

**STANHOPE PUBLIC SCHOOL
VALLEY ROAD SCHOOL
2011 – 2012**

Math topics to be covered

Grade 6	Grade 7	Grade 8
Problem Solving Together	Exploring Patterns	Connections to Algebra
Number Relationships and Fractions	Investigations in Algebra	Properties of Real Numbers
Algebra and Integers	Modeling Integers	Solving Linear Equations
Algebra: Using Integers	Exploring the Language of Algebra	Graphing Linear Equations and Functions
Algebra: Functions and Equations	Exploring Data and Graphs	Writing Linear Equations
Data Analysis and Statistics	Exploring Data and Polynomials	Solving and Graphing Linear Equations
Ratios and Proportions	Exploring Number Theory	Systems of Linear Equations and Inequalities
Percents and Decimals	Rational Numbers and Percents	Exponents and Exponential Functions
Geometry in the Plane	Proportion, Percents, and Probability	Quadratic Equations and Functions
Geometry in Space	Real Numbers and Inequalities	Polynomials and Factoring
Probability and Discrete Math	Geometry Concepts and Spatial Thinking	Rational Equations and Functions
	Congruence, Similarity, and Transformations	Radicals and Connections to Geometry
	Measurements in Geometry	
	Exploring Linear Equations	