

# ACADEMIC EXCELLENCE

## 5th Grade Science

### The Creator and Science

- Affirming the Bible's teaching that God created the universe from nothing; explaining from Scripture how the universe came into existence; affirming that God created humans in His own image
- Contrasting the Bible's teaching about creation with the teaching of evolution
- Praising God for His wisdom and power in creation

### Work and Science

- Identifying people's God-given responsibility as stewards of the earth (Gen. 1:28); relating the study of ecosystems to Genesis 1:28; explaining the importance of understanding energy and heat for developing technology
- Evaluating the claim that operational science depends on evolutionary principles
- Justifying human intervention in nature (biomes, ecosystems, and habitats); relating operational science to exercising dominion; defending biomimicry for exercising dominion, loving our neighbor, and glorifying God

### Importance of People

- Affirming the importance of learning about matter in order to serve others and glorify God; relating the importance of science to the biblical teaching that humans are made in God's image
- Listing biblical reasons for avoiding certain behaviors (e.g., smoking); critiquing an evolutionary worldview for the way it approaches problem solving
- Explaining why it is important to identify the God of the Bible as the designer of our bodies; explaining how biomimicry can be used to glorify God; applying the biblical teaching on the value of human life to everyday situations



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### The Flood and Science

- Describing methods for excavating, reconstructing, and dating fossils; affirming that humans and dinosaurs lived at the same time; explaining how the Flood changed climate and biomes
- Evaluating methods used for dating fossils; critiquing views of when dinosaurs lived
- Defending the claim that dinosaurs and humans lived together; using scientific evidence to support the claim that dinosaurs lived thousands (not millions) of years ago

### The Redeemer and Science

- Explaining the components of a biblical worldview; explaining why it is necessary to look at the world from a biblical perspective
- Distinguishing facts from assumptions in the debate between evolution and creation; evaluating evolutionary assumptions from a biblical worldview; inferring the viewpoint from which scientific literature was written
- Defending the claim that the layers of the earth did not take millions of years to form

### Modeling and Science

- Explaining the interrelationship of science concepts; explaining how interpreting the fossil record requires modeling
- Evaluating evolutionary assumptions from a biblical worldview; comparing and contrasting beliefs of evolutionists and creationists; identifying phrases and statements that indicate a creationist viewpoint or an evolutionary viewpoint
- Explaining why a creationist approach to science is better for solving problems (e.g, hearing loss) than an evolutionary approach; defending a biblical view of the evidence for an ice age

