



## 7<sup>th</sup> Grade Math

**Mrs. Mathias**

**Materials:** Each student should bring the following items to class every day: a spiral notebook, Math workbook, and pencil.

**Text:** McGraw Hill: Glencoe Math: Course 2; Volume 1 & 2

**Online Resources:** [I-Ready](#), [IXL](#), [Kahn Academy](#), [Achieve 3000](#), [Teacher.Desmos.com](#)

**Focus:** Reasoning abstractly, quantitatively, and appropriately to make real-world applications in problem solving.

Semester 1 (August- January)	Semester 2 (February-June)
<ol style="list-style-type: none"><li>Unit 1: Ratios and Proportional Relationships<ul style="list-style-type: none"><li>Analyze proportional relationships and use them to solve real-world and mathematical problems.</li></ul></li><li>Unit 2: The Number System<ul style="list-style-type: none"><li>Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.</li></ul></li><li>Unit 3: Expressions and Equations<ul style="list-style-type: none"><li>Use properties of operations to generate equivalent expressions.</li><li>Solve real-life mathematical problems using numerical and algebraic expressions and equations.</li></ul></li></ol>	<ol style="list-style-type: none"><li>Unit 4: Geometry<ul style="list-style-type: none"><li>Draw, construct, and describe geometrical figures and describe the relationships between them.</li><li>Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.</li></ul></li><li>Unit 5: Statistics and Probability.<ul style="list-style-type: none"><li>Use random sampling to draw inferences about a population.</li><li>Draw informal comparative inferences about two populations.</li></ul></li></ol>