



# Activity Packet

A collection of resources aligned to the theme of Inquiry



Any time you ask a question to get information and begin a journey to learn new things—that's inquiry! Let your curiosity blossom as you ask questions and discover new things.

## This packet includes a:

- Inquiry classroom activity
- Inquiry home activity
- Inquiry recommended booklist

We recommend you print and copy the home activity and recommended booklist pages to send home to extend Rally to Read 100 and encourage continuous learning!

For more reading fun, visit [RallytoRead.org](https://RallytoRead.org).

## Walking Water Rainbow

- This activity utilizes inquiry to explore liquid’s ability to defy gravity, through the same process used when climbing from the roots to the leaves of a plant.
- This activity is designed to be completed as a whole class.
- Materials: 5 clear cups, paper towels, and food dye

### Steps

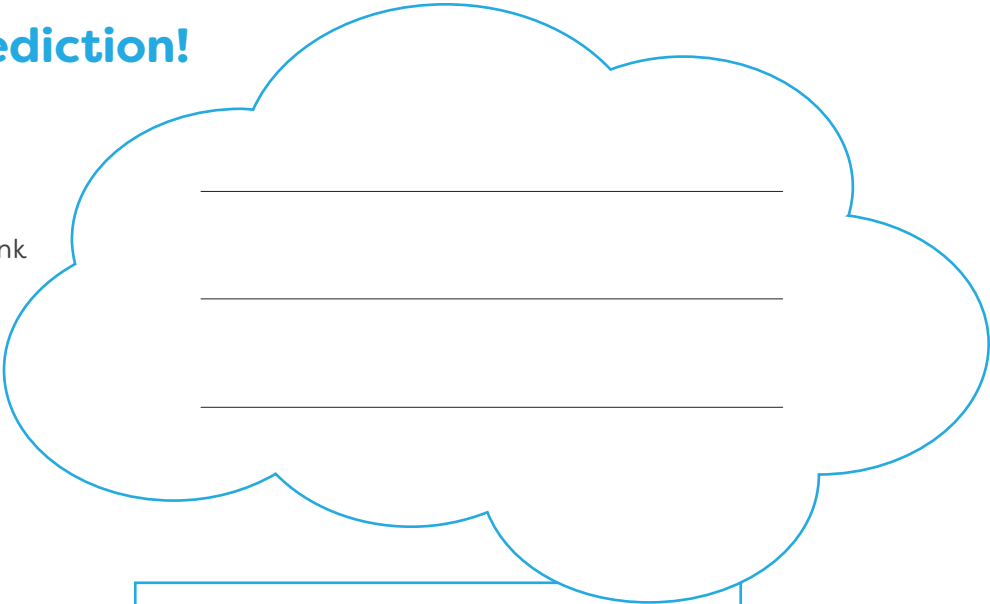
1. Prepare your materials by ripping off 4 pieces of paper towel and fold them lengthwise. Make sure your paper towels can reach from the bottom of one cup to the other.
2. As a class, put red food coloring in one cup, blue in the next, and yellow in the last. Place an empty cup between each cup with water and food coloring.
3. Place the end of one paper towel in the red cup and extend it into an empty cup. In the empty cup, place another paper towel and extend it into the blue cup. Do the same with the rest of the cups until you have paper towels connecting each cup.
4. Using the Make a Prediction! template provided, have students write down what they think will happen.
5. Watch as the water travels up the paper towels into the neighboring cups, creating new colors.
6. Refer back to students’ predictions and complete the Make a Prediction! template.



# Make a Prediction!

### Prediction

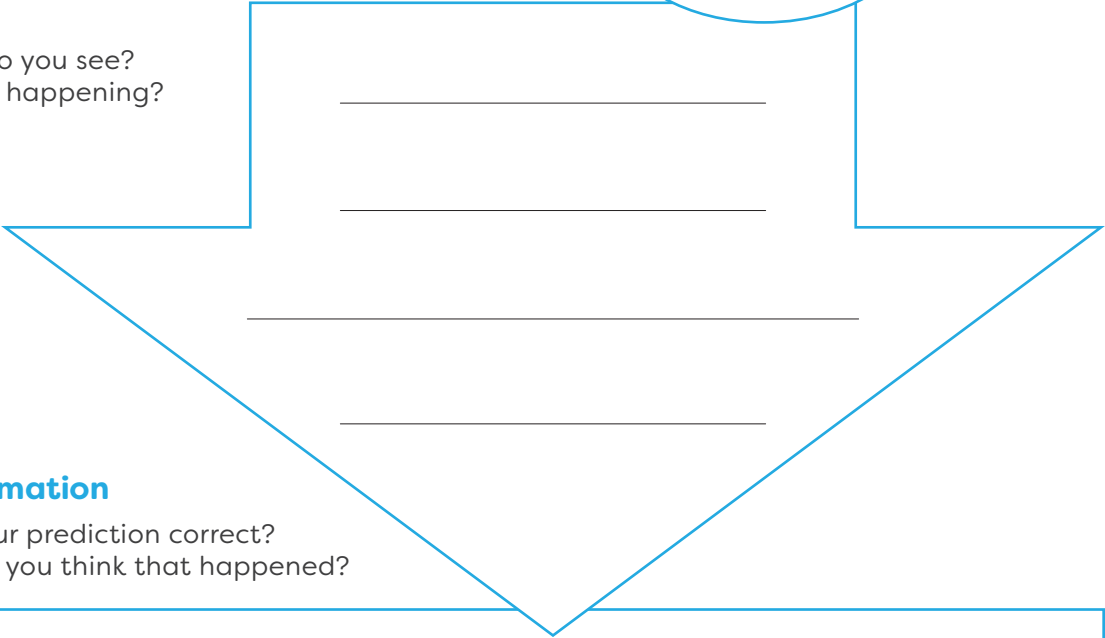
What do you think will happen?



Three horizontal lines for writing a prediction.

### Clues

What do you see?  
What is happening?



Four horizontal lines for writing clues.

### Confirmation

Was your prediction correct?  
Why do you think that happened?



Three horizontal lines for writing confirmation.



## Theme: Inquiry | Home Activity

Our class is learning about inquiry with literacy resources from Reading Is Fundamental. Complete this activity with your child to help deepen their understanding of inquiry.

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### My Imaginative Invention

In this activity, you and your child will have the opportunity to use inquiry to create an imaginative invention.

#### Steps

1. Begin by asking your child to share with you what they have learned about inquiry and inventions at school and/or in books they have read. You may want to take a look at RIF's recommended book list for books about inquiry and read one of them together.
2. Have your child imagine they are a scientist or engineer using inquiry and imagination to answer a question or solve a problem. What could they create to improve the world or help others?
3. Using the Imaginative Invention template provided, have your child draw a picture of their invention and write a brief description about what it is, what it does, and how it could help others.



# My Imaginative Invention

My invention is called: \_\_\_\_\_

What does your invention look like?

Tell us about your invention!

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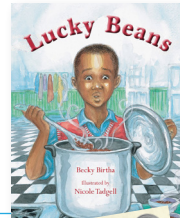
**Reading Is Fundamental** has curated a list of books to help children further explore the theme of inquiry. Use this recommended book list to help your students/children continue their discovery about this topic in school and at home. For additional activities for the books listed, please visit [RIF.org/Literacy-Central/Collections/Rally-Read-Inquiry-Collection](https://www.rif.org/Literacy-Central/Collections/Rally-Read-Inquiry-Collection).

*View read-alouds of titles in blue on [RallytoRead.org](https://www.RallytoRead.org) this month.*



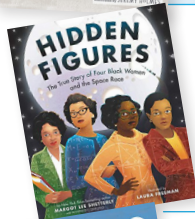
**Mazie's Amazing Machines**

Author: Sherly Haft  
Illustrator: Jeremy Holmes  
Grades: PK-3



**Lucky Beans**

Author: Becky Birtha  
Illustrator: Nicole Tadgell  
Grades: 2-4



**Hidden Figures**

Authors: Margot Lee Shetterly & Winifred Conkling  
Illustrator: Laura Freeman  
Grades: 3-6



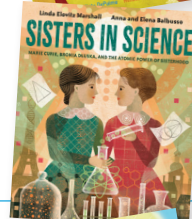
**The Bread Pet: A Sourdough Story**

Author: Kate DePalma  
Illustrator: Nelleke Verhoeff  
Grades: K-3



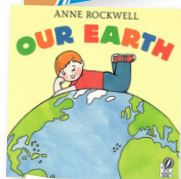
**The Boy Who Harnessed the Wind**

Authors: Bryan Mealer & William Kamkwamba  
Illustrator: Elizabeth Zunon  
Grades: 3-5



**Sisters in Science: Marie Curie, Bronia Dluska, and the Atomic Power of Sisterhood**

Author: Linda Elovitz Marshall  
Illustrators: Anna & Elena Balbusso  
Grades: PK-3



**Our Earth**

Author & Illustrator: Anne Rockwell  
Grades: K-2



**I Like the Sun**

Author: Sarah Nelson  
Illustrator: Rachel Oldfield  
Grades: PK-2



**Simple Machines: Wheels, Levers, and Pulleys**

Author: David A. Adler  
Illustrator: Anna Raff  
Grades: 3-5



**National Geographic Little Kids First Big Book of Science**

Author: Kathleen Zoehfeld  
Grades: PK-K

**BARNES & NOBLE**  
Storytime Pick

**Noticing**  
Author: Kobi Yamada  
Illustrator: Elise Hurst  
Grades: PK-3

- Discussion questions for any recommend book listed above:**
1. Why was the invention in the book created?
  2. How would the world be different if this invention was never created?
  3. How does this book tell us about science and inquiry?
  4. What do you think are some of the best science experiments and inventions?
  5. If you could invent something, what would you make? What purpose would it have?