

ESSENTIAL QUESTIONS AND BIG IDEAS

for MATH DOMAINS

K-2

Numbers and Operations

Essential Question: What do numbers represent and how do they help us to understand God's world?

Big Idea: Numbers represent an amount that helps us order and compare things in God's world.

Operations and Algebraic Thinking

Essential Question: How can simple math operations be used to explain God's creative power?

Big Idea: Addition and subtraction help us to understand God's desire to create and recreate.

Measurement

Essential Question: How does measurement help us discover God's creative design?

Big Idea: Measurement allows us to accurately describe the things that God has created.

Geometry

Essential Question: How does learning about shapes and their parts help us appreciate God's creation?

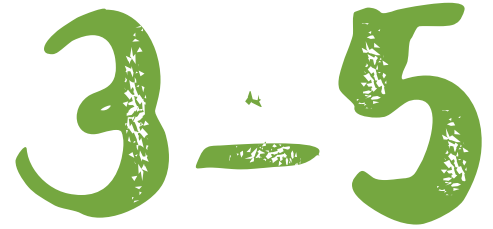
Big Idea: Shapes and their parts help us appreciate the beauty and order in everything God has designed.

Data Analysis, Statistics, and Probability

Essential Question: How can we collect and use information in a way that reflects God's orderly creation?

Big Idea: Information from God's vast creation can be measured, recorded, and displayed to assist in understanding and decision making.

ESSENTIAL QUESTIONS AND BIG IDEAS for MATH DOMAINS



Numbers and Operations

Essential Question: What does numerical reasoning involve and what does it demonstrate about God's world?

Big Idea: Numerical reasoning with whole numbers and fractions demonstrates dependability and order in God's world.

Operations and Algebraic Thinking

Essential Question: How do mathematical operations connect us to an infinite God?

Big Idea: Solving problems through mathematical operations reveals numerical patterns that demonstrate God's unchanging order and constancy.

Measurement

Essential Question: What do the systems of measurement reveal about God's creation?

Big Idea: Accurately measuring and quantifying objects in God's creation demonstrates His dependability and precision.

Geometry

Essential Question: What does geometry reveal about God?

Big Idea: God is revealed as the Master Designer when geometry is used as a means of describing the attributes of the physical world.

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Numbers and Operations

Essential Question: How can we use God's gift of the number system to understand the world and all created things?

Big Idea: The use of numerical and algebraic expressions helps us solve real-world and mathematical problems as well as understand God's creation.

Operations and Algebraic Thinking

Essential Question: What do mathematical principles reveal about God's ordered universe?

Big Idea: The consistency of mathematical order of operations and principles demonstrates the orderliness and precision of God's creation and universe.

Measurement

Essential Question: How do the accuracy of measurements help us fathom God's creation?

Big Idea: Accurate measurements and conversions help to solve multi-step real-world problems and see the scope of God's creation.

Geometry

Essential Question: How does the study of geometrical principles help us to better understand God's creation?

Big Idea: The complexity of God's creation is revealed in the attributes and relationships of geometric objects and principles when applied to the real world.

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ESSENTIAL QUESTIONS AND BIG IDEAS for READING DOMAINS

K-2

Reading Foundations, Literature and Informational Text

Essential Question: How can we honor God when we read, reflect, and respond to a variety of texts?

Big Idea: We honor God when we choose to reflect and respond to what we read in ways that help us grow in faith, learning, and service.

Writing

Essential Question: How can we honor God when we write for a variety of purposes and audiences?

Big Idea: We honor God when we choose to write in ways that affirm the teachings in His Word.

Speaking and Listening

Essential Question: How does the ability to listen and speak effectively help us to better understand God, others, and ourselves?

Big Idea: The ability to listen and speak effectively in a variety of situations allows us to communicate information, ideas, and feelings to better understand God, others, and ourselves.

ESSENTIAL QUESTIONS AND BIG IDEAS for READING DOMAINS

3-5

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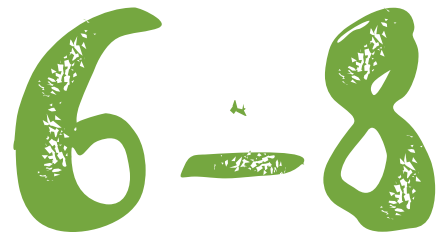
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ESSENTIAL QUESTIONS AND BIG IDEAS for SCIENCE DOMAINS

K-8

Life Sciences

Essential Question: How do living organisms give evidence of God as the Designer, Creator, and Sustainer of life?

Big Idea: The complexity, order, and design of living organisms provide strong evidence of God as the Designer, Creator and Sustainer of life.

Physical Sciences

Essential Question: How does the order and consistency of natural laws provide evidence of God as the Designer, Creator, and Sustainer of the physical world?

Big Idea: Matter and energy are organized and behave according to natural laws that cannot be explained by chance, but are consistent and give evidence of God as the Designer, Creator, and Sustainer.

Health Sciences

Essential Question: Why does God want human beings to choose to have a healthy mind and body?

Big Idea: God designed a plan for healthful living that leads to optimum spiritual, physical, mental, and emotional health.

Earth and Space Sciences

Essential Question: How do the structure and physical phenomena of Earth and space provide evidence of God as Designer, Creator, and Sustainer of the universe?

Big Idea: The structure and processes of Earth and space are organized and governed by natural laws that give evidence of God as Designer, Creator, and Sustainer.

Engineering, Technology, and Applications of Science

Essential Question: How has God equipped humans to apply knowledge of science to solve problems for the benefit of His Creation?

Big Idea: God designed humans to wonder, question, and develop an attitude of inquiry as scientific principles are applied to the materials and forces of nature for the benefit of His Creation.

ESSENTIAL QUESTIONS AND BIG IDEAS for SOCIAL STUDIES DOMAINS

K-8

1. Culture

Essential Question: What role does culture play in God's plan for our relationships with others?

Big Idea: Human beings should create, learn about, share, and adapt to cultural diversity and perspectives in an interconnected world within God's plan.

2. Time, Continuity, and Change

Essential Question: What role does God play in the development of communities, nations, and the world?

Big Idea: God is active in history and ultimately His unfolding plan will triumph.

3. People, Places, and Environments

Essential Question: How does God respond to man-made changes in the environment and their impact on human life?

Big Idea: The damage that sin has done to the earth causes God pain and injures humans; however, God, who created and sustains the world, has promised to restore the Earth and humans to their original harmony.

4. Individual Development and Identity

Essential Question: What role does choice play in the development of individual identity?

Big Idea: God created humans with the power of choice and gave us the gift of the Holy Spirit to guide us as we make choices that shape our development.

5. Individuals, Groups, and Institutions

Essential Question: What is the role of the Seventh-day Adventist Church?

Big Idea: The church is God's agent to reach individuals, groups, and institutions with the good news of the gospel.

ESSENTIAL QUESTIONS AND BIG IDEAS for SOCIAL STUDIES DOMAINS

K-8

6. Power, Authority, and Governance

Essential Question: What is the foundation of the sovereignty of God and how does it compare to the sovereignty of human government?

Big Idea: Unlike human government, God's power, authority, and governance are absolute and rooted in His everlasting love.

7. Production, Distribution, and Consumption

Essential Question: How does God expect us to use the resources He has provided?

Big Idea: God supplies all of our needs and allows us to choose to be responsible stewards.

8. Science, Technology, and Society

Essential Question: How has God enabled humans to develop science and technology to improve society?

Big Idea: God designed humans with wisdom, inquiring minds, and varied talents to discover ways to enrich life.

9. Global Connections

Essential Question: How do global issues and connections impact the gospel commission?

Big Idea: God expects us to use global connections to address world issues through service to others, while sharing the good news of His love and His imminent return.

10. Civic Ideals and Practices

Essential Question: According to the Scriptures, what are the civic responsibilities of a Christian to the government of God and governments of man?

Big Idea: Followers of Jesus have a dual citizenship with responsibility first to God and then to civil authorities.