

Plants

Synopsis

K, 1st—2nd



Summary

This introductory course explores the wide variety of plant life in the park while learning the names of plant parts and functions. Activities include concepts of water transport and pollination, all wrapped up in a fun package of exploration.

MN Academic Standards

supported during HNC program. More standards can be supported with pre- and post lesson activities.

Science

- 0.4.1.1.1 ~ observe and compare plants
- 0.4.1.1.2 ~ identify plant parts
- 2.4.1.1.1 ~ describe and sort plants
- 2.4.2.1.1 ~ plant survival needs
- 2.4.3.1.1 ~ characteristics and life stage
- 3.4.1.1.1 ~ plant parts help survival
- 3.4.1.1.2 ~ identify groups of plants
- 3.4.3.2.1 ~ generational traits

Authenticity

Students observe native plants in their natural habitats.

Goals & Objectives

This program will:

- Review plant anatomy and function.
- Demonstrate the ingredients necessary for photosynthesis.
- Give an overview of plants' role in food chains.

Students will be able to:

- Describe the functions of basic plant parts.
- Describe the things plants need to survive.
- Explain the processes of pollination or seed dispersal.

Activities

In the classroom:

- Students brainstorm the things plants need in order to survive. They also help build a plant on the whiteboard and discuss the function of each major part.
- The Sunshine Inn: A student volunteer chef will cook up a photosynthetic feast fit for a plant at a brand new café.

In the field:

- Explore the plants of Hartley Park. Search for colorful flowers, seeds, green moss, strong stems and trunks, and trees.
- Play the Bizz Buzz pollination game, Seed Dispersal relay, Photosynthesis tag, or food chain game.
- Test your sense of smell by role-playing a pollinating animal.

Bad Weather Alternative

Station Rotation of:

- Use field guides to identify plants
- Bizz Buzz pollination game
- Seed dispersal relay game
- Examine plant parts under microscopes and magnifying glasses.
- Use large “puzzle” pieces to put a plant together part by part. Learn about the function of each.