

6th Grade General Science

Course Description: This course helps demonstrate the intricate complexity and beauty of the natural world. Students will learn how to approach science as a scientist, as an observer, and as a believer through reading, simple experiments and demonstrations, simple research, and field trips. This course gives an overview of the scientific method; the classification system of the animal kingdom, invertebrates and the classes of arthropods; astronomy, studying the constellations, telescopes and early astronomers; space exploration, first rocket spaceships, the “space race” to the moon, space stations, satellites and deep space exploration; chemistry, common elements and element families, the periodic table, and basic structure of the atom.

Course Question: How do the physical properties of the world reflect God’s wisdom?

7th Grade Earth Science

Course Description: This course centers around understanding how God customized the earth for life. Through the lens of the Truth of scripture, this course will delve into the physical properties of the natural world and how its intricate design reflects God’s wisdom. Students will leave the course equipped for further study in the sciences having an understanding and appreciation for the interdependence of life and nature.

Course Question: How do the physical properties of the world reflect God’s wisdom?

8th Grade Physical Science

Course Description: The aim of this course is to see the glory of God in the created world of the Earth and the universe. Students will study the properties of planet Earth and have a brief introduction to physics and motion as they discover how science affects every aspect of their lives. Regular labs will be conducted by students to give them hands-on experience in the investigation of the properties of water and the laws of motion.

Course Question: How are the intricacies of His handiwork seen in our physical world?

9th Grade Biology

Course Description: This course is the study of living things. Students will interact with life through reading, observations and labs to understand how life grows, moves, reproduces, responds to the environment, and interacts with other living things. Students will be asked to think deeply about the implications of our responsibility to living things as correctly understood in scripture.

Course Question: How does the study of biology support the belief in a creator God?

10th / 11th Grade Chemistry

Course Description: The aim of this course is to see the glory of God in the created world of matter and have a more intimate understanding of His hand in all aspects of the universe through the acquisition of a solid grasp of the fundamentals of chemistry. Students will delve into the micro world of atoms and molecules – exploring how compounds are made through various reactions.

Course Question: How does dihydrogen monoxide (water) continue to glorify our Creator Sustainer, and is our eternal hope as the living water (John 4:14)?

11th / 12th Grade Physics

Course Description: This course will introduce the fundamental laws of the Universe as they pertain to linear and nonlinear motion. The student will engage in hands-on research and experimentation to discover the fundamental concepts and laws that govern our motion through the cosmos. Along the way, the student will examine the relationship between mathematics and the laws of nature, appreciating the beauty and order of God's creation.

Course Question: How does the mathematical interconnectivity found in the laws of the universe along with its order, beauty, and elegance, reveal a divine creator?

11th / 12th Grade Anatomy and Physiology

Course Description: Anatomy and physiology is the study of the structure and function of the human body. This course will help students understand the relationship of cells and organs to the whole organism. The course will highlight the eleven systems of the human body and use a variety of methods including dissection and self-laboratory activities, the study of anatomical models, and microscope slides. Students will also have opportunities to evaluate current research, technology, and issues related to the health field as they become familiar with medical terminology and procedures. This course will also provide students with a knowledge base with which to make decisions concerning personal and community health issues.

Course Question: How can I better care for the body God so intricately designed for me?