

6th Grade Math with Mrs. Stalnaker

Grades will be earned for daily assignments, class notes, I-Ready assignments, quizzes, tests, and projects.

I look forward to a year filled with learning in the 6th grade. If you have questions or concerns please feel free to contact me at stalnakerr@rcschool.net.

UNIT	STANDARDS
<p>Decimal Operations</p> <p>In this unit, students will add, subtract, multiply, and divide decimals fluently.</p>	<p>6.NS.2, 6.NS.3</p>
<p>Fraction Operations</p> <p>In this unit, students will find the greatest common factor, determine the least common multiple, interpret quotients of fractions, use visual fraction models, and apply division of fractions to real-world situations.</p>	<p>6.NS.1, 6.NS.4</p>
<p>The Number System</p> <p>In this unit, students will represent quantities in real-world contexts using positive and negative numbers. Students will also order rational numbers, locate rational numbers on a number line, and understand the absolute value of a rational number as its distance from zero on a number line.</p>	<p>6.NS.5, 6.NS.6, 6.NS.6a, 6.NS.6c, 6.NS.7, 6.NS.7a, 6.NS.7b, 6.NS.7c, 6.NS.7d</p>
<p>Ratios</p> <p>In this unit, students will describe the relationship between two quantities, represent ratios with tables, graphs, and proportions, and solve real-world problems using ratio reasoning.</p>	<p>6.RP.1, 6.RP.3, 6.RP.3a</p>

<p style="text-align: center;">Rates and Percents</p> <p>In this unit, students will represent unit rates as a ratio, solve problems involving unit rates, represent percentages as a rate per 100, and convert units within a measurement system. Students will also use tables, tape diagrams, and equations to solve problems involving percents.</p>	<p style="text-align: center;">6.RP.2, 6.RP.3, 6.RP.3b, 6.RP.3d, 6.RP.3d</p>
<p style="text-align: center;">Coordinate Plane</p> <p>In this unit, students will extend number lines to represent the coordinate plane and graph ordered pairs (including rational number ordered pairs) in all four quadrants. Students will also recognize opposite signs of numbers as indicating locations on opposite sides of the number line.</p>	<p style="text-align: center;">6.G.3, 6.NS.6, 6.NS.6a, 6.NS.6b, 6.NS.6c, 6.NS.8</p>
<p style="text-align: center;">Expressions</p> <p>In this unit, students will evaluate numerical expressions and determine if two expressions are equivalent. Students will also generate equivalent expressions using properties of operations and order of operations.</p>	<p style="text-align: center;">6.EE.1, 6.EE.2, 6.EE.2a, 6.EE.2b, 6.EE.2c, 6.EE.3, 6.EE.4</p>
<p style="text-align: center;">Equations and Inequalities</p> <p>In this unit, students will write and solve one-step equations and inequalities. Students will also represent solutions on the number line and determine if a value is part of the solution set.</p>	<p style="text-align: center;">6.EE.5, 6.EE.6, 6.EE.7, 6.EE.8, 6.EE.9</p>

<p style="text-align: center;">Geometry</p> <p>In this unit, students will solve problems involving the area of rectangles, parallelograms, trapezoids, and triangles. Students will also use nets to determine surface area and find the volume of a right rectangular prism with fractional edge lengths.</p>	<p style="text-align: center;">6.G.1, 6.G.2, 6.G.4</p>
<p style="text-align: center;">Data and Statistics</p> <p>In this unit, students will represent and interpret numerical data in dot plots, histograms, and box plots. Students will also recognize statistical questions and summarize numerical data with measures of center and spread.</p>	<p style="text-align: center;">6.SP.1, 6.SP.2, 6.SP.3, 6.SP.4, 6.SP.5, 6.SP.5a, 6.SP.5b, 6.SP.5c, 6.SP.5d</p>
<p style="text-align: center;">Test Prep and Review</p> <p>This unit serves as a complete review of the 6th grade standards divided into 10 topics with each including a warm-up, a cheat sheet, an activity and a quick check.</p>	<p style="text-align: center;">6.NS.1-8, 6.RP.1-3, 6.EE.1-9, 6.G.1-4, 6.SP.1-5</p>