

GRACE COMMUNITY SCHOOL  
Curriculum Development  
COURSE DESCRIPTION

Course: MATH

Grade: Kindergarten

Philosophy Statement: 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 demonstrate basic proficiency in mathematical functions of addition and subtraction that develop from their understanding of fundamental mathematical terms and the relationship between numbers and quantities.

Textbook: Mathematics- Houghton/Mifflin, California Edition.

Materials:

- Practice and enrichment materials.
- Manipulative materials.

Time Allotment: Forty-five minutes per day – five days per week.

Course Content:

- Unit 1: Sorting and classifying objects by color, size and shape.
- Unit 2: Graphs.
- Unit 3: Patterns – shapes and colors.
- Unit 4: Numbers 1-12 - counting, comparing and estimation.
- Unit 5: Calendars and clocks (analog & digital); time to one-half hour.
- Unit 6: Measurement and money.
- Unit 7: Addition concepts - addition facts up to 10.
- Unit 8: Subtraction concepts - subtraction facts with difference up to 10.
- Unit 9: Geometry and fractions.
- Unit 10: Greater numbers - counting by multiple numbers.

Areas to be evaluated:

- Tests.
- Oral assessments.

Additional Activities:

- Games and flashcards.