

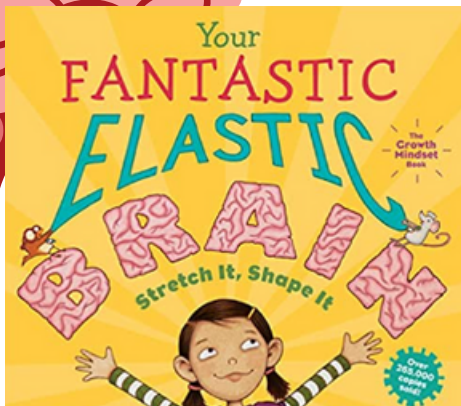
CONNECTIONS TO SCIENCE GUIDES

GEORGIA YOUTH SCIENCE & TECHNOLOGY CENTERS, INC.

YOUR FANTASTIC ELASTIC BRAIN: STRETCH IT, SHAPE IT

BY: JOANN DEAK

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



ASK

- What do you know about the human brain? What do you wonder?
- What does the brain do?
- How does the brain interact with the rest of the other body systems to keep us alive?
- Have you ever thought about being a neurologist?

EXPLORE

BUILD A BRAIN

Materials:

- Play-Doh in the following colors: aqua, purple, green, yellow, red, and blue
- Paper plate

Directions:

- Create a model of the human brain:
 - The Frontal lobe (aqua), the Parietal lobe (purple), the Occipital Lobe (green), the Temporal lobe (yellow), the Cerebellum (red), and the Brain Stem (blue)
- As you are modeling your brain, think about:
 - What purpose does the brain serve to the human body?
 - How does the brain interact with other body systems to support life processes?

Fun Facts:

- Your brain keeps on growing until you are 20 years old.
- Your brain is more powerful, more complex, and more clever than any computer ever built.

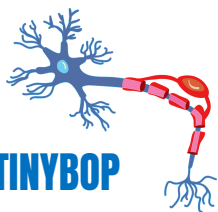


EXPLAIN THE BRAIN

The brain is a three-pound organ that controls all of the functions of the body. The brain is made up of three parts: the cerebrum, the cerebellum, and the brainstem. The cerebrum is divided into two hemispheres. It also has four lobes - frontal, parietal, occipital, and temporal - that all have their own function.



EXTEND THE HUMAN BODY BY TINYBOP



This interactive educational app allows you to explore what we're made of and how we work.

Lite version free on the App Store

STEM CAREER NEUROLOGIST

A neurologist is a medical doctor who specializes in evaluating, diagnosing, and treating diseases that affect the nervous system. At work, neurologists treat patients with conditions like epilepsy, stroke, multiple sclerosis, and Parkinson's disease. If you are interested in the brain, being a neurologist 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.

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