

# Science Story Adventures



## Gardens

### Learning outcomes

- » Students know how to identify major structures of common plants. (Kindergarten - Life Sciences)
- » Students know roots are associated with the intake of water and soil nutrients, and green leaves are associated with making food from sunlight. (Grade 1 - Life Sciences)
- » Students know both plants and animals need water, animals need food, and plants need light. (Grade 1 - Life Sciences)

*From: California's Science Content Standards*

### Books we read

*The Ugly Vegetables* by Grace Lin

*Whose Garden Is It?* by Mary Ann Hoberman

### Activities we did

- » We talked about the different parts of plants and their functions.
- » We looked at examples of different types of fruits and vegetables and talked about which part of the plant they come from.

### Today's craft: Your Dream Garden



### You will need:

- » Cardstock
- » Construction paper
- » Tissue paper
- » Dried beans
- » Scissors
- » Crayons
- » Colored pencils
- » Glue
- » Pencils
- » Pipe cleaners

### Directions:

On a piece of cardstock create your own garden using any of the materials above.

# Want to find out more?

Here is a selection of further resources to explore in the Naturalist Center, in the public library or at home. Please ask if you can't find what you're looking for.

## Books

*Botany on Your Plant: Investigating the Plants we Eat* by Katharine D. Barrett, Jennifer M. White and Christine Manoux. Nat. Ctr. QK52.55 .B37 2008

A collection of hands-on activities related to food plants that can be done at school or home.

*Bumblebee, Bumblebee, Do You Know Me?* by Anne Rockwell. Nat. Ctr. QK49 .R646 1999

Along with garden insects, children guess the names of the flowers found in a garden. Bold, yet simple, illustrations add to the fun of the game.

*Buttefly Gardening* by Thomas C. Emmel, Ph.D. Nat. Ctr. QL544.6 .E47 1997

Detailed information on establishing and maintaining a garden designed to attract butterflies. Includes information on common butterfly species.

*Compost Stew: An A to Z Recipe for the Earth* by Mary McKenna Siddals. Nat. Ctr. Juv. TD796.5 .S53 2010

From A to Z learn about all the ingredients used to make a rich resource for a fruitful organic garden.

*Grandpa's Garden* by Shea Darian. Nat. Ctr. Juv. PZ7 .D2436 Gr 1996

A young girl and her grandfather tend their garden every Saturday, cultivating more than just plants.

*Our Community Garden* by Barbara Pollak. Nat. Ctr. Juv. SB457.3 .P65 2004

Come explore what's sprouting in a garden tended by a diverse group of people in San Francisco.

*Planting a Rainbow* by Lois Ehlert. Nat. Ctr. Juv. PZ7 .E3225 PI 1988

Learn about the different flowers in a garden that come from seeds, bulbs and seedlings. Ehlert's signature cut-out illustrations make the book bloom.

## Media

*Garden Insects* (DVD). Nat. Ctr. Media SB605 .G3 2007  
Learn about the life cycles of insects that just might be lurking in your garden.

*The Private Life of Plants* (VHS). Nat. Ctr. Media QK45.2 .P75 1995

Time lapse photography, as well as the extensive scope of this series, provides remarkable insight into how plants live and thrive.

## Websites

Discover the Incredible World of Plants  
Can plants talk to you? Find out the answer to this and other questions about plants on this fun and interactive website.

<http://www.sfbotanicalgarden.org/world-of-plants/hp.html>

Guide to Bee-Friendly Gardening.

Includes information on plant selection, garden design, urban bee research and urban bee species.

<http://nature.berkeley.edu/urbanbeegardens/index.html>

Kids World - Plant Nutrition.

Explore the world of plants and agriculture through puzzles, a coloring book and quizzes.

<http://www.ncagr.gov/cyber/kidswrld/plant/index.htm>

My First Garden

A step by step guide to planting a garden for the first time. Option to read *en español* and includes a Teacher's Guide.

<http://urbanext.illinois.edu/firstgarden/>