

**A Note on Science Classes:** All science classes at NHHG are taught from a creationist perspective. The majority of our elementary, middle and high school core science classes use Apologia Curriculum. Apologia describes their approach as “Looking at the world from a creationist position, topics are all presented with an eye towards God’s role in everyday life.”

**Apologia Course Descriptions (as taken from their website), each of these are offered on a rotating basis at NHHG:**

## High School Chemistry, 3rd Edition

Our award-winning 3rd edition high school chemistry course offers more in-depth discussions and explanations of concepts, a more user-friendly flow of topics, as well as biographical sketches of Christian scientists who have made a difference in the field while giving the glory to God. This course provides a rigorous foundation in chemistry in order to prepare your student for college-level studies.

## High School Biology, 3rd Edition

Apologia’s homeschool biology course for high school is part of Apologia’s award-winning Exploring Creation Series. With a strong emphasis on vocabulary and experiments, *Exploring Creation with Biology*, 3rd Edition, is a foundational course that covers everything students need to prepare successfully for a college-level biology course.

## High School Physics, 2nd Edition

*Exploring Creation with Physics*, 2nd Edition, has been voted the #1 homeschool physics course for over 11 years in a row by homeschooling families. Because the science of physics is an attempt to explain everything that is observed in nature, this text is an overview of the advances made over the last three thousand years! And while that may seem like a monumental task, we’ve designed it to be not only homeschool-friendly but also college-prep.

## High School Advanced Biology, 2nd Edition

*Exploring Creation with Advanced Biology: The Human Body*, 2nd Edition, is a college-prep course that provides an advanced study of the human body’s 11 organ systems. This 2nd Edition has updated discussions and photographs, as well as new content. If a student completes the entire course, including documenting in a lab notebook all of the labs, experiments, and dissections, it can be counted as an honors course. Please note that this product is the softcover textbook only. You will need the *Solutions and Tests Manual* to complete this course.

## MS/HS Health & Nutrition

Health is about stewardship: managing what you have as well as you can. This 15-module course, which includes both a hardcover textbook and a spiral-bound notebook, covers the physical, nutritional, emotional, and spiritual aspects of growing into a healthy adult. Students will study the human body systems, senses, genetics, temperaments, and physical influences on thoughts and feelings. The course respectfully covers mental illness and emotional stability, as well as the inestimable value of another human being, our culture, our gender roles, our families, socialization, communication skills, and conflict resolution skills. Students will gain an in-depth knowledge of both macronutrients and micronutrients, including the importance of exercise and proper diet. Over 50 projects, noted in the textbook and included in the student notebook, cover materials such as nature versus nurture, personal temperament, good decision-making skills, boundary setting, analyzing

food intake and activity levels, creating good hygiene habits, keeping a sleep record, as well as so much more.

## **Middle School Physical Science, 3rd Edition**

If all we ever offer our students is a textbook version of science, they will never get to “own” a discovery that they make during an experiment. Our world is not a world of chaos, and once students begin to see that they can observe a phenomenon, ask questions, and set up a methodical test to answer questions, science will no longer be a class but rather a means to discover their world.

This middle school physical science course is specifically designed to be the second course taken during junior high. It is created to give middle school students an understanding of the basic world that surrounds them each day of their lives and the forces in creation so that they can appreciate the real-world relevance of scientific inquiry and the beauty of creation. We believe that students' educations should prepare them for life, not just an academic year.

Inside this softcover student textbook, *Exploring Creation with Physical Science*, 3rd Edition, we continue to mentor middle school students with the process of note-taking through the use of colorful prompts that help your students learn what information is important to pull from the textbook. Please note that our Physical Science 3rd edition textbook has been reprinted in a softcover version. You can read our complete formal statement about this transition on our FAQ Knowledge Base [here](#).

## **Middle School General Science, 3rd Edition**

*Exploring Creation with General Science*, 3rd Edition, is part of Apologia's award-winning homeschool science curriculum for middle school students. This course is designed to help middle school students transition in their homeschool work from the elementary level to seventh grade.

This is a true general science course covering a wide range of the branches of science. There is a large component of Earth Science (modules include astronomy, meteorology, oceanography, earth study, geology, paleontology, and environmental science) to give students a great foundation of that broad field of study.

## **Elementary Anatomy & Physiology – Exploring Creation with Anatomy & Physiology**

*Exploring Creation with Human Anatomy and Physiology* is an elementary level Anatomy book that gives glory to God as children discover what's going on inside their bodies! Take this in-depth journey into the anatomy and physiology of your body through *Exploring Creation with Human Anatomy and Physiology* by Jeannie Fulbright and pediatrician Brooke Ryan, M.D..

From the brain in your head to the nails on your toes, you and your students will encounter fascinating facts, engaging activities, intriguing experiments, and loads of fun as you learn about the human body and how to keep it working well.

Beginning with a brief history of medicine and a peek into cells and DNA, your students will voyage through fourteen lessons covering many subjects, such as the body systems: skeletal, muscular, respiratory, digestive, cardiovascular, nervous, and more! They'll study nutrition and health, how God designed their immune system to protect them, along with embryology and what makes them a unique creation of God.

As they work their way through the course, your students will enjoy adding the organs about which they learn to their own personalized human figure to be placed in their course notebook. In addition to all this exploration, your students will enjoy scientific experiments and projects, such as testing the bacteria content around the house, finding their blood type, creating a cell model from Jello and candy, and even building a stethoscope!

In keeping with the other books in the Apologia elementary science Young Explorer Series, the Charlotte Mason methodology is employed with engaging narratives, narration prompts and notebooking projects, all of which reinforce their learning using proven techniques that strengthen retention.

## Elementary [Astronomy](#) – Exploring Creation with Astronomy, 2nd Edition, Textbook

*Exploring Creation with Astronomy*, 2nd Edition, is a homeschool science course for elementary grades K-6 and part of our Young Explorer Series authored by Jeannie Fulbright. For over 11 years in a row, The Young Explorer Series has been voted the #1 homeschool science for elementary grades.

Explore the farthest reaches of God's creation with this new and revised edition of our award-winning astronomy course. With many hands-on activities to help young scientists retain what they learn, our science curriculum uses the Charlotte Mason methodology to introduce elementary-level students to the wonders of our solar system, the stars, and beyond. Our tour of the universe begins with our sun, the planets, the asteroid belt, dwarf planets, and the Kuiper belt. Then we set off across the stars to explore galaxies, nebulae, and even black holes as they reveal the marvel and might of our loving Creator.

## Elementary [Botany](#) – Exploring Creation with Botany, 2nd Edition, Textbook

*Exploring Creation with Botany*, 2nd Edition, is part of the award-winning Young Explorer Series—voted the #1 homeschool science curriculum for over 11 years in a row. Understanding how plants and animals (including humans) were meant to interact for their created purposes helps us spread the beauty of God everywhere we go.

*I am the vine; you are the branches. Whoever abides in me and I in him, he it is that bears much fruit, for apart from me you can do nothing.* John 15:5

## Elementary [Chemistry and Physics](#) – Exploring Creation with Chemistry and Physics

*Exploring Creation with Chemistry and Physics* is a homeschool science course for elementary grades K-6 and part of our Young Explorer Series authored by Jeannie Fulbright. For over 11 years in a row, The Young Explorer Series has been voted the #1 homeschool science for elementary grades.

Introduce your children to the fascinating world of chemistry and physics! The activities and projects in this course are sure to delight and inspire your young minds. They'll begin by exploring the basic building blocks of creation, atoms and molecules, and then journey through simple chemicals, the laws of motion, and energy in its many forms, before discovering concepts of electricity and magnetism. Along the way, your students will make a bouncy ball, formulate a smoke bomb, build a solar oven, construct a working periscope, fashion a miniature motor, and create a lava lamp! All the while, God will be glorified as the Master Designer of all that they're discovering about the world and how it works. This exciting course will give your students a love for learning and confidence in science that will carry them through the school years and beyond.

It is an engaging way to teach your young students just how God made everything in the universe.

Jeannie Fulbright presents a scientifically sound and God-honoring study that covers atoms, molecules, simple chemicals, laws of motion, electricity, magnetism, and simple machines.

## Elementary Zoology 1 – Exploring Creation with *Zoology 1: Flying Creatures*

*Exploring Creation with Zoology 1: Flying Creatures* is a homeschool science course for elementary grades K-6 and part of our Young Explorer Series authored by Jeannie Fulbright. For over 11 years in a row, The Young Explorer Series has been voted the #1 homeschool science for elementary grades.

In this book, your children will begin exploring the dynamics of flight and animal classification, understanding why the design we see in these incredible creatures points us to our Creator God. Then, get ready for the exciting adventure of learning about birds. Your children will learn how to attract various bird species to your yard and identify them by looking at their special physical characteristics, diverse nests, and interesting domestic practices. They will also learn anatomy and the glorious design that enables birds to do remarkable things. The text contains actual experiments on the preferences and habits of the birds your children see. These experiments further enrich the learning experience.

After becoming amateur ornithologists, your children will explore the world of chiropterology, which is the study of bats. They will be able to intelligently share with others the value of bats in our world while exposing the misconceptions that most people have regarding these docile creatures of the night. Your children will then investigate entomology, the study of insects. They will learn to scientifically classify insects they find in their yard by a simple glance at their wings and other important characteristics. In addition to designing experiments with flies, crickets, darkling moths, and caterpillars, they will also learn how to attract and catch insects for scientific study.

When your children complete this study of zoology, they will never view nature in the same way again. Their eyes will be open to the different species that live in their midst, enjoying and understanding nature to the fullest. Vacations will become educational experiences as they notice birds and insects inhabiting the areas they visit. By learning to keep a field journal, they will be able to notice unusual circumstances or sudden increases in bird or insect populations. They will become true scientists as they come to know nature and the fascinating world that God created.

## Elementary Zoology 2 – Exploring Creation with *Zoology 2: Swimming Creatures of the Fifth Day*

From the rivers and streams to the mighty ocean, God filled the Earth's waters with animals great and small. Upon His word, enormous whales sprung into being. At His command, billions of plankton leapt to life. On that day, millions of creatures like the strapping sea turtles, the skulking sharks, the delightful dolphins, and the soaring squid gladly joined their fellow sea animals. Strong swimming bass traveled the rivers past the creeping crayfish and the sluggardly snails. How joyously crammed with excitement was the fifth day of Earth's existence!

Apologia's second zoology book will take you and your family on an exploration into the wonders of the swimming creatures made on the fifth day of creation. You'll begin with a big splash from the whales and dolphins, then spy on seals and meet manatees before swimming with the sea turtles, snakes, and salamanders. You'll even peek in on the primeval plesiosaurus and its pals.

Following your frolic with fish and sharks, you'll uncover the world of crabby crustaceans, sea snails, clams, and their soft-bodied friends like the octopus, squid, and nautilus. You'll consort with corals, find flowers that devour plankton, see stars and feathers that walk, leap and roll, and discover dollars that disappear in the sand and sponges that clean more than you might think.

From the microscopic to massive, no stone is left unturned in your student's passage through the

waters of the world. The creatures your student studies will come to life as your student creates replicas of them and adds them to his “Ocean Box” – a miniature hand-crafted aquarium. As always, each lesson ends with an experiment or project reinforcing the scientific method and the concepts studied. Among other experiments and projects, your student will try on blubber, investigate a shark’s ability to sense electrical currents, explore how whales can hear sounds that come from far away, and learn through experimentation which creatures make the best fossils. No matter how near or far you live from the ocean, you and your students will wonder at God’s designs in the amazing aquatic animals He formed on the fifth day.

## Elementary Zoology – *Exploring Creation with Zoology 3: Land Animals of the Sixth Day*

*Exploring Creation with Zoology 3: Land Animals of the Sixth Day* is a homeschool science course for elementary grades K-6 and part of our Young Explorer Series authored by Jeannie Fulbright. *Exploring Creation with Zoology 3* is part of the award-winning Young Explorer Series—voted the #1 homeschool science curriculum for over 11 years in a row.

What separates people from apes? How can a Great Dane be related to a Chihuahua? Is there evidence that people and dinosaurs lived at the same time? What should you do if you encounter a bear? How can you tell if a snake is poisonous? Come find out answers to these questions and many, many more with Apologia’s *Exploring Creation with Zoology 3*!

This third book in the zoology series takes students on a safari through jungles, deserts, forests, farms, and even their own backyard to explore, examine and enjoy the enchanting creatures God designed to inhabit the terrain. Families will snuggle together and discover the amazing animals from primates to parasites, kangaroos to caimans, and turtles to terrifying T-Rex—and the safari doesn’t end there!

Students will also keep a record of where each animal is found on a map and learn to identify animal tracks. As with all the Apologia elementary books, students will continue the practice of narration, keeping a notebook of what they have learned, and enjoy many hands-on projects and experiments throughout the course.