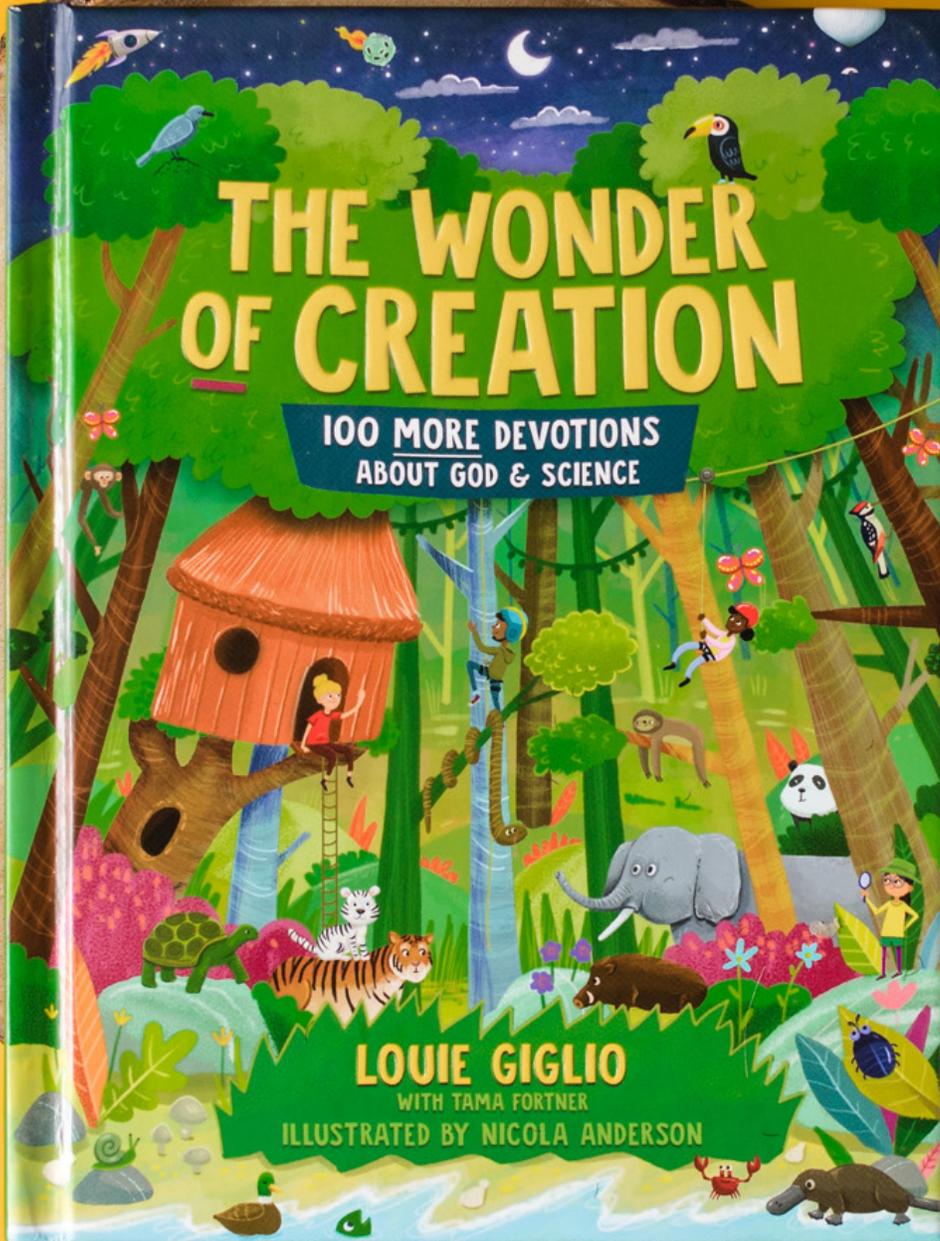


# EDUCATOR'S GUIDE



# TITLE: THE WONDER OF CREATION

**AUTHOR: LOUIE GIGLIO**

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

<b>Suggested Grade Level</b>	Shared Reading: 3rd grade Independent Reading: 5th grade
<b>Major Topics</b>	<ul style="list-style-type: none"><li>• Space</li><li>• Earth</li><li>• Animals</li><li>• People</li></ul>
<b>Enduring Understanding</b>	By examining amazing science facts, we can get a deeper understanding of our world and the God who created it.
<b>Essential Questions</b>	<ol style="list-style-type: none"><li>1. Where do you turn when you have questions about our world?</li><li>2. How can studying science give us more information about our world's creator?</li><li>3. Does knowing more about the world you live in make you feel closer to God?</li></ol>

# TASK 1

<b>Standard Strand</b>	Reading Literature
<b>Standard Category</b>	Key Ideas and Details
<b>Task 1 Objectives</b>	<ul style="list-style-type: none"><li>• Students will identify the main idea of a text</li><li>• Students will provide a statement summarizing the important information</li></ul>
<b>Task 1</b>	<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. If you want to read the book cover to cover, just switch your journal to the appropriate page for that day. You can print the entire journal and use it to guide your learning as you read the book.</p> <p>Outline:</p> <ol style="list-style-type: none"><li><b>1. Page number</b><ol style="list-style-type: none"><li>a. Identify the current day's page number.</li></ol></li><li><b>2. Scripture</b><ol style="list-style-type: none"><li>a. Write down the scripture located at the beginning of each devotional.</li></ol></li><li><b>3. Facts about God's creation</b><ol style="list-style-type: none"><li>a. This is where you write down the overall scientific idea for the day.</li><li>b. Here you could make lists of facts, write sentences, and draw pictures.</li></ol></li><li><b>4. How is God revealed through science?</b><ol style="list-style-type: none"><li>a. Write down how God shows himself through science.</li></ol></li><li><b>5. How can I apply this to my life?</b><ol style="list-style-type: none"><li>a. Write down how you plan to use this knowledge about God in your life .</li><li>b. Here you could write prayers, thoughts, and ideas you may have .</li></ol></li></ol>



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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Page Number

Scripture

Facts about God's creation

How is God revealed through science?

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Page Number

Scripture

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ANIMALS





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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PEOPLE

# TASK 2

<b>Standard Strand</b>	Writing
<b>Standard Category</b>	Research to Build and Present Knowledge
<b>Task 2 Objectives</b>	<ul style="list-style-type: none"><li>• Identify topics to conduct short research projects that build general knowledge.</li><li>• Gather information from print and digital sources.</li></ul>
<b>Task 2</b>	<p>Our God is limitless and this devotional touches on numerous scientific topics, some of which you may not have known. This activity using a K-W-L graphic organizer will allow you to keep track of the topics you are interested in knowing more about.</p> <p>Outline:</p> <ol style="list-style-type: none"><li><b>1. Topic</b><ol style="list-style-type: none"><li>a. Identify the topics you're interested in learning more about.</li></ol></li><li><b>2. What do I already know?</b><ol style="list-style-type: none"><li>a. Write down what information you already know about the topic.</li></ol></li><li><b>3. What do I want to learn?</b><ol style="list-style-type: none"><li>a. Write down any specifics you want to learn about.</li></ol></li><li><b>4. What did I learn?</b><ol style="list-style-type: none"><li>a. Write down some of the information you learned after researching the topic.</li></ol></li></ol>

# SPACE



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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



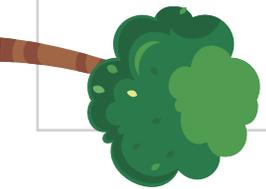
Topic

What do I already know?

What do I want to learn?

What did I learn?

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



# ANIMALS

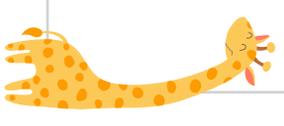


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# ANIMALS

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

## MAKE YOUR OWN GEODE

### "THE WONDER INSIDE" LESSON 40

#### MATERIALS

- 3 or 4 eggshells
- 1 cup measuring cup
- ¼ cup measuring cup
- Food coloring
- 4 cups of water
- Pot
- 1-¾ cups of Borax
- 3 small containers with lids
- Spoon

#### DIRECTIONS FOR ACTIVITY

1. Have your young scientist collect eggshell halves. You can collect them by boiling eggs and shelling them. Make sure to wash and rinse the eggshells and dry thoroughly.
2. Pour 4 cups of water into the pot and bring the water to a boil.
3. Once the water is boiling, remove from heat and very slowly stir in the 1-¾ cup of Borax until it is completely dissolved. (Use caution with Borax; an open and well ventilated area is best.)
4. Take 15 minutes to allow the Borax solution to cool.
5. Next, add 10-15 drops of food coloring of your choosing to each of the 3 containers with lids (lighter colors work best).
6. Divide the Borax solution equally between the 3 containers, slowly mixing the solution and the food coloring.
7. Carefully drop one eggshell into each container. Prevent the shell from touching the side of the container. You may need to use the spoon to prevent the egg from sticking.
8. At this time cover the containers with their lids.
9. Allow each container to rest undisturbed overnight.
10. The next day, carefully use the spoon to pry the eggshell from the bottom of the container. You may need to use a bit of pressure to release the eggshell from the bottom.
11. Find a spot for your geode to rest and dry.
12. Enjoy your new geode.

# TASK 4

## MAKING AN ICY VOLCANO

### "NO IFS ABOUT IT" LESSON 99

#### MATERIALS

- Baking soda
- Plastic wrap
- Golf ball
- Water
- 2 bowls
- Vinegar (a small glass)
- Pipette or small syringe
- Freezer
- Food coloring

#### DIRECTIONS FOR ACTIVITY

1. Place your golf ball into an empty bowl.
2. Using the plastic wrap, cover the bowl and the golf ball. Make sure to press the plastic wrap down to the golf ball so it's tucked in on all sides and the plastic wrap is still covering the outside of the bowl.
3. Using the other bowl, create a mixture that is  $\frac{2}{3}$  water and  $\frac{1}{3}$  baking soda. Once combined, add 3-5 drops of food coloring for effect.
4. Pour the mixture into the bowl with the golf ball. Make sure the golf ball is completely submerged.
5. Place the bowl with the golf ball in the freezer overnight.
6. Once removed from the freezer, allow the bowl to sit for 5 minutes so the outside edges can loosen slightly from thawing.
7. Once the bowl has slightly thawed, flip it over for the icy volcano to slide out of the bowl.
8. Remove the plastic wrap and the golf ball from the volcano. This may take some effort or some help from an adult. Be careful not to crack or break your volcano.
9. Take your icy volcano to a safe place and use your pipette or syringe to squirt a small amount of vinegar on the top (where the golf ball once was). You should see the magic of your icy volcano coming to life!