Unit I: Classroom Plants

Content Area: **Science**
Course(s): **Science 2**
Time Period: **September**
Length: **Sept 8 - Nov 11**
Status: **Published**

Enduring Understandings

A seed is an organism, a living thing that has a variety of properties.

Plants need water, light, and nutrients to grow.

Plants are living things that are important to humans and animals.

Essential Questions

What is a plant?

Why are plants important to us?

What does soil have to do with plants?

Why do you think plants have roots?

How do the three basic components of soil react to water?

Content

Online Resources

Preview websites ahead of time to determine whether they are appropriate for your students' needs. You may also wish to research other related websites. A good place to start is the National Science Teachers Association website:

http://www.nsta.org/recommendedsites.

U.S. Department of Agriculture

http://plants.usda.gov/index.html

National Gardening Association

http://www.kidsgardening.com/

Texas A&M Horticulture Department's Just for Kids

http://aggie-horticulture.tamu.edu/ kindergarden/index.html

4-H
USDA Cooperative Extension Service Program

http://www.4-h.org/

National Agricultural Library
Kids Science Page

http://www.nal.usda.gov/ttic/Kids/index.html

The National Park Service Nature Net

http://www.nature.nps.gov/

National Biological Information Infrastructure

http://www.nbii.gov/disciplines/botany/ science.html

Book Suggestions

Flowers, Trees, and Fruits (Young Discoverers)

Sally Morgan. Houghton Mifflin, 2002.

From Seed to Plant (Rookie Read-About Science)
Allan Fowler. Children's Book Press, 2001.

A Fruit Is a Suitcase for Seeds

Jean Richards. Millbrook Press, 2002.

I Am a Leaf

Jean Marzollo. Bt Bound, 2001.

Plant Plumbing: A Book About Roots and Stems (Growing Things)
Susan Blackaby. Picture Window Books, 2003.

Pumpkin Circle: The Story of a Garden

George Levenson. Tricycle Press, 2002.

The Tiny Seed

Eric Carle. Bt Bound, 2001.

Skills

Distinguish between plants and animals.

Recognize the interdependency between plants and animals.

Identify the names and functions of plant parts.

Read about the stages in the life cycle of a plant.

Identify sand, clay and humus as three basic components of soil.

Infer what plants need to grow.

Conclude that plants reproduce in different ways.

Interpret photographs and diagrams.

Read captions and labels.

Recognize parts of a book.

Discuss the functions of a table of contents and a glossary.

Standards

SCI.2	Interdependent Relationships in Ecosystems
SCI.2-LS2-1	Plan and conduct an investigation to determine if plants need sunlight and water to grow.
SCI.2-LS2-2	Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.
SCI.2-LS4-1	Make observations of plants and animals to compare the diversity of life in different habitats.