



God Made EVERYTHING



Science/Worldview | Level 1
Activity Book

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INTRODUCTION

This introductory science course for young school-age children is designed to bring to light the love, wisdom, and power of God that is evident in His creation. *God Made Everything* presents the amazing way each created thing works perfectly and how all the created things work harmoniously together in a way that only God could have brought forth.

Designed to complement the way God created children to learn, this activity book provides hands-on learning to go along with the auditory presentation and beautiful visuals in the read-aloud textbook.



Beamer, the friendly light beam, visits this activity book as well as the textbook. His love for God's creation shines here too!

The *God Made Everything Activity Book* features 108 activities that involve the senses and muscles yet are designed to be not too burdensome for the parent/teacher. Each branch of science is reinforced with a balance of action, observation, experiments, imagination, logic, Scripture, art, cooking, poetry, math, stories, exercise, music, and a little bit of writing. Each activity reinforces the material introduced in the textbook, and every exercise is numbered for easy reference.

How to Use the God Made Everything Activity Book

God Made Everything is divided into nine units of four chapters each. Each unit has a memory verse and a chil-

dren's hymn that children will have an opportunity to work on while completing the activities.

The *God Made Everything* books are organized in a way to enable children to internalize what they have learned. Learning comes easiest in small doses with time between each session. Children solidify what they have learned as they play. It becomes

permanent as they sleep. To enable this structure of learning, the following schedule is suggested below.

For convenience, this activity book includes a supplies list and answer key.

May the Lord be glorified, and may you be richly blessed as you and your little learners study God's creation in *God Made Everything*!

Suggested Schedule

One chapter per week for 36 weeks.

Day 1	Read aloud the first section of the textbook chapter. Complete the corresponding activity in the activity book (as announced by number at the end of that section of text).
Day 2	Break
Day 3	Read aloud the second section of the textbook chapter. Complete the corresponding activity in the activity book.
Day 4	Break
Day 5	Read aloud the third section of the textbook chapter. Complete the corresponding activity in the activity book.

SUPPLIES LIST

SUPPLIES TO HAVE ON HAND THROUGHOUT THE ACTIVITY BOOK:

- Bible
- Pencil
- Blank paper for artwork, notebook size
- Colored pencils, full selection of colors
- Crayons, full selection of colors
- Pair of scissors
- Glue
- Tape
- Water

CHAPTER 1

- A ball and a wall to roll it against
- An outdoor place with enough objects to bump into
- Flashlight and a dark room or outdoor place
- White card stock for a 6" diameter circle

CHAPTER 2

- A bright light to shine on a wall
- Two large pieces of white paper, at least 11"x14"
- A toy suitable for making a traceable shadow
- Small mirror
- Access to a large wall mirror
- Flashlight and a dark room
- Access to a garden hose and spray nozzle, or a spray bottle

CHAPTER 3

- Styrofoam ball, diameter 3"-6" or a round fruit like an orange
- Skewer
- Pushpin
- Flashlight

CHAPTER 4

- Shovel or spade
- An outdoor place to dig
- An outdoor place to observe nature and beauty
- Clipboard
- Drawing paper, pencil, crayons
- Camera or phone that can take pictures
- Garden clipper
- Flat box or empty egg carton
- Small ball
- Small mirror



CHAPTER 5

- Waterproof marker
- A small bottle or narrow jar that can hold 1/4 cup (2 oz. or 60 ml)
- 1/2 teaspoon baking soda (2-1/2 grams)
- Red and yellow food coloring
- 1/4 cup (2 oz. or 60 ml) vinegar
- Water and dirt
- A place to make mud

CHAPTER 6

- Empty egg carton
- Tray to set egg carton on
- 12 dried beans or a package of bean seeds
- Small magnet
- Small plastic bag that the magnet will fit into
- Access to some dry dirt
- A 9x13x3 baking pan
- 1 hot dog bun
- 1/4 cup (60 g) butter
- A small handful of tiny seeds (cumin, poppy, quinoa, chia)
- 16 oz (450 g) grated cheddar cheese
- 1 10.5 oz (298 g) can of cream of chicken soup
- 3 oz (80g) tortilla chips
- 1/4 cup (40 g) corn meal
- 8 oz (230 g) can of chopped green chiles
- 6 eggs, beaten
- 1 cup (0.25 L) milk
- 1/2 teaspoon (3 g) salt
- Lettuce, finely shredded
- Diced, fresh tomatoes

CHAPTER 7

- A cup, pan, or bucket
- Small mirror
- Spoon

- Facial tissue
- Refrigerator
- Small self-sealing plastic bag
- Blue food coloring
- Empty drinking glass
- Sunny window

CHAPTER 8

- Flashlight
- Blankets, chairs, boxes to build a hibernation den
- A snack
- Pillow

CHAPTER 9

- Votive candle or tea light
- Metal pan
- Glass jar
- Cardboard toilet paper or paper towel tube
- Stapler

CHAPTER 10

- Glass spice jar or small narrow jar
- Funnel
- 3 Tbsp. (24g) ground cinnamon
- 2 tsp. (4g) sugar
- 2 tsp. (4g) ground ginger
- 2 tsp. (5g) nutmeg
- 1-1/2 tsp. (3g) ground cloves
- 1-1/2 tsp. (3g) ground allspice
- An outdoor swing
- A sheet of blue paper
- About 6 cotton balls

CHAPTER 11

- Flashlight
- 2-3 facial tissues
- An opaque marble
- A ball (not shiny)

CHAPTER 12

- A place to take about 10 jumps forward
- Sidewalk chalk or pieces of string to mark 8 increments
- A die to roll

CHAPTER 13

- A shallow dish
- 2-3 root vegetables (carrot, beet, turnip, etc.)
- Sharp knife
- Bright window
- Clear drinking glass or jar
- Stalk of celery
- Blue or red food coloring

CHAPTER 14

- Pots, egg carton, and plastic containers to plant seeds in
- Potting soil or dirt
- Seeds—purchased or saved from foods
- Four envelopes
- Two glasses of water or juice

CHAPTER 15

- Five cotton swabs
- Selection of fresh green leaves

CHAPTER 16

- Nothing extra

CHAPTER 17

- Two or three small plastic containers with lids
- Cotton swab
- A piece of stiff paper
- Magnifying glass
- A stiff comb

CHAPTER 18

- A messy room to clean up

CHAPTER 19

- Nothing extra

CHAPTER 20

- Large frying pan
- Stove
- Three hard-backed chairs with posts
- Spool of thread
- Sequins

CHAPTER 21

- Two uninflated balloons
- Two of the same kind of coin
- Waterproof marker
- Bucket

CHAPTER 22

- Large adult t-shirt
- Pillowcase
- Sturdy rubber band
- Plastic bag to fit child's spread hand

CHAPTER 23

- Nothing extra

CHAPTER 24

- A sheet of aluminum foil
- Purchased modeling dough, or
- Homemade dough made with:
 - 1 c. (125g) flour
 - 1/4 c. (75g) salt
 - 3T. (45ml) lemon juice
 - 1T. (15ml) cooking oil
- Water based paint (optional)

CHAPTER 25

- Nothing extra

CHAPTER 26

- Popped popcorn
- Small bowl
- Cardboard egg carton with tall pointed dividers
- A sturdy pair of scissors
- Broom stick
- Two stacks of books 6" tall
- An egg
- 3/4 cup (170 g) butter, at room temperature
- 1/4 cup (50 g) sugar
- 1/2 teaspoon (2.5 ml) pure vanilla extract
- 1 3/4 cups (240 g) all-purpose flour
- 1/2 teaspoon (3 g) salt
- 1 egg beaten
- 1/2 cup (50 g) shredded coconut
- 5 ounces (150 g) jelly beans
- Cookie making supplies

CHAPTER 27

- Compass for finding north
- Sidewalk chalk or a stick for marking on the ground

CHAPTER 28

- Vegetable oil
- A bottle of honey

CHAPTER 29

- A ripe pear or kiwi
- A box of toothpicks
- Eleven raisins
- A plate

CHAPTER 30

- A one gallon (4L) container

CHAPTER 31

- Baking sheet
- Baking parchment
- Sharp knife
- Oven
- Fresh fruit like berries, cherries, apples, peaches, apricots, pears, or bananas

CHAPTER 32

- Access to a recording of "Baby Elephant Walk" by Henry Mancini
- Access to a playground bar or tree branch the child can grab

CHAPTER 33

- Nature pictures from magazines or the internet
- Ink pad for making fingerprints

CHAPTER 34

- Large area for a game of tag
- Smaller area for tag. It would need boundaries so you can say, "Stay on the grass" or "Stay on the basketball court."
- A snack

CHAPTER 35

- Measuring tape
- Bathroom scale
- Glass of water
- Roll of paper towels at least half full

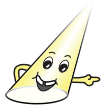
CHAPTER 36

- Yardstick or broomstick
- String
- 10-20 white pipe cleaners

ACTIVITY 1

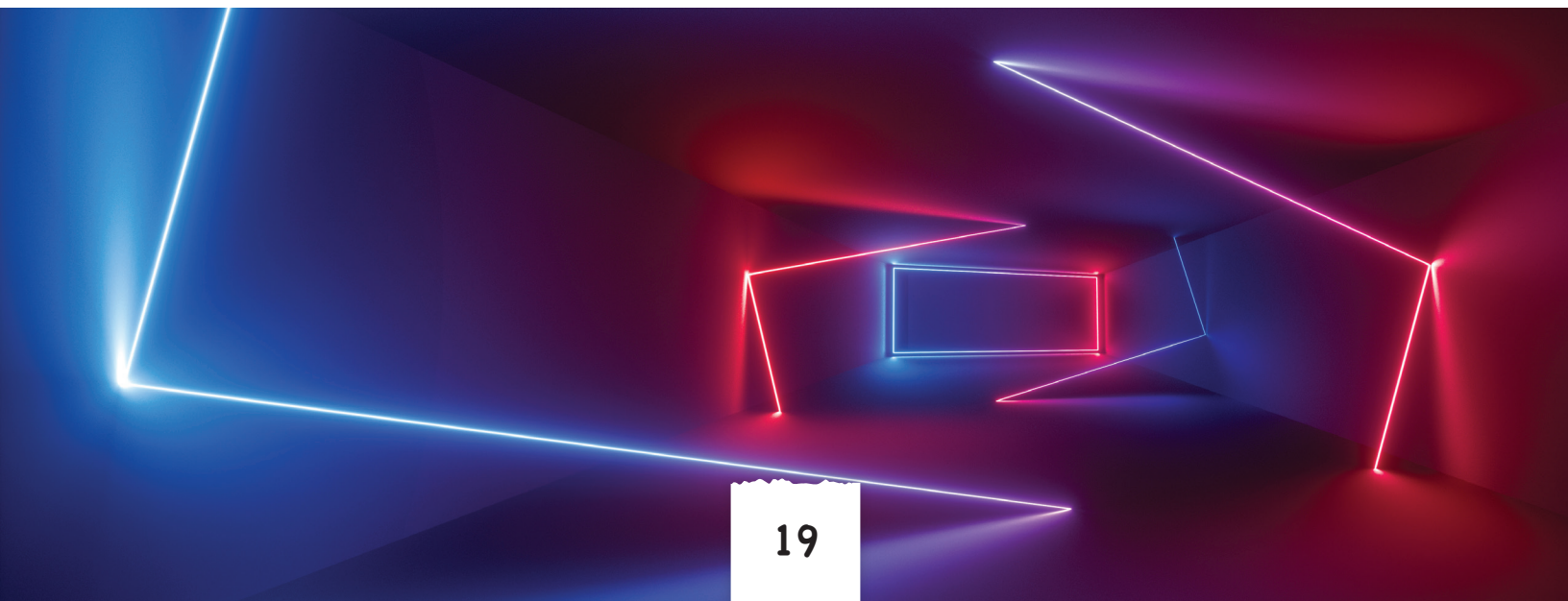
Bouncing off the Walls and Everything!

Light bounces off things the same way a ball does. If you roll a ball straight at a wall, it comes straight back to you. If you roll it a little sideways (we say at an angle), it will leave the wall at an angle. If you roll a ball at a bumpy rock, it will not come straight back because of the angles of the rock.



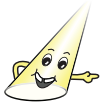
Try rolling a ball against a wall at different angles. Try rolling it against objects with different shapes.

Now let's pretend to be light. Remember, light usually travels in a straight line. When it hits something, it bounces off and keeps traveling in a straight line until it hits something else. This happens many times and is the way light spreads and wins over the dark.

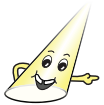




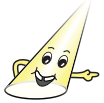
Pretend to be light. Walk around the room, slowly bouncing off walls and furniture. Think about the angles light would bounce off things. (It bounces the same as a ball.)



Since light is fast, go outside where you can run. Pretend to be light. Be careful when you bounce off things!



Sing the hymn for this unit.



Write or repeat the memory verse for this unit.

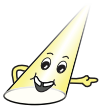


Memory Verse

Arise, shine,
for your light has come!
And the glory of the Lord
is risen upon you.
(Isaiah 60:1)

ACTIVITY 1: BOUNCING OFF THE WALLS AND EVERYTHING!

Handwriting practice lines consisting of multiple sets of three horizontal lines (top solid, middle dashed, bottom solid) for tracing and writing practice.

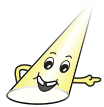


Thank God for His goodness in making beautiful light!

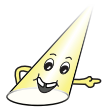
ACTIVITY 2

Light to Warn and Guide

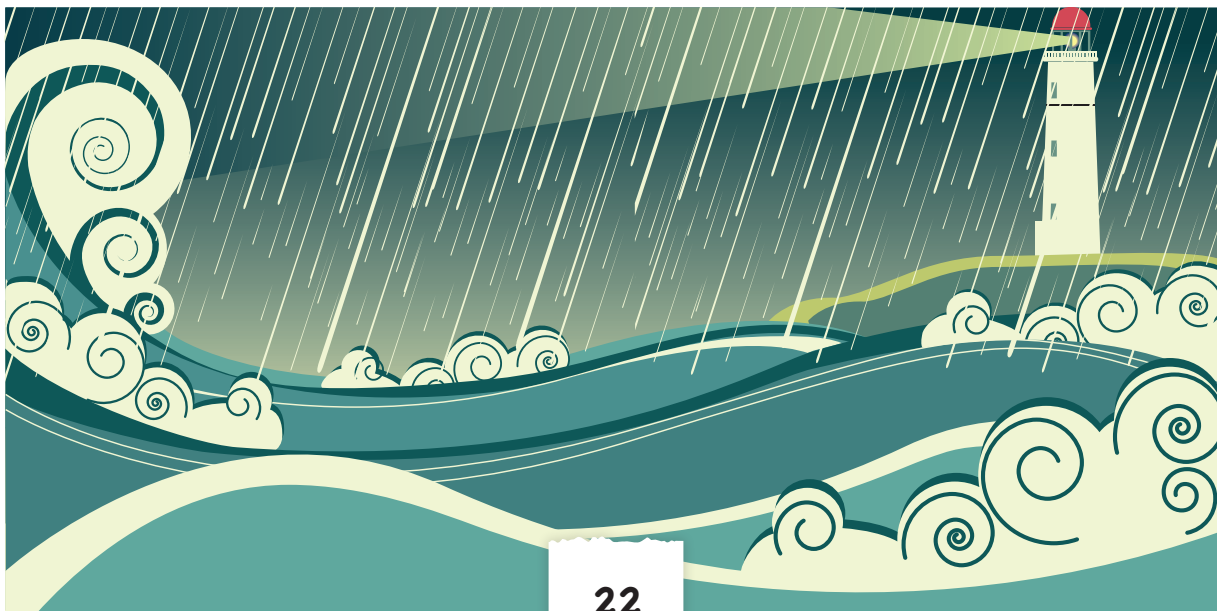
Your word is a lamp to my feet and a light to my path. (Psalm 119:105)



Go to a dark room or a dark outdoor place with a flashlight. Turn on the flashlight so you can see where to walk. Now turn it off and see how hard it would be to walk safely in the dark. God's Word is a light to us. It warns us of dangers and shows us how to live.



Five boats were lost on the sea. Three of them saw the light beam from a lighthouse and have gone to safety. How many of them have not seen the light beam yet? _____ Draw them in the picture below.

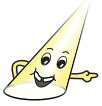




Sing the hymn for this unit.



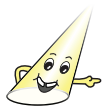
Repeat the memory verse for this unit.



Thank God for giving us His Word to lead and guide us.
Thank Him for the safety light gives.

ACTIVITY 3

Color

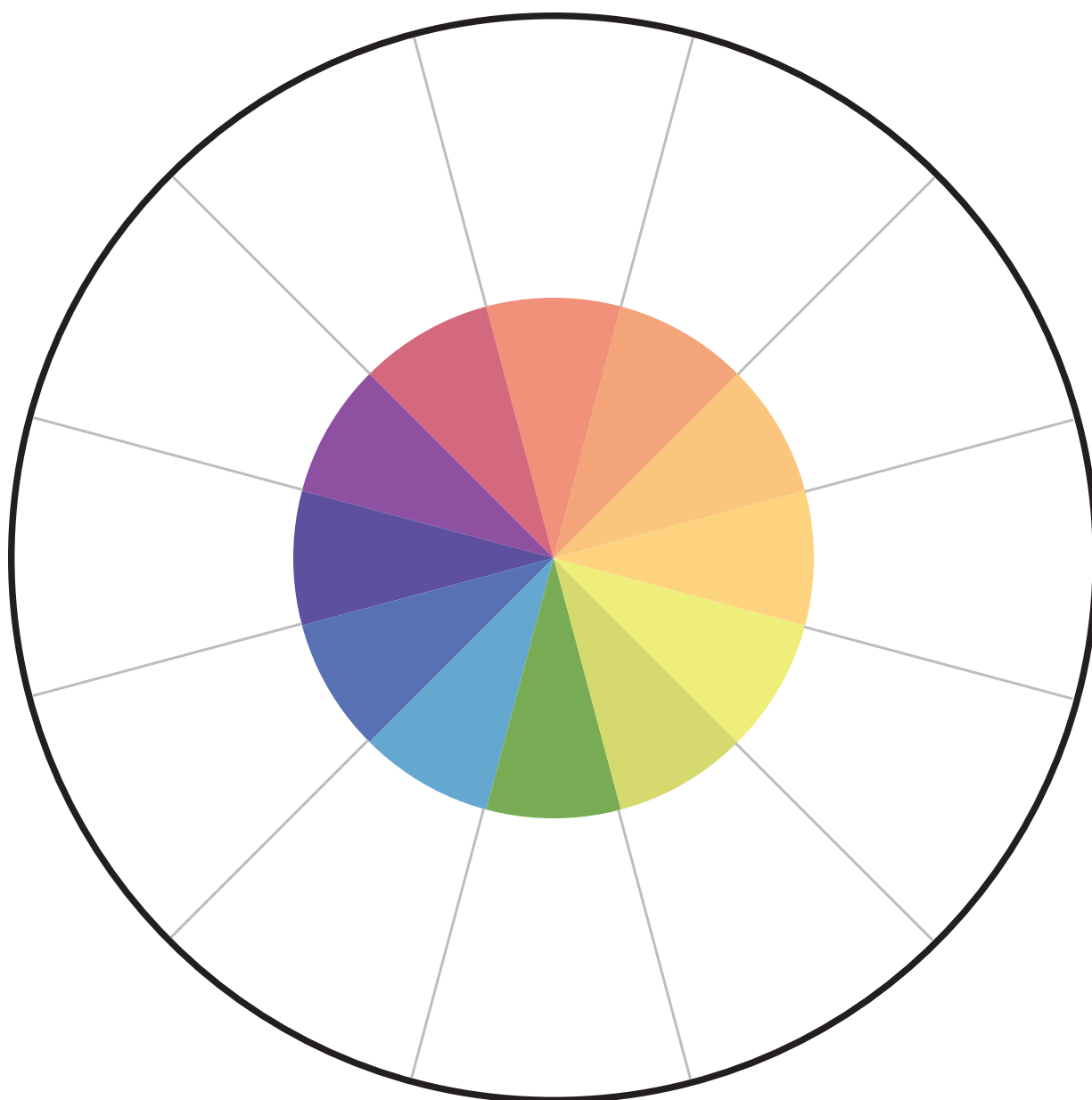


Even though light looks white to us, it has every color inside it. Let's make a color spinner to show this.

Color Spinner

1. Tear out the page with the colored circle.
2. With crayons, finish coloring each pie-shaped piece in the same color.
3. Cut out your colored circle.
4. Cut a circle of the same size out of a piece of white card stock.
5. Glue your colored circle onto the card stock.
6. With help, push a pencil through the center of the circle so the point is on the bottom.
7. Take the spinner outside where God's light gives us all the colors. A shady spot works best. Spin the pencil as fast as you can between your hands or like a top. An adult may have to spin it faster than you can so that you don't see the separate colors. You may need to apply glue where the pencil pokes through the circle to keep it from slipping when you spin it.

1. What color is the circle when it is spinning fast?



A horizontal bar at the top of the page composed of 15 colored squares: orange, light green, teal, brown, orange, blue, light purple, light green, red, yellow, cyan, brown, black, red, light blue, purple, and blue.

GOD MADE EVERYTHING

A horizontal bar below the title composed of 15 colored squares: orange, light green, teal, brown, orange, blue, light purple, light green, red, yellow, cyan, brown, black, red, light blue, purple, and blue.

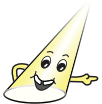
2. Why do you think this is?

(Don't worry if it looks a little brown. Your colors may not be pure.)

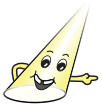
3. What is your favorite color? Write or color it here:



Sing the hymn for this unit.



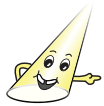
Repeat the memory verse for this unit.



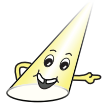
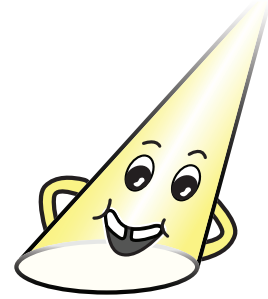
Thank God for beautiful colors. Thank Him for something that is blue. Find something for each color on your spinner and thank Him for all these beautiful things.

ACTIVITY 4

Shadows



Why doesn't Beamer see his shadow?



On a sunny day, go outside in the middle of the day. Look at your shadow. Where is it? Go back outside late in the day. Look at your shadow again. Is it in the same place as it was in the middle of the day? Circle the picture below that was taken around lunch time.

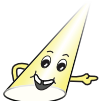




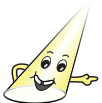
Let's make a silhouette (an outline filled in with black or another color). You will need a bright light and a large toy.

Make a Silhouette

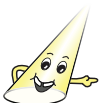
1. Set a bright light on a table so it can shine on a wall.
2. Tape a large piece of paper to the wall on a level with the light.
3. Put a large toy on the table in front of the light so that it casts a shadow on the paper. You may need to move the toy around until you get a good edge to the shadow.
4. Use a pencil to trace the toy's shadow on your paper.
5. Take down the paper and color the inside of your outline.
6. You may want to ask someone to trace the shadow of your head's side view on another piece of paper so you have a silhouette of yourself at this age.



Sing the hymn for this unit.



Repeat the memory verse for this unit.



Thank God for cool shade in summer. Thank Him for His shadow of protection.

