

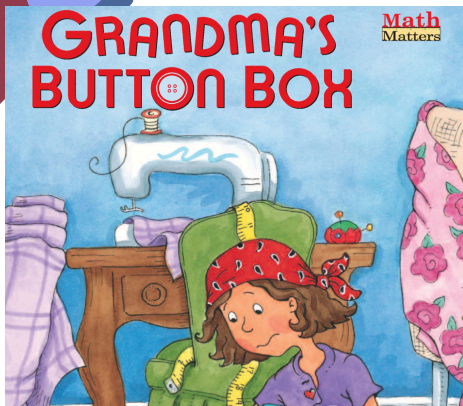
CONNECTIONS TO SCIENCE GUIDES

GEORGIA YOUTH SCIENCE & TECHNOLOGY CENTERS, INC.

GRANDMA'S BUTTON BOX

BY: LINDA WILLIAMS ABER

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



HAVE YOU EVER NOTICED...

- that the items in a store are arranged or sorted in like groups?

HAVE YOU EVER WONDERED...

- how you could use physical attributes (color, size, shape, weight, and texture) to organize objects?

EXPLORE

GRANDMA'S BUTTONS

Materials:

- Various buttons or objects (i.e., candy, etc.)
- A piece of paper
- Glue

Directions:

- Begin by observing the buttons or objects:
 - What physical attributes can you see (i.e., color, size, shape)?
 - What physical attributes can you touch (i.e., weight, texture)?
- Choose one physical attribute to sort the buttons (i.e., color).
- Sort the buttons.
- As you are exploring, think about:
 - Is there another way that I can sort the buttons?

Connection to Art:

- Once you have sorted your buttons or objects, use them to create a picture by gluing them on to a piece of paper.



EXPLAIN

PHYSICAL ATTRIBUTES

Scientists use the physical attributes of objects to classify them. Physical attributes are characteristics that are observable with the five senses or measurable. Examples of physical attributes are the color, size, shape, weight, and texture of an object.



EXTEND

GEORGIA STATE PARKS



Head to one of Georgia's 60+ state parks and complete the Nature Color Scavenger Hunt. Collect the items by taking a picture of them. Later, observe your pictures to see if there is another way to sort what you found.

STEM CAREER

MATERIALS SCIENTIST

A materials scientist is a scientist who develops materials, like metals, ceramics, polymers, and composites, that other scientists and engineers need for their designs. At work, materials scientists can develop ways to recycle old materials, modify materials to work better, and research the quality of new materials. If you are interested in materials and their attributes, being a materials scientist 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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