

GRACE COMMUNITY SCHOOL  
Curriculum Development  
COURSE DESCRIPTION

Course: Science

Grade: 4th

Philosophy Statement: The one true living God is the Creator. He created everything in the universe, visible and invisible, simply by the power of His spoken word, in six literal twenty-four hour days. Science is the discovery, exploration and analysis of God's creation, from the smallest microscopic life forms to the largest plants and animals – from sub-atomic particles to the largest heavenly bodies in His universe. We will purpose to teach life science, biology, earth science, physics, and geology so as to help our students discover the incredible wonders of God's creation and thereby develop a holy, worshipful reverence toward the sovereign Lord of Glory.

Course Objective: The students will define terms, recall facts, and memorize and recite information about living things and natural phenomena evident in the world that point to the Creator. They will predict outcomes, conduct experiments, and analyze data from those experiments.

Textbook: Science 4 for Christian Schools Second Edition; Bob Jones University Press, 1990.

Materials:

- magnets
- batteries
- wire
- overhead transparencies of a pulley
- homemade materials to demonstrate body organs
- light bulbs
- marshmallows for atoms
- ruler and eraser for lever and fulcrum

Time Allotment: 30 minutes per day, 2-3 days per week

Course Content:

- Unit 1: Digestion
- Unit 2: History of the Moon
- Unit 3: The Moon's Structure and Motions
- Unit 4: Machines
- Unit 5: Electricity
- Unit 6: Insects, Arachnids, and Myriapods

Assessments:

- Workbook Pages
- Notes
- Quizzes
- Vocabulary Tests
- Chapter Tests
- Oral and Written Reports
- Projects

Additional Activities:

- Perform demonstrations about organs, static electricity, magnetism, moon's motion, machines, and atoms
- Watch a movie about bees and ants
- Bring in live insects and pictures of insects to class
- Visit a museum