Course Description:
This Math Intervention course is designed to front load and teach students a key concept or two, that is a couple days to a week ahead of their actual 7th grade mathematics class. Students will be taught certain concepts in order to help them gain more academic confidence in their current math class over the course of the year. These topics are developing understanding of and applying proportional relationships; developing understanding of operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and drawing inferences about populations based on samples.

Contact Information:
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Course Materials Required:
- Fully Charged Chromebook
- Dry Erase Markers
- Pencil
- Math Intervention Folder

Online Resources:
Khan academy
Quizlet
TenMarks
XP Math
IXL.com
Learnzillion
Canvas

Course Outline:

Unit	Learning Targets
Ratios and Proportions	-Use proportional relationships to solve real-world problems ● Comparing proportions ● Unit Rates with whole and rational numbers
Percent Application	-Fraction to Decimal to Percent Conversions

	-Simple Interest and Tax -Percent increase and percent decrease

Adding and Subtracting Rational Numbers	-Adding and subtracting rational numbers
	    ● Number Lines
	    ● Chips

Multiplying and Dividing Rational Numbers	-Multiplying and dividing rational numbers -Order of Operations -Converting Fractions to Decimals
Expressions	-Combining Like Terms -Use properties of operations to generate equivalent expressions -Solve real-life and mathematical problems using numerical and algebraic expressions
Equations	-Multi-Step Equations -Solve real-life and mathematical problems using numerical and algebraic equations -2-Step Inequalities and Word Problems
Geometry	-Angle Relationships: Draw construct, and describe geometrical figures, and describe the relationship between them -Solving Equations with Angle Relationships -Solve real-life and mathematical problems involving angle measure, area, surface area, and volume
Statistics	-Use random sampling to draw inferences about a population -Draw informal comparative inferences about two populations
Probability	-Investigate chance processes and develop, use, and evaluate probability models

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.

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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!#

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