

# ACADEMIC EXCELLENCE

## 7th Grade Science

### Role of Worldview in Life Science

#### Life Science

- Explaining how creationists interpret the evidences for change in living things; explaining how biomimicry could be used to fulfill the Creation Mandate and declare the glory of God
- Contrasting a naturalistic worldview with a biblical worldview
- Defending the claim that a person's worldview affects the way in which he classifies organisms;
- defending the claim that there is only one human race

#### History of Life

- Explaining the origin of ethnic differences based on the narrative of Genesis and using population genetics; explaining why a person's worldview affects his construction of a history of change in life on Earth
- Contrasting explanations for the origin of slime molds; evaluating claims regarding the origins of protists and fungi
- Defending the internal consistency of Creation theory against that of evolutionary theory

### Role of Modeling in Life Science

- Explaining how life science uses models; explaining why cell theory is considered a scientific model
- Comparing and contrasting the modern, Linnaean, and baraminological classification systems; evaluating the ability of origins theories to predict or interpret the evidence of change in living things

### Appearance of Design in Life

- Explaining the meaning of the claim that life is engineered



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- **Contrasting the view that the structures of the cell are engineered with the view that they have evolved**
- **Defending the claim that DNA and gene structure and function are evidence for divine design; refuting an evolutionary explanation of speciation using a biblical explanation of speciation; synthesizing scientific observations and biblical teaching on divine design to explain death and suffering in the biosphere**

### **Biology and Ethics**

- **Explaining why the Bible is the ultimate authority in determining ethical behavior; identifying biblical principles and biblical outcomes as the main criteria for ethical decision making**
- **Distinguishing legitimate uses of plants from illegitimate uses based on biblical teaching; explaining the danger of performance-enhancing drugs such as diuretics; evaluating the ethics of cloning and gene therapy; evaluating blood and organ donation based on biblical teaching**
- **Arguing from Scripture that all humans deserve care regardless of skin color; formulating a Christian response to the challenges posed by human population growth; proposing solutions to reduce head trauma in sports; recommending a solution to an issue regarding environmental usage**

### **Gender Identity and Human Sexuality**

- **Summarizing the biblical teaching regarding gender and sexuality**
- **Evaluating the current gender crisis based on a biblical worldview**
- **Formulating a Christian view of gender identity and human sexuality**

