

ROOT AND PLANT GROWTH BOOK

Lesson Plan for K-2

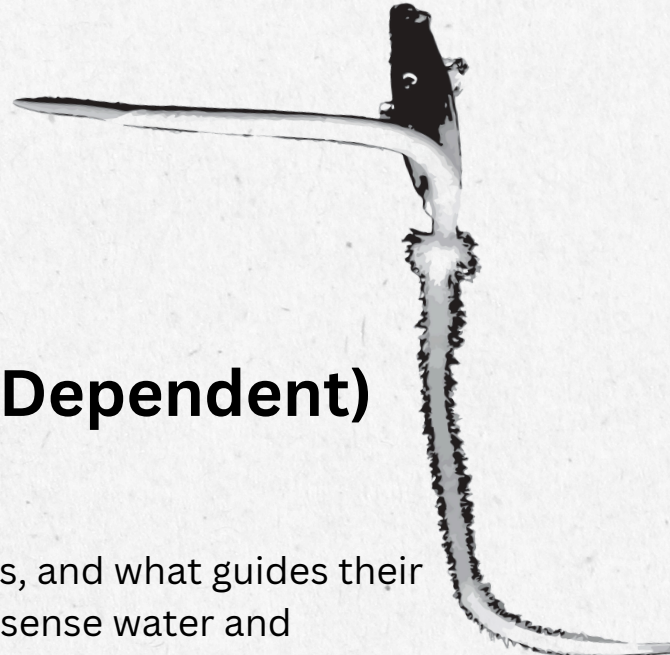
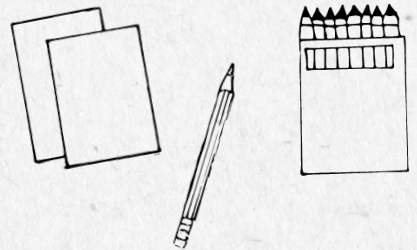
Time: 30 - 45 Minutes (Grade Dependent)

Goals:

- TSW identify parts of the plant, their functions, and what guides their growth: roots grow down into the soil as they sense water and nutrients; The stem and leaves grow up into the sunlight.
 - TSW represent plant growth in 3 stages with a drawing activity.
- Writing skills may also be practiced with labeling plant parts.

Materials

- Copy or craft paper
- Pencils
- Markers / colored pencils / crayons

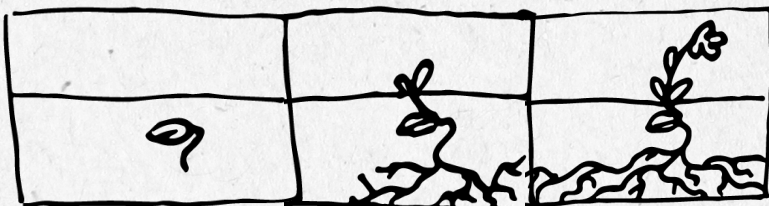


Science and Education Standards

1. Structure and Function: All organisms have external parts to perform functions
2. Numbers/Measuring: Students learn with relative scales
3. Energy: Plants need water, nutrients and sunlight to grow
4. Info Processing: All organisms sense information and respond to it

Steps

1. As a Class or Instructor reads *A Seed in Need* by Sam Godwin
2. Instructor demonstrates folding paper into thirds to make a small book
3. TSW draw a seed underground on panel 1, roots and seedling emerge on panel 2, a plant and root system grow larger on panel 3



Evaluation

1. Roots should be drawn growing down into the soil, and move increasingly toward the bottom of the page from the first panel to the last.
2. Stem and leaves should be drawn growing taller on each panel, reaching up toward the sunlight.