

## COURSE DESCRIPTION

### SIXTH GRADE

### EARTH SCIENCE

**Philosophy Statement:** Biblical science is the study of God's creation. God has revealed Himself in two ways: through the Bible and through creation. In creation, God's eternal power and divine nature are clearly perceived, and God has mandated that we investigate, explore, appreciate, and care for God's creation. In this way, we come to understand our Creator better in the process.

**Objective:** The sixth grade science curriculum emphasizes the study of the Earth Sciences. As students are increasing their awareness of the environment, they will learn the foundation of geology and geophysics, including plate tectonics and earth structure, topography, and energy.

**Textbook:** Focus on Earth Science (Glencoe)

**Materials:** Student Textbook  
Fast Files - Activity notebook pages  
National Geographic magazines  
Additional teacher supplemental resources and videos  
Lab/Composition notebook  
Additional materials for mini labs

**Time Allotment:** 50 minutes per day, 2 days per week

**Units of Study:** Ch. 1- Mapping Earth's Surface  
Ch. 2- Earth's Structure  
Ch. 3- Thermal Energy and Heat  
Ch. 4- Plate Tectonics  
Ch. 5- Plate Boundaries and California  
Ch. 6- Earthquakes  
Ch. 7- Volcanoes  
Ch. 8- Weathering and Erosion  
Ch. 9- Earth's Atmosphere  
Ch. 10- Oceans  
Ch. 11- Weather and Climate  
Ch. 12- Ecological Roles  
Ch. 13- Energy and Matter in Ecosystems  
Ch. 14- Resources

**Areas to be Evaluated:** Class Work & Class participation  
Homework  
Activities, Projects, Labs  
Assessment of Process Skills & Course Content

**Additional Activities:** BCS Science Fair, 3-day Catalina field trip with Lab Book