

## General Course Information

<b>Course Name: Math 6</b>	
Department: Math	Grade Level(s): 6
Duration/Credits: 1 year	Prerequisites: None
BOE Approval Date: December 2022	Course Code:
<b>Course Description:</b>	
Math 6 is designed to promote active problem solving and the ability to make mathematical connections to everyday life. This will occur through the use of hands-on activities, technology, and real-world exploration. Concepts covered will include numbers and operations, algebraic thinking, fractions, geometry, measurement, and statistics.	
<b>Course Rationale:</b>	
In order to prepare middle school students for future endeavors, students will problem solve and understand mathematically through deep thinking with math tasks and meaningful discourse. Students will use hands-on learning and be able to see math as applicable and relevant to their lives.	
<b>Course Objectives:</b>	
<ol style="list-style-type: none"><li>1. The student will understand and generate algebraic expressions and equations using variables.</li><li>2. The student will be able to distinguish between independent and dependent variables in real world contexts.</li><li>3. The student will demonstrate their knowledge of rational numbers by plotting points on a coordinate plane.</li><li>4. The student will create equivalent forms of rational numbers.</li><li>5. The student will interpret and solve real world problems involving ratios, rates and percentages.</li><li>6. The student will interpret statistical measures to analyze the shape of data distributions.</li></ol>	
<b>Standards Alignment:</b>	
List standard set(s) to which course has been aligned: <a href="#">Missouri Learning Standards</a>	