

Miss Kirkham
Math Syllabus
Grade 6

Contact Information

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Course Description

This course gives students the opportunity to review and perfect their skills in all four basic mathematical operations before delving into higher levels of mathematics, which include Algebra and Geometry. This course of study focuses on problems that utilize larger numbers that require multiple steps as well as more complex problem-solving methods.

Requirements

Passport to Algebra and Geometry, McDougal Littell, math notebook, pencils, and erasers. Math work is never accepted in pen.

Benchmarks and Goals

Students completing coursework will:

- Learn how to evaluate powers and use square roots
- Simplify numerical expressions by using the order of operations
- Evaluate expressions that contain variables
- Identify polygons and their parts
- Learn how to use the distributive property to evaluate expressions
- Simplify expression by combining like terms
- Use mental math to solve problems
- Learn how to use addition, subtraction, multiplication, and division to solve equations.
- Solve inequalities
- Add, subtract, multiply, and divide integers
- Add three or more integers
- Use two operations to solve two-step equations
- Use more than two operations to solve an equation
- Solve equations with variables on both sides
- Understand and apply the commutative property and associative property of addition and multiplication
- Classify natural numbers as prime or composite
- Add, subtract, multiply, and divide like and unlike fractions
- Learn how to find rates and ratios
- Solve proportions
- Solve percents