

1st grade parts of a plant lesson

Setting: Whole group in classroom, ITRT modeling and Classroom teacher

Materials: digital microscope(z-pic usb microscope and digital viewer software*), plant samples (in numbered bags, 3 different types, 5 bags each, include seeds cut in half), characteristic sheet, pictures of where plants came from. Youtube time lapse video https://youtu.be/E__rbDzNOZI

VA SOL's: **Science** 1.1 Observation, 1.4 plant parts

Objectives:

Identify parts of the plant

Observe plant structure with digital microscope

Compare and contrast different plants

Review functions of parts of plant.

Activities:

1. Discuss how a scientist use their senses to learn about the world. One sense scientists never use in science is tasting so the rule is everything has to stay away from our mouth. We can touch it sometimes and we can see it. These are observations. Today we will be making some observations with our eyes and a science tool, this small digital microscope. Question the students on what this tool does, Do you think it will make things look different to us or the same?
2. Observe the living plants through the plastic bag. *Have 3 different plants in numbered labeled bags for each table group to observe with their eyes.* Using the worksheet (put on the IWB) Ask the students to write 3 characteristics of each plant.
3. Observe under the microscope as many parts of plants as time allows, including the inside of the seed. Question the students about what they see using the microscope. Is it the same or different from what we could see with our eyes. do the plants have similar structures that perform the same function?
4. Review the parts of the plant with the matching game
5. If time permits show the video and the picture of where the plants came from.
6. Extension: have students design their own plant part. Make sure they can describe it's function.

Literature connection: [From Seed to Plant, by G. Gibbons](#)

Smart notebook resource:

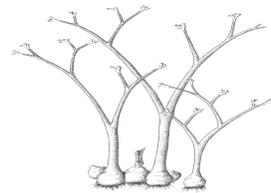
http://express.smarttech.com/?url=http://exchangedownloads.smarttech.com/public/content/d4/d457ae47-9640-4757-b8ea-99958e35937e/G1_L03_Plant%20parts_Final.notebook#

Matching - draw a line to the correct picture that matches the function.

Functions

Structure

Store food. Grow into a new plant.



Absorb water and nutrients for the plant to grow. Hold the plant in place.



Move water and nutrients from the roots up and down the plant. Hold the plant upright.



Uses sunlight to make food for the plant.



Makes the plant's seeds.



Write three characteristics you see for each plant

| | |
|----------|--|
| Plant #1 | |
| | |
| | |
| Plant #2 | |
| | |
| | |
| Plant #3 | |
| | |
| | |