



Grades 4 and up

# Science in the Beginning

curriculum by Jay Wile

Binder-Builder by AJTL

Days 1 & 2



DR. JAY WILE  
Science  
IN THE BEGINNING



A Journey Through Learning  
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This binder-builder is especially made to go along with  
**Science in the Beginning**  
curriculum by Jay Wile

It was created with his blessing!

See all of Jay Wile's science products at  
[www.drwile.com](http://www.drwile.com)

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## Acknowledgments

Special thank you to Jay Wile for permission to use his wonderful book *Science in the Beginning*.

Also for his valuable input and editing of the original manuscript.

*Science in the Beginning* is published by Berean Builders.

**SAMPLE PAGE**

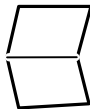
## Materials Needed

### What you need to get started

- \*A printed copy of the Science in the Beginning Binder-Builder™ by A Journey Through Learning
- \*A Printed copy of Science in the Beginning book
- \*90 pieces of 8.5 x 11 colored cardstock
- \*3 inch 3-ring binder with clear sleeve on the front
- \*Scissors
- \*Glue (We recommend Zip Dry Glue)
- \*Hole puncher
- \*Brads
- \*Stapler
- \*Crayons and/or colored pencils
- \* 5 tabs- Label your tabs: Key Person, Vocabulary, Experiment, Books, Memory Work

## Terminology used throughout Binder-Builder™

**Hamburger Fold**- Fold horizontally



**Hotdog Fold**- Fold vertically



**Folds**- Sometimes labeled with a small line to show where the fold is.

**Dotted Lines**- These are the cutting lines.

**Cover Labels**- Some of the booklets will have a cover label that will need to be glued to the top to cover a blank space.

## What is a Binder-Builder?

A Binder-Builder is a new name for an old concept! It is simply taking a 3-ring binder and colored cardstock and turning it into a wonderful showcase of your child's learning year!

## How Do I Use it With Science in the Beginning?

The *Science in the Beginning* book is broken up into 6 units. Each unit has 15 lessons. By using the Binder-Builder along with this wonderful program, you will be able to bring and gather so much of what your child is learning and store it into one fun-packed binder! No more lost papers. In one location your child will store journal pages, reports, experiments, and more!

This product is meant to be fun, NOT stressful. So use it to enhance your learning experience. Feel free to tailor the booklets to your child. Some days you can simply draw instead of write. Or find the information on the internet and glue it onto the booklet. The choice is YOURS! Each unit has two or more fun booklets to complete. So, gather the kids and let the learning begin!

## How Do I Set Up My Binder-Builder?

Gather your pieces of cardstock and 3-hole punch them. Next, in the lower right-hand corner number your cardstock from 1-90. Place in 3-ring binder. Add your 5 labeled tabs behind the cardstock. You will store all of your worksheets behind these tabs.

The front of the first page will have your cover sheet glued to it. The first page of each lesson is a Journal page. We have created **TWO different forms**. One for younger kids and one for older. **Choose the one best for your child.** This sheet will be glued to the **back** of your cover sheet. The **booklets** for your **first** lesson will then be glued to the **front** of your **second** page. This lay-out allows you to view anything for the unit you are studying at the same time! You will follow this process throughout the entire binder-builder.

Located at the top right corner of each page, you will find the lesson and unit where it can be found in your book. Each page will also have all directions for the construction of the mini-booklet, pages to read, and what your student will record in the mini-booklet to show what is learned. A small key is also here to show you where to glue each mini-booklet onto the card stock.

Each chapter has a memory verse that should be memorized by your child. At the beginning of each **unit (there are 6 units and 6 memory verses for the book)** you will find the memory verse written as copy work. To use the page over and over, slip it inside of a page protector. Let your child use a dry-erase marker to practice writing the verse.

Also at the beginning of each **unit (15 lessons in each unit)** you will find a master form for: Key Person, Vocabulary words, Experiments, Memory Work, and Book List. Please make as many copies of these forms as you need for each lesson.

Cover Sheet- Cut out the cover sheet. Glue it to the FRONT OF THE FIRST page of your cardstock. Fill out your information.

# Science in the Beginning

This Binder-Builder Belongs to:

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School Year:

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# Table of Contents

## Lessons 1-15 Science in the First Day of Creation Week

1. Let There Be Light
2. The Colors in Creation
3. Absorbing and Reflecting
4. Light and Energy
5. Learning More About Light That is Reflected and Absorbed
6. Energy Conversion in Creation
7. More on the Law of Energy Conservation
8. The Light You Don't See
9. How the Human Eye Sees
10. Reflection, Absorption, and What Else?
11. How the Amount of Light Affects What You See
12. Guiding Light
13. Light Can Carry Information
14. Refraction
15. Refraction and Magnification

SAMPLE PAGE

# Report Forms

**Key Person** report form. Please make as many copies of this form as you need. Use this form to research any inventor that you would like to learn more about.

**Vocabulary Words** report form. Please make as many copies of this form as you need. Use this form to write down any words you do not know and would like to learn.

**Experiment Sheet** form. Please make as many copies of this form as you need. Use this form to write down the experiments for each lesson.

**Memory Work** form. Use to practice writing your memory verse.

**Book List** form. Please make as many copies of this form as you need. Use this form to write down any extra books that you use in each lesson.

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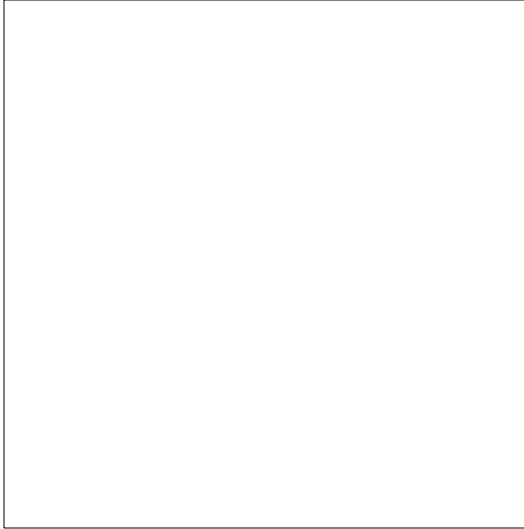


Place behind your **Key Person tab** when you are done.  
Make as many copies of this page as you need.

**Lesson:**  
**The First Day of Creation**  
**Key Person**

Name: \_\_\_\_\_

Draw or glue a picture of the  
**inventor** here.



Date of Birth: \_\_\_\_\_

Date of Death: \_\_\_\_\_

This person was famous or remembered for:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Draw or glue a picture of the  
**invention** here.



Tell about the invention.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SAMPLE PAGE**

Place behind your **Vocabulary tab** when you are done.  
Make as many copies of this page as you need.

### The First Day of Creation Vocabulary Words

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**SAMPLE PAGE**

Place behind your **Experiments tab** when you are done.  
Make as many copies of this page as you need.

**Lesson:**

**The First Day of Creation**

**Experiment:**

**Materials Needed:**

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**What I Did:**

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**What I Learned:**

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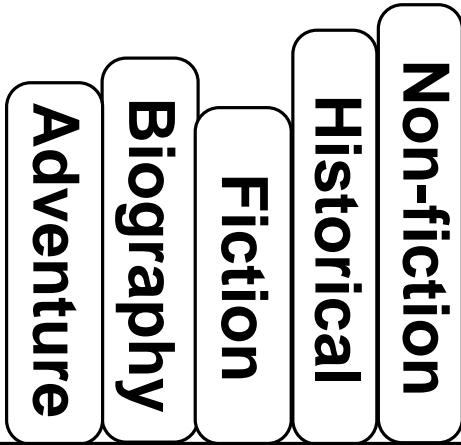
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**SAMPLE PAGE**

Place behind your **Book tab** when you are done.  
Make as many copies of this page as you need.



**Lesson:**  
**The First Day of Creation**

Date	Genres	Title & Author

**SAMPLE PAGE**

Place behind your **Memory tab** when you are done.

**1. Let There Be Light  
The First Day of Creation**

Genesis 1:2-3

2 the earth was formless and void, and darkness was over the surface of the deep, and was the Spirit of God was moving over the surface of the waters.

3 Then God said, "Let there be light;" and there was light.

**SAMPLE PAGE**

This is the form for OLDER KIDS. Cut out and glue to the back of page 1.

Journal Page 1  
(older kids)

**1. Let There Be Light**  
**Day 1-The First Day of Creation**

What does it mean for light to reflect off something?

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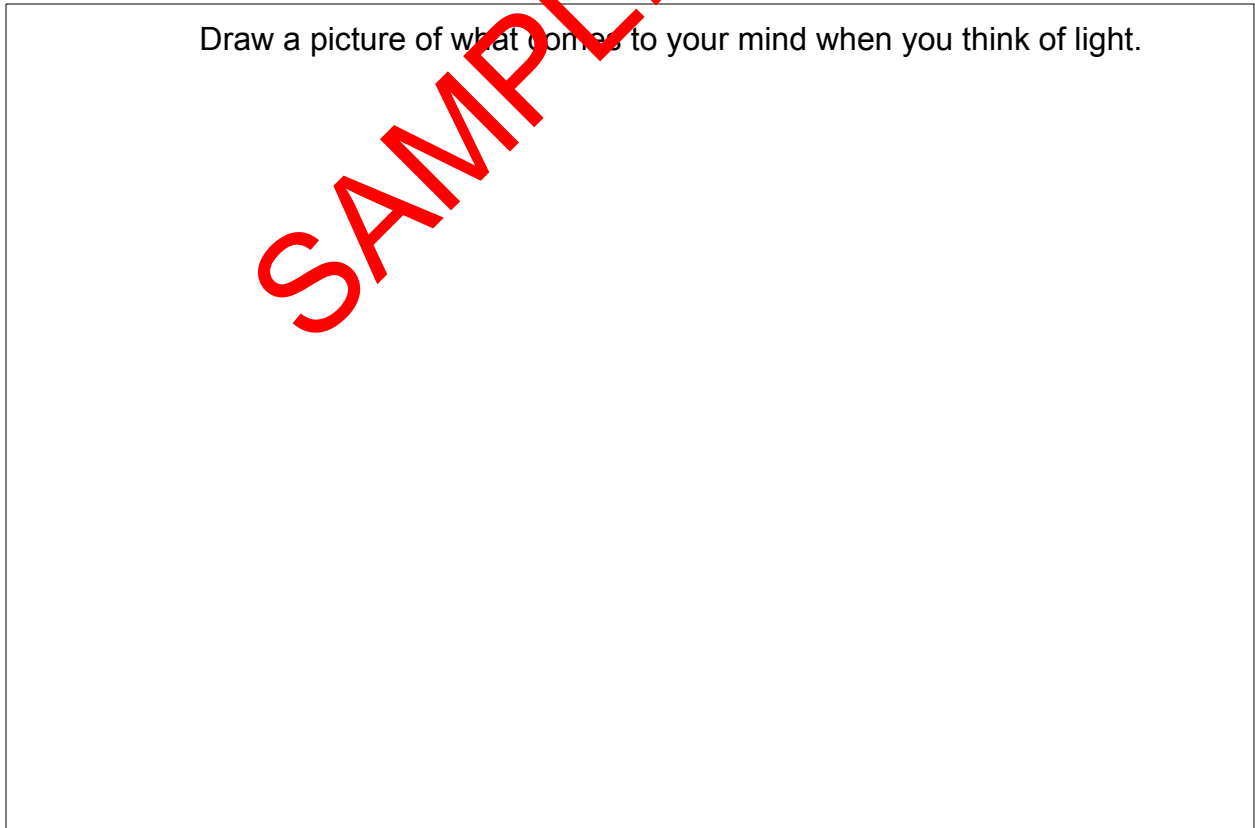
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Draw a picture of what comes to your mind when you think of light.



This is the form for OLDEST KIDS. Cut out and glue to the back of page 1.

Journal Page 1  
(oldest kids)

**1. Let There Be Light  
The First Day of Creation**

What does it mean for light to reflect off something?

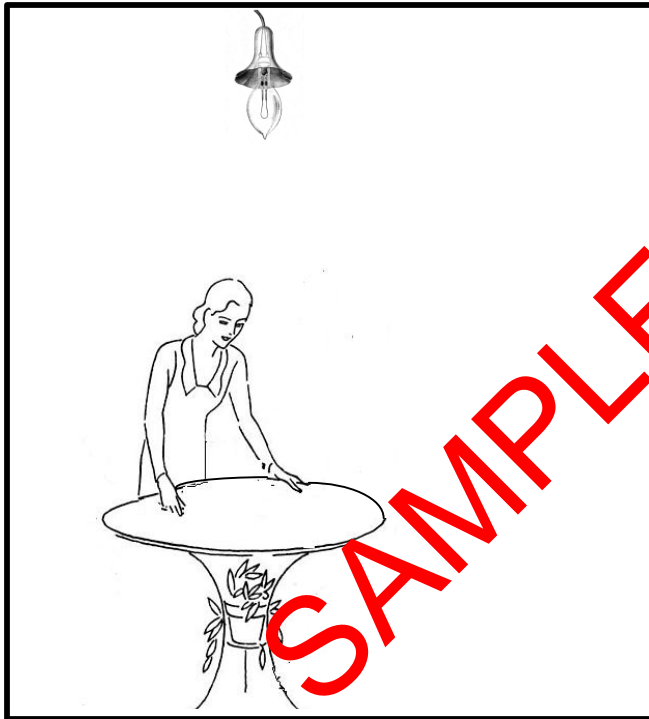
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Follow the directions in your book for the drawing.



Explain why light allows the person to see the tower?

**SAMPLE PAGE**

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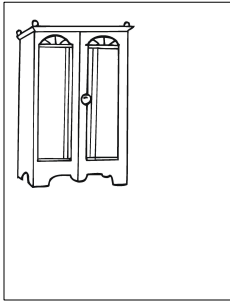
What would happen if the light was turned off?

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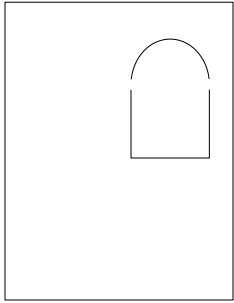
**Read Lesson 1.**

Cut out the booklet as one piece. Cut on the gray lines. These lines will allow the “closet” doors to open and close. Place glue around the edges of the **back** of the booklet. Glue onto the front of page 2. Do not glue down the doors. You should be able to open and close them.

**Directions:** Inside of the closet, tell what you experienced.







**Read Lesson 1.**

Cut out each piece on this page. Fasten together at the top with a brad (or staple). Glue onto the front of page 2.

**Directions:** Inside of the booklet, write what you have learned.

**What does it mean for light to reflect off of something?**



**SAMPLE PAGE**

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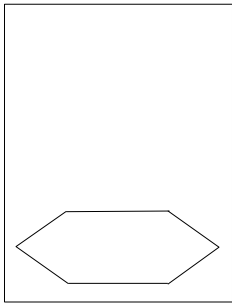
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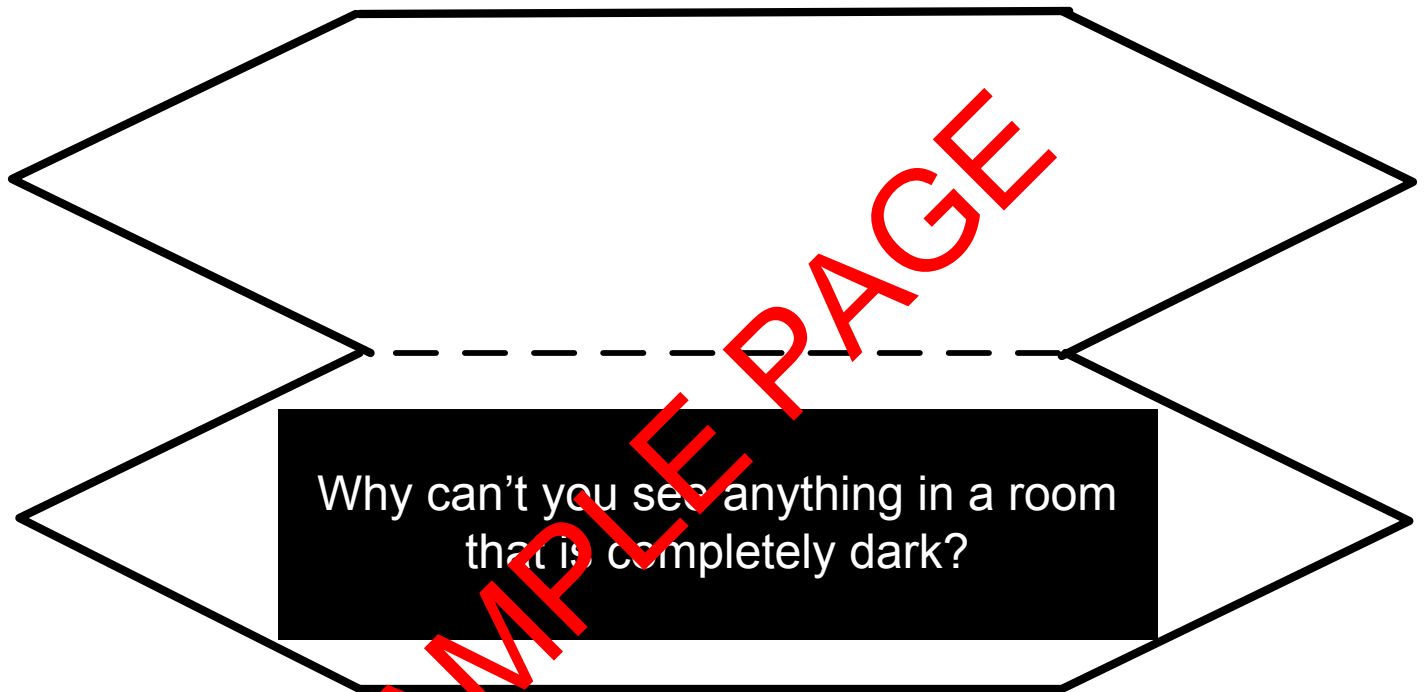
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**Read Lesson 1.**

Cut out the booklet as one piece. Fold in half. Glue onto the front of page 2.

**Directions:** Inside of the booklet, write what you have learned.



SAMPLE PAGE

This is the form for OLDER KIDS. Cut out and glue to the back of page 2.

Journal Page 2  
(older kids)

**2. The Colors in Creation  
The First Day of Creation**

Explain how using an acronym helps you remember the basic colors of the rainbow

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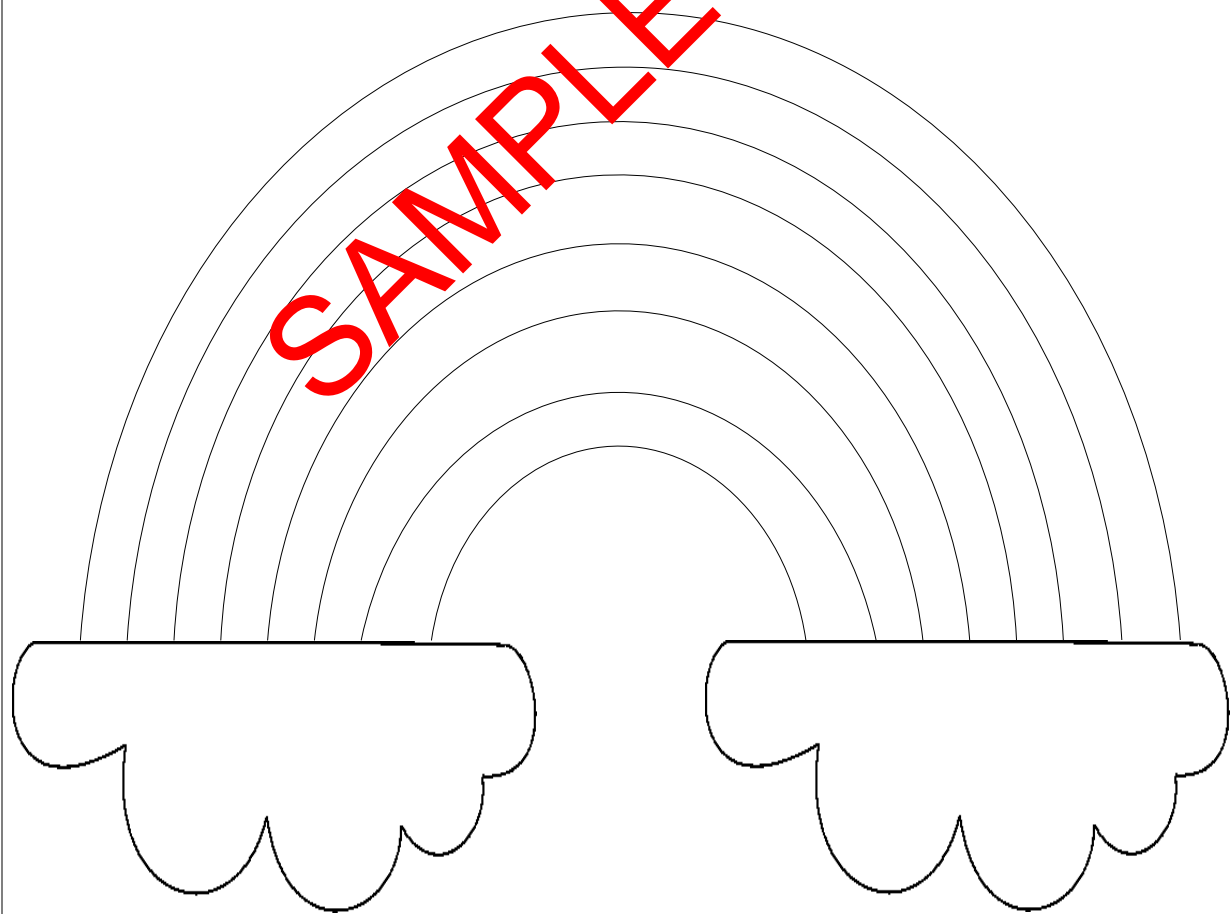
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Color the rainbow the correct colors.

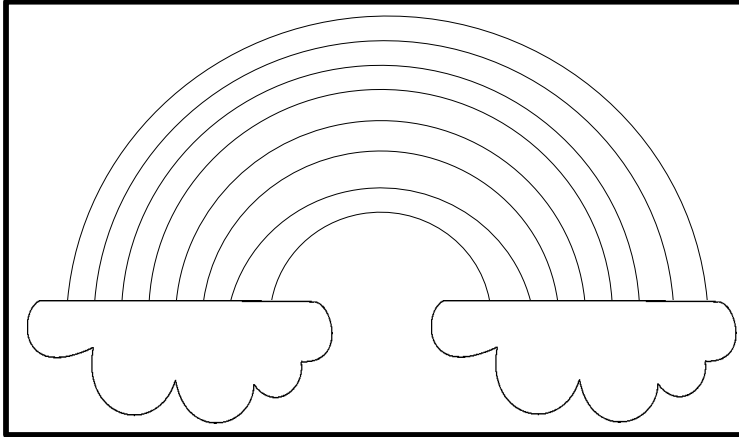


This is the form for OLDEST KIDS. Cut out and glue to the back of page 2.

Journal Page 2  
(oldest kids)

## 2. The Colors in Creation The First Day of Creation

Color the rainbow the correct colors.



Explain how using an acronym helps you remember the basic colors of the rainbow.

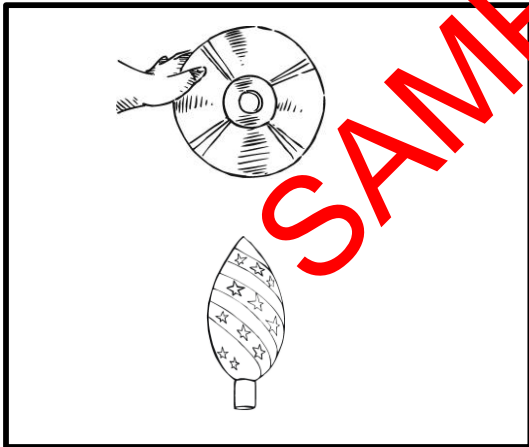
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Suppose that you used a red Christmas tree light instead of a candle. Would you still see the rainbow? Explain your answer.



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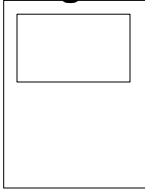
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**Read Lesson 2.**

Cut out the two pieces. Stack with title piece on top. Staple together at the top. Glue onto the front of page 3.

**Directions:** On the second sheet answer the question.

Where did all the  
colors on the earth  
come from?

SAMPLE PAGE

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**Read Lesson 2.**

Cut out the booklet. Glue onto the front of page 3.

**Directions:** Write the name of the color next to the letter.

# Mr. White's Light

R

O

Y

G

B

I

V

SAMPLE PAGE

This is the form for OLDER KIDS. Cut out and glue to the back of page 3.

Journal Page 3  
(older kids)

### 3. Absorbing and Reflecting The First Day of Creation

What do the seven arrows that you drew in the drawing represent?  
What does the red arrow hitting the person's eye represent?

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Follow the directions in your book for the drawing.



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This is the form for OLDEST KIDS. Cut out and glue to the back of page 3.

Journal Page 3  
(oldest kids)

**3. Absorbing and Reflecting  
The First Day of Creation**

How does the drawing show why the rose appears red to the person who is looking at it?  
What happens to the other colors?

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Follow the directions in your book for the drawing.



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**SAMPLE PAGE**