



Introduction to Plants

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Science
Grades K-2



Introduction

This is an introductory lesson for a unit on plants. It would be the first of a series of lessons that would center around the book, *Tops and Bottoms* by Janet Stevens. This unit could be 1 to 2 weeks and would include experiments in growing plants.

Learning Objectives

- The learner will recognize and identify the structure of plants, including roots, stems, leaves, flowers, and fruits.
- The learner will be able to illustrate and describe the life cycle of a plant.

Materials Needed

- *Tops and Bottoms* by Janet Steven
- Basic plant diagram, copies of basic plant diagram for students
- Sticky notes or labels for plant parts
- Exit ticket copies

Procedure

1. Make a list on the board of the plants from the book and the category they are in – plants that grow with vegetables on the top, vegetables in the middle, and vegetables on the bottom (root).
2. Present students with the basic plant diagram, showing the root, stem, leaves, and flower. Discuss the role of each part and the life cycle of a plant.
3. Show students this [short video](#) about plant life cycles.
4. Review the life cycle of a plant by creating a simple diagram with the students.
5. **Partner practice** – give each set of students a plant puzzle. This can be just a copied diagram of a plant that you have cut into pieces. Allow the students to put the puzzle together to form their plant. Then give students labels or sticky notes that have the names of the plant parts. Have students place them on their completed puzzle. Walk around, monitor, and provide guidance as needed.

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Evaluation

For a quick, formative assessment, have students complete the following for their exit ticket.

- What are the different parts of a plant? Draw a plant and label the parts.
- What are the stages in the life cycle of a plant? Draw or write the stages.