

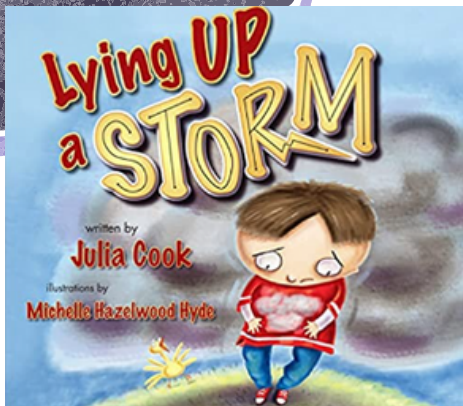
# CONNECTIONS TO SCIENCE GUIDES

GEORGIA YOUTH SCIENCE & TECHNOLOGY CENTERS, INC.

## LYING UP A STORM

BY: JULIA COOK

CAN'T FIND THE BOOK?  
READ-ALOUDS ARE AVAILABLE  
ON YOUTUBE.



### ASK

- Why is it important to be honest?
- What is weather?
- How does rain form?
- How does the process change with temperature?
- Have you ever thought about being a meteorologist?

### EXPLORE

#### SHAVING CREAM STORMINESS

##### Materials:

- clear glass
- water
- foam shaving cream
- pencil or straw
- food coloring

##### Directions:

- Fill a clear glass with water about 3/4 full.
- Add a shaving cream cloud to the top of the water.
- Poke 2-3 holes in the cloud with your pencil or straw.
- Add 2-3 drops of food coloring to each hole.
- Observe.
- As you are modeling your rain cloud, think about:
  - How does rain form and fall?
  - How does this process change with temperature?

##### Fun Facts:

- The least rainy place on Earth is Antarctica.
- Raindrops are shaped like hamburger buns as they fall due to air flow and surface tension.



## EXPLAIN WEATHER

Water evaporates from Earth's surface and rises into the atmosphere. This water vapor cools and condenses to form clouds. As more and more water droplets form, they get heavier. When they get too heavy, they fall to Earth as rain.



## EXTEND WEATHER BY TINYBOP



This interactive educational app allows you to learn all about the science of weather including rain, tornadoes, snow, hurricanes, and more!

*\$2.99 on the App Store*

## STEM CAREER METEOROLOGIST

A meteorologist is an atmospheric scientist who studies, reports on, and forecasts the weather and climate. At work, meteorologists compile data, prepare reports and forecasts, and help develop new weather instruments. If you are interested in the weather, being a meteorologist might be for you!



## BACKGROUND

The Georgia Youth Science and Technology Centers, Inc. provides quality programs for teachers of STEM subjects that improve the teaching and learning process at the kindergarten through eighth grade levels. We present programs that change students' perceptions and inspire an appreciation for science, technology, engineering, and mathematics subjects.

## ABOUT US

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