5th-6th Grade Science









Science is a great academic discipline to teach in a group setting. This class will engage students in a variety of science concepts before moving on to more in-depth middle school and high school classes. Students will engage in class discussions, independent study, and hands-on experiments using the scientific method.

The objective for this class is to equip students with a basic understanding of botany, anatomy, and zoology.

GOD'S DESIGN FOR LIFE (2020-2021)

The World of Plants: Discover the Creator's handiwork as you study the beauty and intricacy of seeds, leaves, and flowers. Explore trees, fungi, algae, unusual plants, moss, and more. Grow, observe, and experiment with plants.

The Human Body: The human body is an incredibly complex and created wonder. Learn about the amazing functions of each system and understand that you are made in God's image. Create models and observe simple dissection (cow/sheep heart and lungs, etc.)

The World of Animals: Discover how each animal was designed by God to be unique, from mammals and slimy frogs to jellyfish, butterflies, and bacteria. Classify and observe the animal world.

Homework: Setting up and performing experiments at home can be cumbersome and time consuming for parents.

We will conduct many experiments in class and collaboratively discuss the results. Some projects will

be initiated in class and continued at home by recording observations.

Grading: Throughout the week, students will complete reading assignments, answer study questions, and record

observations from class experiments. All of the material will first be introduced in class. Expect to spend

approximately 30 minutes each day on homework assignments.

Materials: Textbook, 3-ring notebook, notebook paper, colored pencils, (periodic) supervised internet access.

\$40 fee for lab consumables

Text: God's Design for Life

ISBN: 9781683441410

Publisher: Master Books, a division of New Leaf Publishing

Recommended Retailers: Masterbooks.com & Mardel

World of Plants

World of Plants

World of Animals

MASTERBOOKS

CURRICILITY

Debbie & Richard Lawrence

This course is part of a 2-yr rotation. God's Design for Physical World will be offered 2021-2022.

7-8th grades will continue in the same curriculum line.

EXCEL SCIENCE / 5-8th GRADE



5-6th Grade

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Study the intricacies of life science through human anatomy, botany, and zoology.

fungi, algae, unusual plants, moss, and more. the beauty and intricacy of seeds, leaves, and flowers. Explore trees The World of Plants: Discover the Creator's handiwork as you study

system and understand that you are made in God's image The Human Body:Learn about the amazing functions of each

butterflies, and bacteria. God to be unique, from mammals and slimy frogs to jellyfish The World of Animals: Discover how each animal was designed by



5-6th Grade

PHYSICAL WORLD

and technology. Study of physics, machines, motion, energy,

Machines & Motion: Learn physical principles behind flight and the advances in communication, airplanes, rockets, telephones, computers, and more.

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magnetism, light, and sound. God provides our energy needs and learn the wonders of electricity Heat & Energy: From fossil fuels to nuclear power plants, see how

Inventions & Technology: Understand simple machines such as racing roller skate cars, and making pendulums levers and inclined planes. Learn about the law of motion, friction







2020-2021

7-8th Grade





Our Universe: Explore our solar system and the universe. Learn

and how these oceans affect weather systems

and comets, and the space program

study this special place for us to live.

Our Planet Earth: Discover God's design for our unique planet

Learn about rocks, the Genesis Flood, and the Ice Age, as you

Our Weather & Water: Study the atmosphere and oceans of Earth

Study geology, astronomy, and meteorology. Explore God's creation of the land and skies **HEAVEN & EARTH**

You will discover what weather is, God's design of the oceans,

Explore God's creation of the land and skies CHEMISTRY & ECOLOGY



up the universe God created. Learn how to measure the properties of Properties of Matter: Learn all about matter—the stuff that makes Study geology, astronomy, and meteorology.

solids, liquids, and gases and the process of classification

animals that live and interact in them. created as you study 16 different ecosystems and the plants and Properties of Ecosystems: Learn about the amazing world that God

chemical reactions, and biochemistry. Properties of Atoms & Molecules: Explore atoms and molecules, and their structures. Learn about the basics of the periodic table



2021-2022