

## 2018-2019 6th Grade Math Intervention Class Syllabus



### Course Description:

This Math Intervention course is designed to front load and teach students a key concept or two, that is a couple of days or a week ahead of their actual 6th grade mathematics class. Students will be taught certain concepts in order to help them gain more academic confidence in these 4 major areas: ratio and rate reasoning involving whole number multiplication and division to solve problems, complete a deep understanding of fraction division, and widen the understanding of "number" as how it pertains to the set of rational numbers, interpreting and writing expressions and equations, and use statistical thinking when examining data, and understand concluding results. While students are still learning at a 6th grade level, they will also be given small assessments that still help build their basic skills related to addition and subtraction and multiplication and division of whole and rational numbers.

### Contact Information:

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### Course Materials Required:

- Fully Charged Chromebook
- Dry Erase Markers
- Math Intervention Folder

### Online Resources:

- Khan academy
- Quizlet
- TenMarks
- XP Math
- IXL.com
- Learnzillion
- Canvas

### Course Outline

Unit	Learning Targets
1 - Number Systems	<ul style="list-style-type: none"><li>● Decimals Operations</li><li>● Dividing Fractions</li><li>● Distributive Property</li></ul>
2 - Number Systems Part 2	<ul style="list-style-type: none"><li>● Rational Numbers</li><li>● Plotting on Number Lines</li><li>● Coordinate Plane</li><li>● Reflections</li></ul>

3 - Expressions	<ul style="list-style-type: none"> <li>● Word Expressions</li> <li>● Combining Like Terms</li> <li>● Distributive property</li> <li>● Order of Operations</li> <li>● Evaluating Expressions</li> </ul>
4 - Equations	<ul style="list-style-type: none"> <li>● One Step Equations w/ whole numbers and fractions</li> <li>● Word Problems</li> <li>● Inequalities</li> </ul>
5 - Ratios	<ul style="list-style-type: none"> <li>● Intro to Ratios and Equivalent Ratios</li> <li>● Graphing Ratios</li> <li>● Percents-Double Number Lines</li> <li>● Tape Diagrams</li> <li>● Unit Rate</li> </ul>
6 - Geometry	<ul style="list-style-type: none"> <li>● Recognizing the Base and Height in Parallelograms and Triangles</li> <li>● Area on Coordinate Plane of Triangles and Parallelograms</li> <li>● Area of Trapezoids</li> <li>● Area of Composite Figures</li> <li>● Surface Area and Nets</li> <li>● Volume - with Fractional Edges</li> </ul>
7 - Statistics	<ul style="list-style-type: none"> <li>● Statistical Questions</li> <li>● Central Tendencies</li> <li>● Mean Absolute Deviation</li> <li>● Shape of Distribution</li> </ul>

**Grading Procedures:**

Points and a grade will be given to each student at the end of the week. After a concept is taught, students are expected to answer questions on their own to show if they reached the learning target for that week.

Points may even be given based on class participation and bellwork, certain days.

**Grades will be determined by points given in class.**

**I realize that teaching your child is a privilege as well as a tremendous responsibility. I will do my best to ensure that each student has a motivating and safe learning environment in the classroom. I am looking forward to a wonderful and exciting year!**