



Ms. Smarty-Plants™

CA State Standards,
NGSS Aligned & STEAM

Lesson-Parts of a Plant

The Magical World of Plants

Grade Level

Kindergarten

Duration:

40-45 minutes (Pre-Recorded video and live, virtual instruction)

CA Standards

Life Sciences-2a, b, c

NGSS Aligned

K-LS1 From Molecules to Organisms: Structures and Processes

K-ESS2 Earth's Systems

Lesson Overview

The lesson will begin by introducing students to the importance of plants in our lives. Ms. Smarty-Plants™ will explain the fascinating form and functions of plants, which students will learn through multimedia, observations, call and response, and art.

Objective

At the end of the lesson students should be able to:

- Identify the parts of a plant.
- Understand their function.
- Appreciate the importance of plants in our lives.

Materials

- Ms. Smarty-Plants™ virtual field trip video
- Ms. Smarty-Plants™ documents (PDF, printed, or Google Docs Form)
 1. Parts of plant activity sheet
 2. Vocabulary list
 3. "Which Earth Hero Are You?" document
- White paper, crayons, color pencils and/or markers
- Virtual Classroom meeting platform (ex: Google Classroom, ZOOM, Seesaw, etc.)

Lesson Procedures

1. Pre-Activity- The “Minute with Ms. Smarty-Plants™” video is played by the teacher one week before the live virtual field trip. Students will watch this brief, fun, video introduction to The Water Conservation Garden. Through video they first meet Ms. Smarty-Plants™” who gives the students a task to complete prior to the fieldtrip.
2. During Class- Ms. Smarty-Plants™ visits your class! The day of the fieldtrip starts with a short video of Ms. Smarty-Plants™ teaching in The Garden along with a virtual sing-along in American Sign Language. During the live virtual instruction, MSP will review material learned in the video. Students will be encouraged to recall the external parts of a plant and their form and function. In addition, students will learn helpful ways to care for the earth and will be celebrated as Ms. Smarty-Plants™ Earth Heroes!
3. Post Activity- Students will be given a “Parts of the Plant” activity sheet. To further enhance your student’s experience, a free Ms. Smarty-Plants™ seed packet will be available for pickup at The Water Conservation Garden.

Staying positive & making a difference!

We want to encourage each student to create their own Earth Hero moment.

(see document [“Which Earth Hero are You?”](#))

