

Plants

Missouri Botanical Garden

[Biology of Plants](#) This site is based on the Biology of Plants video series, geared to grades K-3. [What's it like where you live?](#)

PBS Resources

American Field Guide

[Flowers and Plants](#) Examine basic Mendelian heredity in the light of flowering plants, and learn how seed savers work to save diversity.

[Plants and Pollinators](#) (video segments and lessons) Your students will learn about co-evolution of mutualistic relationships while studying the roles of pollinators and plants.

Dragonfly TV

[Cactus](#) Dragonfly TV investigates cactus. Activity guide, watch program online and more.

[Leaf me Alone](#) Classroom activity to investigate how plants breathe.

[Leaves](#) (watch online) Dragonfly TV investigates leaf color.

Frontline

[Ecuador – Flower Power: Fair trade roses for Valentine's Day](#) (watch online) Learn about Ecuador's cut-flower industry, which supplies roughly a third of America's roses but is also notorious for dangerous pesticides, poor labor practices and corrupt management.

Iowa Public Television Connections to Science

[Tree Identification \(dichotomous keys\)](#) Naturalist, Heidi Anderson, teaches students about her job as a naturalist, what taxonomy is, and how to use a use a dichotomous tree key to identify a deciduous and conifer tree. ([Clip 1](#)/ [Clip 2](#)/[Clip 3](#)/ [Clip 4](#))

NOVA: First Flower

[Pick the Pollinator](#) Interactive game to test your knowledge of how insects, birds, and other pollinators help flowering plants flourish.

[Extract DNA from bananas](#) Understand that DNA is in living and once-living things; explain how DNA can be extracted from plant matter and describe DNA's physical appearance.

PBS Mathline

[Farming and Gardening](#) Three activities designed to show how farmers and gardeners use math.

Scientific American Frontiers

[The Desert's Perfect Foods: Cactus](#) Desert-dwelling Native Americans turn to their culinary roots to battle diabetes. ([Watch online](#))

WGBH: [Teachers' Domain](#)

[From Seed to Flower](#) This video segment depicts plant growth in time-lapse format, allowing the viewer to observe in just a few seconds some of the most

important life stages of a plant, from germination to the formation of a flower, and several phases in between.

[From Seed to Plant](#) Watch time elapsed plant growth.

USDA

[NatureWatch](#) NatureWatch provides children and adults the opportunity to safely view, and participate in activities and programs that raise the awareness of wildlife.

[Build Your Own Flower](#)

[Parts of a Flower](#)

[Teacher Resources](#)

[PLANTS Database](#) The PLANTS Database provides standardized information about the vascular plants, mosses, liverworts, hornworts, and lichens of the U.S. and its territories. (USDA, NRCS. 2008. The PLANTS Database. National Plant Data Center, Baton Rouge, LA 70874-4490 USA.)

[Distribution](#)

[Leafy Spurge/ more](#)

[Pasque](#)

[Ponderosa pine](#)

[Teaching People Plant Collecting](#) University of Arizona (make your own plant press)

[Yucca](#)

[Links](#)

The Natural Source Northern State University

[South Dakota Plants](#) Information about South Dakota trees, shrubs, grasses, weeds and more.

[Taxonomic Key to South Dakota Trees](#) Identify trees in South Dakota.

[Tree Glossary and Resources](#) – Parts of tree and type of leaves.

Links

[Early elementary art project using leaves](#)

[Poison Ivy, Oak, and Sumac Information Center](#)

[Use math connections to collect and document leaf specimens](#)

[Why leaves change color in the fall \(Colorado State University\)](#)