

Stems to Scale

As Tall as My Teacher - Lesson 2



For the Classroom:

- Group structure - small group
- Location - sidewalk/pavement
- Approximate time - 20 minutes

Standards:

- CCSS.MATH.CONTENT.2.MD.A.1. Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

Materials:

- Chart paper (created in Lesson 4)
- [“Sample Okra Measurements” Posters](#)
- Measuring tapes, rulers (1 per pair of children)
- Sidewalk chalk



Procedures:

1. Engage:

- a. “One of the reasons okra is special is that it grows taller than most of our plants growing in the garden. We are going to draw a diagram of okra that is the exact same size as our real okra plant!”

2. Explore:

- a. Display chart paper (created in Lesson 4) or [“Sample Okra Measurements” Posters](#). “How tall is the stem? Put your finger on your knee if you think you see.” Select a student to respond, with the appropriate units.
- b. “With your partner, choose the appropriate measuring tool. Then, draw with chalk a stem that is the same length. Label the plant part and the length.” Provide students with access to assorted measuring tools and a set of sidewalk chalk.
- c. Repeat for the leaf (in inches), the flower (in inches), and the fruit (in inches) until they have drawn their entire plant. Students may draw more than one leaf, flower, and fruit if they have time.

3. Explain:

- a. “To draw a diagram to scale, means to draw it the exact same size that it really is, just like you did with your okra plants!”

Lesson Created by Jenna Mobley for Georgia Organics