

# Fit by Function

## Playing with Plant Parts - Lesson 2



### For the Classroom:

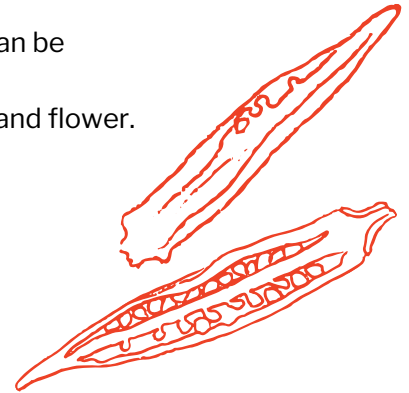
- Group structure - whole group or small group
- Location - in an open space
- Approximate time - 15 minutes

### Standards:

- SKL2b. Construct an argument supported by evidence for how plants can be grouped according to their features.
- S1L1a. Develop models to identify the parts of a plant—root, stem, leaf, and flower.

### Materials:

- [“Okra Pod”](#) Poster and [“Okra Insides”](#) Poster or okra pods
- [“Plant Part Evidence”](#) Chart (drawn on chart paper), marker
- [“Roots, Stems, Leaves”](#) song by Banana Slug String Band
- [“Roots, Stems, Leaves”](#) Lyrics Poster



### Procedures:

#### 1. Engage:

- a. “I am going to show you a plant that I love to eat.” Display [“Okra Pod”](#) and [“Okra Insides”](#) posters or distribute one cut okra pod to each child. “This is the part of the plant that we eat. But what plant part is it?”
- b. “First, let’s review the names of each of the plant parts.” Listen to 00:00-00:35 of [“Roots, Stems, Leaves”](#) song by Banana Slug String Band. Children can stand up and point to or represent each of the plant parts on their bodies.

#### 2. Explore:

- a. “Each of these structures, or plant parts, has a different function, or job, that it does for the plant. Let’s learn about the job of each plant part and see if we can figure out what job okra does for the plant.”
- b. Display the lyric poster for “Roots” and sing that verse along with the Banana Slug String Band.
  - i. “Do you think this okra could hold the plant in the ground?”
  - ii. “Do you think this okra could gather up the water that falls around?”
  - iii. “Why or why not?”
- c. Repeat for each plant part.

#### 3. Explain:

- a. “Now, what plant part do you think okra is? And why? What is your evidence? Consider both the group of vegetables it may fit into and the function, or job, it may serve for the plant. Put your finger on your nose, if you think you know.” Select students to share.
- b. “Okra is the fruit of the plant because it holds the seeds, just like tomatoes, cucumbers, and peppers.”

Lesson Created by Jenna Mobley for Georgia Organics