

6th 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 1; 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">Unit 1: Ratios and Proportional Relationships<ul style="list-style-type: none">Understand ratio concepts and use ratio reasoning to solve problems.Unit 2: The Number System<ul style="list-style-type: none">Apply and extend previous understandings of multiplication and division to divide fractions by fractions.Compute fluency with multi-digit numbers and find common factors and multiples.Apply and extend previous understandings of numbers to the system of rational numbers.	<ol style="list-style-type: none">Unit 3: Expressions and Equations<ul style="list-style-type: none">Apply and extend previous understandings of arithmetic to algebraic expressions.Reason about and solve one-variable equations and inequalities.Represent and analyze quantitative relationships between dependent and independent variables.Unit 4: Geometry<ul style="list-style-type: none">Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.Unit 5: Statistics and Probability.<ul style="list-style-type: none">Develop understanding of statistical variability.Summarize and describe distributions.