>