

GRACE COMMUNITY SCHOOL
Curriculum Development
COURSE DESCRIPTION

Course: Mathematics

Grade: Four

Philosophy Statement: God the Creator ordained His universe to be governed by specific and inviolate natural laws. Mathematics, the study and science of patterns, allows mankind to examine these laws and thereby better understand the world in which we live. We also use these laws – accurate reflections of God’s orderly, precise, generous, and wise character – to conduct our lives and affairs efficiently and equitably by counting, marking time, and exchanging goods and services, all with numbers. We will purpose to teach mathematics for the purpose of prompting children’s naturally inquisitive minds to discover the patterns and principles of arithmetic, geometry, algebra, and calculus, so that they will recognize and appreciate the divinely established patterns and principles in the world around them, and offer God His deserved glory as they apply mathematics to each area of their lives.

Course Objective: The students will solve mathematics problems based on each particular mathematics skill taught. They will analyze data on a charts and graphs to make inferences about given information. The students will choose the best problem solving strategy to solve word problems and will explain how they found their answers. They will recall and recite math facts in multiplication, division, addition, and subtraction.

Textbook: Mathematics- Houghton/Mifflin, California Edition.

Materials:

- Workbook.
- Transparencies.
- Teacher Resource Book.
- Assessment Book.
- Re-teach Book.
- Flashcards.

Time Allotment: One hour per day, five days per week.

Course Content:

- Unit 1: Place Value and Money.
- Unit 2: Addition and Subtraction.

- Unit 3: Relating Multiplication and Division.
- Unit 4: Multiplication of Whole Numbers.
- Unit 5: One-Digit Divisors.
- Unit 6: Measurement and Negative Numbers.
- Unit 7: Fractions and Mixed Numbers.
- Unit 8: Decimals.
- Unit 9: Statistics and Probability.
- Unit 10: Geometry and Measurement.
- Unit 11: Graphing and Algebra.
- Unit 12: Two-Digit Divisors.

Areas to be evaluated:

- Workbook.
- Quizzes.
- Pretests.
- Textbook Work.
- Chapter Tests.
- Timed Tests.

Additional Activities:

- Multiplication Songs.
- Flashcards.
- Demonstrations (using money in a store, estimating).
- Math Fact Games.