

CONNECTIONS TO SCIENCE GUIDES

GEORGIA YOUTH SCIENCE & TECHNOLOGY CENTERS, INC.

THE COOL BEAN BY: JORY JOHN

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



ASK

- Who is someone you know that is cool? What makes them cool?
- What do you know about plants?
- What are the basic needs of a plant?
- What are the parts of a plant?
- Have you ever thought about being a botanist, a scientist who studies plants?

EXPLORE COOL BEANS

Materials:

- Plastic bag
- Paper towel
- Water
- Dry beans (lima, pinto, mung, or lentil work best)
- Tape

Directions:

- Begin by wetting a paper towel.
- Fold up the paper towel and place it in the plastic bag.
- Place a few beans on top of the wet paper towel. Close the plastic bag.
- Tape your bag to a warm, sunny window. Observe what happens in the coming weeks!
- As you are watching your bean, think about:
 - What are the basic needs of a plant?
 - What are the parts of a plant?
 - Where can I plant this to watch it grow longer?

Fun Facts:

- Beans are an excellent source of vegetable protein and minerals such as iron, magnesium, and zinc.
- In Georgia, we can grow lima beans, black beans, chickpeas, kidney beans, green beans, soybeans, and peas.



EXPLAIN

PARTS OF A PLANT

There are about 320,000 known species of plants on Earth. Plants are living things that require air, soil, sunlight, and water to survive. All plants have basic parts: roots, a stem, leaves, and flowers. Flowers attract pollinators which help disperse pollen and create seeds to grow more plants.



EXTEND

PLANTS BY TINYBOP



This interactive educational app allows you to explore plant life above and below ground.

\$2.99 on the App Store



STEM CAREER

BOTANIST

A botanist is a scientist who studies plants. At work, botanists study the structure of plants, the uses of plants, and sometimes even discover new species of plants. Their work is important for food, medicine, fibers, and building materials. If you are interested in plants, being a botanist 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

Amanda Buice

GYSTC, Inc.

Executive Director

abuice6@kennesaw.edu

Jenna Henkel

GYSTC, Inc.

STEM Program Manager

jmp8603@kennesaw.edu



Scan QR code or Visit:
for more guides