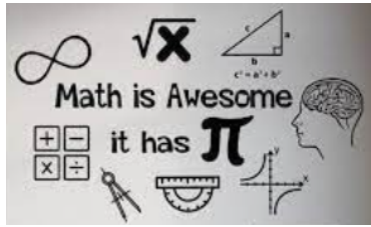


IRWL Math 6

Mrs. Christine Noviello Sullivan, M.Ed

Welcome to IRWL Math 6!



Course Overview: IRWL Math 6 is a component of the Intensive Reading and Written Language Program. It provides students who have diagnosed reading disabilities (dyslexia) with specialized instruction in mathematics. The IRWL Math 6 aligns with the 6th grade Common Core Mathematics Standards and will investigate a variety of concepts, as well as remediate areas of need.

Units of Study/Topics:

- **Patterns:** Identifying patterns, following rules, writing rules, input/output tables
- **Number Sense:** Place value, factors, multiples, GCF, LCM, integers and negative numbers, fractions, decimals, percents, prime factorization, divisibility rules
- **Fractions & Decimals:** Add, subtract, multiply, & divide, ordering fractions & mixed numbers
- **Percents:** Conversions among decimals, fractions, and percents, comparing and ordering percents, calculating percent, finding the whole when % is given
- **Graphing & Statistics:** Creating and interpreting graphs, analyzing data, mean, median, mode, & range, line, bar, and pie graphs, stem & leaf plots, histograms, pictographs
- **Geometry & Measurement:** Angles, perimeter, geometric shapes, polygons and circles, geometric formulas, prisms, surface area and volume, line and rotational symmetry
- **Probability:** Fairness, experimental and theoretical probability
- **Algebra:** Understanding variables, writing algebraic equations, balancing equations, equivalent rule backtracking, guess & check methods

Resources: The IRWL Math 6 main resource is the *Math Connects Course 1* textbook. Students will have access to the textbooks within the classroom and are not expected to take the textbooks home. Students will also use teacher designed resources and curriculum to differentiate the instruction based on students' learning styles and needs.

Students will also have access to a Google Classroom that will provide each day's objective, homework assignments, and a variety of resources and templates to assist with their mathematical learning.

Homework: My philosophy for math homework is to assign concepts that students have previously learned and are able to complete independently and develop mastery. Homework should only take about 5-10 minutes. If students experience any difficulty with their homework, please encourage your child to see me the next day.

Assessments: Students in the IRWL Math 6 class will have math assessments as a means of progress monitoring and documenting their understanding of concepts. Students are also assessed informally during class as they work through a variety of concepts at their level. Students will receive grades in Aspen that you and your child will be able to monitor.

Grading: Grades are on a points system:

Homework

Graded: Graded Assignments will be graded on accuracy (2-100 pts)

As students strengthen their individual mathematical reasoning and problem solving abilities, it is my hope that they will build their confidence and take mathematical chances and apply their purposes for situations that they may experience both in the classroom and the outside world...and maybe have a little fun!

Yours truly,

Mrs. Christine Sullivan, M.Ed

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