COURSE SYLLABUS

SCI 0300

3RD GRADE

I. COURSE DESCRIPTION
The Liberty University Online Academy’s 3rd Grade Science Course provides students with an opportunity to discover scientific topics through interactive and engaging activities and lessons. Students will study God’s creation in each module and will do so with imperative Christian values as the guide. The truths of Creation and God’s design will be interwoven continuously throughout the entire course allowing students to learn sound scientific knowledge framed in a Biblical worldview.

II. RATIONALE
The 3rd Grade Science Course offers a deeper study of science allowing students to observe and understand principles with a solid understanding that everything is designed by our Great Creator. The course allows students to think clearly about scientific principles and to observe the way they work through a Bible lens for the current study of science and for future studies, too.

III. PREREQUISITES
2nd Grade Science

IV. MATERIALS LIST
Microsoft Office or compatible software

V. MEASURABLE LEARNING OUTCOMES
The student will be able to:
A. Identify and understand the importance of observation and the scientific method.
B. Identify and understand different measurements.
C. Identify and understand chemistry and the contributions of Robert Boyle.
D. Identify and understand matter and the states of matter.
E. Identify and understand the process of chemical changes.
F. Identify and understand friction and the types of friction.
G. Identify and understand the impact of heat on friction.
H. Identify and understand the Earth’s surface.
I. Identify and understand the different types of weather.
J. Identify and understand the Earth’s rotation.
K. Identify and understand the oceans.
L. Identify and understand the solar system.
M. Identify and understand energy and its resources.
N. Distinguish between living things and non living things.
O. Identify and understand cells.
P. Identify and understand fungi.
Q. Identify and understand animal classification.
R. Identify and understand plants and their parts.
S. Identify and understand an ecosystem.
T. Identify and understand the states of water and the water cycle.
U. Identify and understand pollution and prevention methods for it.
V. Identify and understand the skeleton, the skin, and the brain.
W. Identify and understand the respiratory system.
X. Identify and understand the senses.
Y. Identify and understand ways to take care of God’s world.

VI. COURSE REQUIREMENTS AND ASSIGNMENTS
   A. Individual lesson assessments and activities
   B. Quizzes in each module
   C. Tests in each module
   D. Module Test

VII. COURSE GrADING AND POLICIES
   A. Grading Weights
      Lesson Assignments 25%
      Quizzes and Written Assignments 35%
      Tests 40%
B. Scale

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<th>Letter</th>
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<td>A</td>
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VIII. Other Policies

A. Academic Misconduct

See pages 27-30 of your Student Handbook

B. Repeating Assignments

Students have two attempts on daily work assignments. 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.

IX. Scope and Sequence

Module 1: Observation and Inquiry

Week 1: Observations

Week 2: Measurement Part 1

Week 3: Measurement Part 2

Module 2: Physical Science Part 1

Week 4: Chemistry

Week 5: Matter & States of Matter

Week 6: Chemical Changes
Module 3: Physical Science Part 2

Week 8: Friction

Week 9: Types of Friction

Week 10: Heat and Friction

Week 11: Module 3 Newspaper Project and Tests

Module 4: Earth Science Part 1: God’s Design and Movement of the Earth

Week 11: The Simply Amazing Surface and More

Week 12: Weather

Week 13: Earth’s Rotation

Week 14: Module 4 Brochure Project and Tests

Module 5: Earth Science Part 2: The Earth’s Oceans

Week 14: The Earth’s Oceans

Week 15: The Solar System

Week 16: The Energy and Energy Resources

Week 17: Module 5 Special Presentations and Tests

Module 6: Life Science Part 1

Week 18: Living Things and Non Living Things

Week 19: Cells

Week 20: Fungi
Module 7: Life Science Part 2
Week 21: Animal Exploration
Week 22: Plant Exploration
Week 23: Ecosystem and the Food Chain
Week 24: Module 7 Animal Classification Project and Tests

Module 8: Water World
Week 27: States of Water
Week 28: The Water Cycle
Week 29: Pollution
Week 30: Module 8 Water Project and Tests

Module 9: Health
Week 30: The Skeleton
Week 31: The Skin
Week 32: The Brain

Module 10: God’s Amazing Design
Week 33: God Made Me Special
Week 34: Using My Gifts
Week 35: Taking Care of His Design
Week 36: Module 10 God’s Design Project and Tests