

# Newton Chinese Language School

## 新加坡数学八年级 Singapore Math Grade 8

<b>Course Name</b>	新加坡数学八年级 Singapore Math Grade 8
<b>Class Name</b>	新加坡数学八年级 1, 3, 4, 班 <b>Singapore Math Grade 8-1, 8-3, 8-4</b>
<b>Course Length</b>	1 year (32 sessions of 80 minutes each)
<b>Pre-requisite</b>	Completed Singapore Math Grade 7 or Equivalent
<b>Text Book</b>	Singapore Math: Dimensions Textbook 8A & 8B
<b>Work Book</b>	Singapore Math: Dimensions Workbook 8A & 8B

### Contents

#### 8A

- 1 Exponents and Scientific Notation
- 2 Linear Equations in Two Variables
- 3 Expansion and Factorization of Algebraic Expressions
- 4 Quadratic Factorization and Equations
- 5 Simple Algebraic Fractions
- 6 Congruence and Similarity
- 7 Parallel Line and Angles in Triangles and Polygons

#### 8B

- 8 Graphs of Linear and Quadratic Functions
- 9 Graphs in Practical Situations
- 10 Pythagorean Theorem
- 11 Coordinate Geometry
- 12 Mensuration of Pyramids, Cylinders, Cones and Spheres
- 13 Data Analysis
- 14 More About Quadric Equations