



STAFFORD MUNICIPAL SCHOOL DISTRICT

Year at a Glance

SMSD 6th Grade Math

Course Description:

At-a-Glance

The primary focal areas in Grade 6 are number and operations; proportionality; expressions, equations, and relationships; and measurement and data. Students use concepts, algorithms, and properties of rational numbers to explore mathematical relationships and to describe increasingly complex situations. Students use concepts of proportionality to explore, develop, and communicate mathematical relationships. Students use algebraic thinking to describe how a change in one quantity in a relationship results in a change in the other. Students connect verbal, numeric, graphic, and symbolic representations of relationships, including equations and inequalities. Students use geometric properties and relationships, as well as spatial reasoning, to model and analyze situations and solve problems. Students communicate information about geometric figures or situations by quantifying attributes, generalize procedures from measurement experiences, and use the procedures to solve problems. Students use appropriate statistics, representations of data, and reasoning to draw conclusions, evaluate arguments, and make recommendations. While the use of all types of technology is important, the emphasis on algebra readiness skills necessitates the implementation of graphing technology.

Grading Periods	Unit Names
Grading Period 1	<i>Equivalent forms of fractions, decimals and percents</i> <i>Ordering fractions, decimals and integers</i> <i>Operations with positive fractions and decimals</i>
Grading Period 2	<i>Operations with integers</i> <i>Proportional reasoning with ratios and rates</i>
Grading Period 3	<i>Equivalent expressions and one-variable equations</i> <i>One variable inequalities</i>
Grading Period 4	<i>Algebraic representation for two variable relationships</i> <i>Geometry and measurement</i>



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Grading Period 5	<i>Data analysis</i> <i>Personal financial literacy</i>
Grading Period 6	<i>Essential understanding of equations</i>

