

LIBERTY UNIVERSITY

Online Academy

Course Syllabus

SCI0600

6th Grade Science

Course Description

The Liberty University Online Academy's 6th Grade science course provides students with an opportunity to discover scientific topics through interactive and engaging activities and lessons. Students will dive into God's world through the units that will employ imperative Christian values. The truths of Creation and God's design will be interwoven continuously throughout the entire course allowing students to gain solid science knowledge with a Biblical world view. Students will explore a wide range of topics which include the following: Creation, Tools of Science, Matter, Chemistry, Water and the Water Cycle, the Earth and its Atmosphere, Biomes and Oceans, the Earth and its Surface, Earth's Resources, and the Universe and Solar System.

Rationale

The 6th grade science course offers students an examination of the biblical foundations and appreciation of science--the study of God and His creation. God is awesome! He created you and the world around you. Think of the amazing way a human body works. Ponder the world around you. Think of how beautiful the mountains are and how amazing the moon and stars look at night. The ocean is filled with life! God is amazing! His creations are amazing, as well. We could spend our entire lives investigating God's works and never begin to scratch the surface. God wants us to learn about His amazing creation. He equips us to learn about His works. He made us curious as we will learn about Him and his majesty through His creation.

III. Prerequisites

None.

IV. Materials List

- Microsoft Office or compatible software
- printer, and scanner
- salt
- string
- food coloring
- flour`
- cooking oil
- baking soda
- dishwashing detergent
- vinegar
- cane

V. Measurable Learning Outcomes

The student will be able to:

1. Identify and describe Creation and The Universe
2. Identify and describe Matter
3. Identify and describe the Branches of Science
4. Identify and describe the Biomes
5. Identify and describe Earth and its Crust
6. Identify and describe Water and Weather
7. Identify and describe the Solar System

VI. Course Requirements and Assignments

- A. Individual lesson assessments
- B. Quizzes – not a set number of quizzes per unit
- C. Projects – not a set number of projects per unit
- D. 1 Test or Formal Assessment per module

VII. Course Grading and Policies

A. Grading Weights

Lesson Assignments	25%
Quizzes and Written Assignments	35%
Tests	40%

B. Scale

- A 93 – 100
- B 85 – 92
- C 77 – 84
- D 70 – 76
- F Below 70

VIII. Other Policies

A. Academic Misconduct

See pages 27-30 of your Student Handbook

B. Repeating Assignments

Students have two attempts on lessons. Quizzes and tests cannot be repeated to gain a higher grade. Quizzes and tests may be reset for technical issues, but a new set of questions will be generated.

Scope and Sequence

- I. Creation and the Universe
- II. Science
- III. Scientific Process
- IV. Water
- V. Earth's Atmosphere and Weather
- VI. Climate Zones
- VII. Earth
- VIII. Earth's Surface
- IX. Energy

X. Solar System