

EDUCATOR'S GUIDE



TITLE: HOW GREAT IS OUR GOD

AUTHOR: LOUIE GIGLIO

(Genre: Non-Fiction) Lexile: 900-1000L

Suggested Grade Level	3rd - 5th grade
Major Topics	<ul style="list-style-type: none">• Space• Earth• Animals• People
Enduring Understanding	Everything in creation can give us information about God.
Essential Questions	<ol style="list-style-type: none">1. Can you see God in the depths of the universe?2. Can we learn everything about God in our lifetime?3. Can you find God in science?

TASK 1

Standard Strand	Reading Literature
Standard Category	Key Ideas and Details
Task 1 Objectives	<ul style="list-style-type: none"> • Students will identify the main idea or theme of a text • Students will provide a statement summarizing the important information
Task 1	<p>Devotional Journal</p> <p>A great way to track your learning is by journaling what you have discovered. Journaling allows time to think about what you've read and how you can apply it to your life.</p> <p>This devotional journal follows the same four divisions as the book. Use this source to guide your learning as you read through it. If you want to read it cover to cover, switch your journal to the appropriate page for that day.</p> <p>Outline:</p> <ol style="list-style-type: none"> 1. Page Number <ol style="list-style-type: none"> a. Identify the page number of the current date 2. Scripture <ol style="list-style-type: none"> a. Write down the scripture located at the beginning of each devotional 3. Facts about God's creation <ol style="list-style-type: none"> a. Write down the overall scientific idea for the day b. Make lists of facts, write sentences, draw pictures 4. How is God revealed through science? <ol style="list-style-type: none"> a. Write down how God showed himself through science 5. How can I apply this to my life? <ol style="list-style-type: none"> a. Write down how you plan to use this knowledge about God in your life b. List prayers, thoughts, and ideas you may have



Page Number

Scripture

Facts about God's creation

How is God revealed through science?

How can I apply this to my life?



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EARTH

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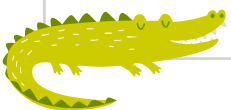
Page Number

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ANIMALS



Page Number

Scripture

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PEOPLE



TASK 2

Standard Strand	Writing
Standard Category	Research to Build and Present Knowledge
Task 2 Objectives	<ul style="list-style-type: none">• Identify topics to conduct short research projects that build general knowledge• Gather information from print and digital sources
Task 2	<p>Our God is limitless, and this devotional touches on numerous scientific topics, some of which you may not have known. This activity uses a K-W-L graphic organizer so you can keep track of the topics about which you want to learn more.</p> <p>Outline:</p> <ol style="list-style-type: none">1. Topic<ol style="list-style-type: none">a. Identify the topics you're interested in learning more about2. What do I already know?<ol style="list-style-type: none">a. Write down what information you already know about it3. What do I want to learn?<ol style="list-style-type: none">a. Write down any specifics you want to learn about4. What did I learn?<ol style="list-style-type: none">a. Write down some of the information you learned after re-searching the topic

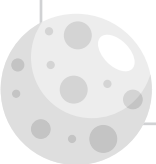


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SPACE

Topic	What do I already know?	What do I want to learn?	What did I learn?



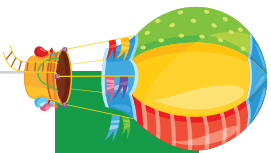
EARTH



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EARTH



Topic	What do I already know?	What do I want to learn?	What did I learn?



ANIMALS

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ANIMALS

Topic	What do I already know?	What do I want to learn?	What did I learn?





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PEOPLE

Topic	What do I already know?	What do I want to learn?	What did I learn?



TASK 3

Standard Strand	Earth and Space Sciences
Standard Category	Earth's Place in the Universe Earth's Systems
Task 3 Objectives	<ul style="list-style-type: none">• Generate and support a claim with evidence that over long periods of time, erosion and deposition have changed landscapes and created new landforms• Collect and analyze data from observations to provide evidence around mechanical weathering• Collect and analyze data from observations to provide evidence that rocks, soil, and sediments are transported by water

Name: _____

WHAT DO YOU KNOW ABOUT EROSION?

MATERIALS

- Paper/styrofoam cup
- Tape
- Soil of any type
- Straw
- (1) 3" prop
- Modeling clay
- 2 foil pans
- (1) 6" prop
- Water

Try These Soil Options:

- Rocks
- Sticks
- Leaves
- Roots

DIRECTIONS

1. Gently use a pencil to poke a hole in the paper cup near the base. Place the straw in the hole and seal with modeling clay.
2. Tape the cup to the middle near the top of the pan lengthwise.
3. Prop up the pan using one of the 3 or 6" props.
4. Cover the pan with soil.
5. Write your prediction of what the soil will look like after the water runs down the slope.
6. Holding your finger over the end of the straw, fill the cup $\frac{3}{4}$ full of water.
7. Release the water carefully, watching the water flow downward.
8. Write your results.
9. Repeat the experiment using the other prop and options.

	Prediction	Results
3" Prop		
6" Prop		
With Rocks		
With Leaves		
With Sticks		
With Roots		

Writing Prompt:

Using what you have learned about erosion and what you have learned from *How Great Is Our God*, write a devotion about science and how God uses science to reveal himself to us.

TASK 4

Standard Strand	Physical Sciences
Standard Category	Matter and Its Interactions
Task 4 Objectives	<ul style="list-style-type: none">• Develop and use models to illustrate the structure of atoms, including the subatomic particles with their relative positions and charge

Name: _____

ALL CHARGED UP

MATERIALS

- Paper hole punch
- Cardstock paper
- Toilet paper
- Printer paper
- Tissue paper
- Small balloon

DIRECTIONS

1. Using the paper hole punch create 20-30 small punches in each of the 4 paper types.
2. Scatter the paper circles onto 4 separate flat surfaces.
3. Make predictions about how the paper circles will react to the balloon with static.
4. Blow up the small balloon and tie it off.
5. Rub the balloon on your clean dry head of hair to create static.
6. Slowly place the balloon near the first pile of paper circles. Be careful not to touch them.
7. Observe how the paper circles react to the balloon.
8. Write down results.
9. Complete the experiment with other paper options.

Atom Facts:

- Atoms are made of small particles (protons, neutrons, & electrons).
- Atoms are usually electrically neutral, which means they contain equal parts protons (+) and electrons (-).
- If an atom loses an electron, then the atom has a positive charge.
- If an atom gains an electron, then the atom has a negative charge.
- When a positively charged atom encounters a negatively charged atom, they attract like a magnet. This creates larger compounds & objects. (Like the experiment shows)

Writing Prompt:

Using what you have learned about atoms and what you have learned from *How Great Is Our God*, write a devotion about science and how God uses science to reveal himself to us.

	Prediction	Results
Printer Paper		
Cardstock Paper		
Tissue Paper		
Toilet Paper		