

Course Description

Grade 7 Math 7

Philosophy Statement: God is a God of order, and through the study of mathematics, students will appreciate the orderliness, exactness, and completeness that God has infused throughout his creation. Through the study of mathematics, students can develop a better appreciation of the infinite wisdom of God when compared to the finiteness of man.

Course Objective: This course sets a strong, solid foundation in working with decimals, fractions and negative numbers. It introduces algebraic concepts such as variables and solving algebraic equations. Algebraic and geometric concepts will be integrated into every unit and meaningful connections will be made to real-world problem solving.

Textbooks: Prentice Hall Mathematics Course 2
Pearson
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Materials:

- Textbook
- Practice and enrichment worksheets
- Manipulative materials
- Calculators (limited use)
- White boards
- Math Binder

Time Allotment: 46 minutes per day, 5 days per week

Course Content:

- Decimals and Integers
- Exponents, Factors, and Fractions
- Operations with Fractions
- Solving Equations and Inequalities
- Ratios, Rates and Proportions
- Percents
- Geometric Concepts
- Measurement
- Patterns and rules
- Graphing in the Coordinate Plane
- Displaying and Analyzing Data
- Using Probability

Areas to be evaluated:

- Class participation
- Guided practice
- Homework assignments
- Tests
- Quizzes
- Group Projects

Additional activities:

- Guest speakers (Math related careers)
- Math Counts/Math Club