

# Learn in the Garden **Guide**



## **Contents**

### **Teach with Plants**

- 1* Curricular Connections
- 2* Children's Garden Themes

### **Resources**

- 6* School Garden Web Links
- 7* Classroom Resource List
- 10* Seed Resources
- 15* Environmental Education Web Links

# Teaching with Plants

## Curricular Connections

### Curricular Connections

There are endless ways to connect your garden to the students and the curriculum; here are a few suggestions. Many other ideas will emerge when you involve others at your school in an inclusive design process.

Think about each question below and how your curriculum and school events can be enhanced by the design and plants in the garden. You can borrow ideas from this list to write your proposal, or alter them to customize your program.

#### **Where are plants specifically mentioned in the curriculum standards and how could a garden meet those standards?**

##### **Examples:**

- Illinois Science Learning Standards, Middle Elementary, 12.A.2a: "Describe simple life cycles of plants and animals and the similarities and differences in their offspring." Students begin growing different varieties of annual flowers from seeds indoors in late winter and transplant them into a color garden on school grounds in spring to learn the life cycle of a plant. They chart plant growth and variability, addressing the standard above as well as integrating measuring and charting skills together in an applied, real-world setting.
- District of Columbia Life Science Standard, Essential Knowledge and Skills, Grade 5: "The student examines environments to [understand why] some kinds of plants and animals survive well, some survive less well, and some cannot survive at all." A "science garden" provides a spot for upper elementary grades to test different soil conditions on spring or fall lettuce crops.
- Illinois English Language Arts Learning Standard, Early Elementary, 1.A.1a: "Apply word analysis skills (e.g., phonics, word patterns) to recognize new words." Students plant an alphabet garden that includes one plant whose name begins with each letter of the alphabet. They make and decorate alphabet letters to put in the garden. Read the Plant Alphabet.

#### **How might teachers use plants in their teaching?**

##### **Examples:**

- The 1st grade class reads and acts out the story of "Jack and the Beanstalk" so the school garden includes a castle-shaped trellis for scarlet runner beans to climb over. (Students can go inside this enchanted castle!) In one area, students try to see how high their vines will climb, practicing measuring and observation skills in an applied and practical context.
- The 2nd graders have a favorite story about a dragon, so they surround the bean castle with plants whose names remind them of dragons and medieval times, such as smoke bush, fireweed, and snapdragons.

- The 8th graders study pond life, including an examination of elodea, algae, and other water plants, so the garden includes a small pond in a courtyard with protected access from which samples can be collected and viewed under a microscope.
- A butterfly garden with nectar and host plants can be planted to attract spring and fall migrating butterflies—a great living observatory for classes studying insects, life cycles, or the stages of metamorphosis.

#### **What school activities (assemblies, special events, extracurricular, or other) might be held in a garden?**

##### **Examples:**

- The garden includes an area that serves for small performances such as musical ensembles, poetry readings, or outdoor theater.
- Individual classes do creative writing or drawing in the garden during the day.
- Community leaders use the garden as a site to announce awards or celebrate events in the school or community.
- A section of the school garden could be used to raise seedlings for a community beautification project.
- A class could grow and harvest herbs or vegetables to use for a class celebration—a great (and tasty) way for students to connect plants to their food.

#### **How could a garden unite students of different cultures at your school?**

##### **Examples:**

- Children talk to their families, research plants from their countries of their ethnic origin, and grow them in an international garden to celebrate their diversity.
- A pizza garden, salsa garden, or Three Sisters garden produces the ingredients for a food from a particular ethnic group represented in the community. This garden is also grown using gardening methods used by that culture. Students make and taste different recipes for pizza, salsa, or squash to make it more meaningful.
- Part of the garden is planted in the distinctive style of a culture, like a Japanese garden, an English walled garden, Native American food garden, or an African village garden, in order to highlight that culture and gain understanding of the people.

#### **How might the garden tie into community-based efforts or entrepreneurship?**

##### **Examples:**

- The school grows fresh vegetables for a homeless shelter as part of a mission to help the community.
- Students grow, harvest, and dry flowers to make potpourri and harvest seeds from selected flowers, which they sell at holiday time.

# Teaching with Plants

Curricular Connections : Children's Garden Themes



- The school has ties to George Washington Carver, so the 5th grade class conducts experiments with peanuts, sweet potatoes, and soy-beans. They grow their own crops on site and host a community day where they sell their crops.

## Is there anything you want to highlight about the history of your school?

### Examples:

- The school grounds were once forest that was cut down, so the garden includes a tree that is planted during a community ceremony for the city's anniversary.
- The school or town was part of the Underground Railroad before the American Civil War and so part of the garden is dedicated to crops grown by African slaves.
- The school won a coveted award for sports or academics and proudly displays the honor with a commemorative plaque or sculpture in a prominent place in the garden.
- The school creates a memorial plaque for the garden, or installs a tree or bench in remembrance of a student or staff who has passed away.

## Children's Garden Themes

### ABC Garden

- Have students plant an alphabet garden that includes one plant whose name begins with each letter of the alphabet. They make and decorate alphabet letters to put in the garden; see Plant Alphabet

### African-American Garden

- Create a garden using plants that are native to or frequently used in African countries or that were used in America by African slaves
- Learn to cook traditional African foods and have the students taste the products
- Using a map, show children where Africa is located and tie geography to vegetation, culture, and food
- Students explore the diversity of ecosystems that exist in Africa and create small garden plots to represent each

### American History Garden

- Create a garden using plants that were once used for cloth or dyes (cotton, flax, beets, indigo, etc.)
- Using plants from the garden, learn how to dye cloth
- Use or learn about plants that were discovered by Lewis and Clark
- Learn about plants that are native to North America or your school's state
- Plant a garden using heirloom vegetables
- Plant a Kitchen Garden with heirloom vegetables, herbs, and flowers used by Colonial Americans for food, medicine, fragrance, and economic value
- Plant a grain garden with cereal crops that are grown in your region

### Art Garden

- Grow plants that can be used for art projects (i.e., dried flowers, flowers for pressing, interesting seed pods, and gourds)
- Sell items made with garden products to raise money for the next garden season
- Create a garden mosaic of student designs on a garden wall (or cement bird bath)
- Have students take sketch books out in the garden and draw plants and bug life

### Asian-American Garden

- Create a garden using plants that are native to or used frequently in Asia
- Learn to cook typical Asian foods and have the students taste the products
- Have students write and share Haiku poems to explore Japan
- Using a map or globe have students research what countries make up Asia and connect geography to vegetation, culture, and food
- As an indoor winter project, have students create miniature bonsai or ikebana flower arrangements and research the symbolism in each

### Butterfly Garden

- Have students research plants that attract butterflies
- Discuss the butterfly lifecycle and the role of pollinators
- Read "The Very Hungry Caterpillar" by Eric Carle (ISBN# 0399226907)
- Raise and observe developing butterflies (we use products from Insect Lore)
- Create butterfly journals to record development of classroom butterflies
- Check out the North American Butterfly Association or Project Monarch Watch

### Herb Garden

- Learn how to make herbal teas from plants in the school garden
- Discuss cultural uses of herbs through history
- Discuss the difference between herbal tea and black tea
- Make herbal vinegars, oils, or sachets for Mother's Day gifts
- Dry herbs from the school garden and sell at Parent Night to raise money for next year's garden materials
- Harvest fresh herbs to chop and mix with cream cheese to serve for a class or school event

### International Garden

- Have students research a particular part of the world or specific country and choose plants that are representative of that region to grow in your garden
- Have students observe, make predictions, and then research to determine how the plants are specially-adapted to their native region
- Find out your students' cultural background or ethnicities and use

# Teaching with Plants

Children's Garden Themes



plants from students' native countries

- Incorporate student art that reflects a particular country or region of the world
- Use plants that are native to a country or region that you are teaching concurrently in a social studies unit
- Create a "school garden recipe book" with recipes that use items from the school garden and that students have collected from their native countries

## Jack and the Bean Stalk Garden

- Create a bean teepee in your garden
- Plant "Giant"-type sunflowers
- Read "Jack and the Bean Stalk" in the garden (ISBN to come)
- Dissect a bean seed. Try using Chicago Botanic Garden's Botany Basics: Plant Parts Facilitator Guide
- Make an Illinois Ag in the Classroom Bean Book as you dissect your seeds
- Read "Bean and Plant" by Christine Back & Barrie Watts (ISBN 0-382-24014-6)
- Make a bean seed necklace

## Kinder Garden

- Plant an ABC Garden using plants that start with each letter of alphabet; see Plant Alphabet
- Build raised beds in various geometrical shapes
- Plant a rainbow garden; see Rainbow Colors for Health to use flower color to plant a "rainbow"
- Use plants with large seeds that are easy for little fingers to handle, such as sunflowers, cucumbers, and squash or gourds
- Sunflowers and gourds grow very quickly—use them as the basis for a "measuring garden" where young ones learning to measure can practice measuring a couple of times each week

## Kitchen Garden

- Create an edible garden using plants that the children like to eat or have never tried before
- Create a garden with vegetables for each different plant part—roots, stems, flowers, fruits, and seeds and learn about plant parts using foods we eat. Try using Chicago Botanic Garden's Botany Basics: Kitchen Botany Facilitator Guide
- Grow a salad garden that will be ready to harvest before school is out for the summer
- Plant a fruit and veggie garden featuring "vegetables" such as lettuce, carrots, and spinach as well as "fruits" (anything with a seed) such as squash, cucumbers, or eggplant

## Latin-American Garden

- Create a garden using plants that are native to or used frequently in Latin countries, such as tomatoes, tomatilloes, cilantro, and peppers
- Learn to cook typical Latin foods and have the students taste the products

- Learn to make tortillas in a baggie; see instructions
- Using a map, show children where the Latin countries are located and tie geography to vegetation, culture, and food

## Literacy/Reading Garden

(garden incorporating a cozy nook for a class to sit and read)

- Feature garden story books to be read in the garden each week; see our Top 10 Books
- Use plants found in children's literature such as "Peter Rabbit," "The Ugly Vegetables," or "Growing Vegetable Soup"
- Create a reading circle in the garden
- Have students construct nature journals to record garden development and collect seeds and pressed flowers
- Have students write stories or poems about gardening or plants in the school garden
- Read seed packets
- Create a school garden newsletter to share with parents and the community
- Have children write stories about the garden in books that they make
- Use the garden as the context for new vocabulary words or for writing from different perspectives (their own, a bird flying overhead, a beetle on a leaf, a worm underground, etc.)

## Math Garden

- Create a garden to include raised beds of various geometric shapes
- Have the children estimate number of seeds they will need in a row based on row length and seed spacing information on seed packet
- Do the Percent Seed Germination Activity in the classroom; see instructions
- Have children chart seedling growth
- Create a square-foot garden

## Maze Garden

- Create a maze in your garden using grasses, a hedge, or corn plants
- Include something fun like a reading area in the middle of your maze
- Use maize (corn) in your maze for a "play on words"

## Native-American Garden/Colonial Garden

- Learn about the Three Sisters Garden tradition
- Create a garden using plants that are native to America or plants traditionally used by Native Americans
- Make corn seed necklaces; see instructions
- Learn about plants used for dyes
- Discuss medicinal plants; learn how Native Americans and Colonial settlers used plants as medicine
- Read "Corn is Maize" by Alikei (ISBN 0-06-445026-0) to learn about the history of corn

# Teaching with Plants

Children's Garden Themes



## Nutrition Garden

- Do the Plant Part Pounding Activity as a basis for nutrition study; see instructions
- Plant fruits and vegetables in different sections that represent a wide range of vitamins (i.e., The Vitamin C section, Vitamin A section, etc.)
- Plant plants of every color of a healthy diet; see Rainbow Colors for Health

## Outer Space Garden

- Create a garden using "outer space" sounding plants such as Moon Flower, Moon and Stars' Watermelon, and Cosmos
- Learn more about growing plants in outer space

## Peter Rabbit Garden

- Have students read Peter Rabbit and create a garden with plants mentioned in the story (cabbage, carrots, lettuce, etc.)
- Have students create a Peter Rabbit play to act out in their garden
- Create a "nest" space in the garden where students can sit and read Peter Rabbit and other books

## Pizza Garden

- Grow a garden that has all the ingredients for pizza: wheat, tomatoes, peppers, oregano, basil, onions, garlic, etc.
- Learn about the history of pizza
- Grow mushrooms in your classroom
- Make a classroom pizza using produce from your garden
- Use the pizza garden as the basis to launch a study on Old World and New World plants (Did you know that the first "pizzas" were Old World and did not include tomatoes, which are a New World plant?)

## Native Plant Garden

- Research what plants are native to your region
- Discuss ways in which Native Americans and settlers used plants in your region
- Learn about endangered native plants in your state or region
- Read plant folklore stories
- Hold a "seed-saving" day in the fall; collect seeds and create a seed bank

## Salsa Garden

- Create a garden with all of the plants you might find in salsa (tomatoes, cilantro, onions, peppers, and garlic)
- Have students create a salsa recipe to make and share with other classrooms
- Make salsa to give as gifts or sell at a garden fundraiser

## Sensory Garden

- Use plants you can feel, smell, taste, touch and hear
- Do a lesson or activity where students can use their five senses
- Use edible flowers such as pansies, nasturtiums, borages, etc.
- Have students find ways they can use their five senses in the garden and then combine this with activities and lessons in art
- Have a garden concert using musical instruments made out of garden tools, seedpods, branches, gourds, grass blades, or flower pots
- Use plants that will have winter interest (especially if you live in a cold climate) such as grasses, shrubs, and trees with colored or exfoliating bark, evergreens, and plants with seed pods that will persist into winter

## Shakespeare Garden

(plants from Shakespeare's classics)

- Create a garden using plants mentioned in Shakespeare's works
- Discuss the mythical or medicinal uses of Shakespearean plants
- Research the meaning or significance of plants or flowers found in Shakespeare's work

## Storybook Garden

- Have students design a garden with plants found in storybooks
- Incorporate a Jack and the Beanstalk bean teepee
- Incorporate a poppy field as found in Wizard of Oz
- Incorporate a Peter Rabbit section including cabbage, carrots, etc.
- Have students write their own fairy tale
- Have students make and write their own books

## Tea Garden

- Create a garden using plants commonly used in herbal teas such as chamomile and mint
- Learn about the history of teas
- Learn about different types of tea ceremonies throughout the world
- Make herbal mint tea; see instructions
- Have a classroom tea party
- Discuss the differences between herbal tea and black tea
- Read "The Boston Tea Party" by Steven Kroll (ISBN 0-8234-1557-0) and grow an "alternative tea plant" used by early American Colonials in place of expensive, highly-taxed true tea

## Tops and Bottoms Garden

- Read "Tops and Bottoms" by Janet Stevens (ISBN#0-15-292851-0)
- Have students design a classroom garden using plants in "Tops and Bottoms" (above book about plants that grow above and below ground)

# Teaching with Plants

Children's Garden Themes



## Vegetable Snack Garden

- Encourage children to grow fruits and vegetables that they would like to taste, favorites as well as new items
- Incorporate nutrition lessons
- Grow a Pizza Garden that includes plant ingredients on a pizza
- Grow a Salsa Garden that includes plant ingredients found in salsa
- Have students keep a food journal to record what plants they eat
- Build and observe a compost bin in your school garden
- Discuss when to plant/harvest vegetables in the garden
- Learn about plant life cycles
- Read "The Reason for a Flower" by Ruth Heller (ISBN# 0-448-41091-5)

## Wildlife Garden

- Incorporate a tree with berries for the birds in your garden
- Use tall grasses for cover for small animals such as rabbits
- Install a birdbath or birdfeeder outside a classroom window
- Have your students research plants and flowers that specifically attract hummingbirds, butterflies, or moths
- In winter months, create a variety of bird snacks to hang in the garden as a cold-season snack
- Use plants with seed heads that will naturally provide snacks for birds, such as sunflowers and millet

# Resources

## School Garden Web Links



### School Garden Web Links

#### **Aggie Horticulture Just for Kids!**

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

#### **City Farmer**

<http://www.cityfarmer.org/schgard15.html>

#### **Cornell College of Agriculture and Life**

<http://www.hort.cornell.edu/gardening/>

#### **Earthways School Gardening Program**

<http://www.umaine.edu/ceskl/earthways.htm>

#### **Ecology Center | Berkeley, California**

<http://www.ecologycenter.org/gardening/gardening.html>

#### **EE Link: Environmental Education Activities - School Gardens**

<http://eelink.net/eeactivities-schoolgardens.html>

#### **Essential School Lunch Resources**

<http://www.organicconsumers.org/school/links/htm>

#### **Garden in Every School Registry of the National Gardening Association**

<http://www.kidsgardening.com/School/register.asp>

#### **Garden Mosaics**

<http://www.gardenmosaics.cornell.edu/>

#### **Horticultural Therapy - School and Community Gardening**

<http://www.hort.purdue.edu/hort/Hther/kids.htm>

#### **Journey to Forever**

[http://journeytoforever.org/edu\\_garden\\_link.html](http://journeytoforever.org/edu_garden_link.html)

#### **Junior Master Gardener**

<http://jmgkids.com/>

#### **KidsGardens! Garden Resources**

<http://www.kidsgardening.com/teachers2.asp>

#### **Margaret Beeks Elementary School Gardening Project, Blacksburg, VA**

<http://www.hort.vt.edu/faculty/reif/4984/Mbelem.html>

#### **Nutrition and Health and School Gardening**

<http://www.wccusd.k12.ca.us/stc/2000les/nutrition.htm>

#### **Programs that Work - School Gardening and Horticulture Programs**

<http://www.urbanext.uiuc.edu/ptw/05schoolgardening.html>

#### **Research Notes on School Gardening**

<http://www.raringtogrow.com/research.htm>

#### **School Gardens**

<http://hort.ifas.ufl.edu/ggk/schgard.htm>

#### **School and Community Gardening**

<http://ag.arizona.edu/gardening/school.html>

#### **Steiner School Gardens**

<http://www.samfordschool.com/Gardening.htm>

# Resources

## Classroom Resource List



### Classroom Resource List

Hands-on lessons, printed materials, video programs, and other materials can all help make your school garden an integral part of classroom learning. Following are some good places to look for learning materials and activity supplies for your classroom.

#### Curriculum

---

##### Activities Integrating Math and Science

###### AIMS Education Foundation

PO Box 8120  
Fresno, CA 93747  
888-733-2467  
<http://www.aimsedu.org>

###### Ag in the Classroom

###### US Department of Agriculture

1400 Independence Avenue  
Beltsville, MD 20705  
301-504-9403  
<http://www.agintheclassroom.org>  
Curriculum guides, lessons, and free stuff to teach about agricultural practices in Illinois

###### Garden Mosaics

Fernow Hall 16  
Cornell University  
Ithaca, NY 14853  
[gardenmosaics@cornell.edu](mailto:gardenmosaics@cornell.edu)  
<http://www.grdenmosaics.cornell.edu>

###### Great Explorations in Math and Science

###### UC Berkeley

GEMS  
Lawrence Hall of Science #5200  
Berkeley, CA 94720-5200  
510-642-7771  
<http://www.lhsgems.org>

###### Growing in the Garden

###### Janet Anderson

ISU Extension 4-H Youth Development  
33 Curtiss Hall  
Ames, IA 50011  
Multidisciplinary curriculum with garden applications

###### Junior Master Gardener

225 Horticulture / Forestry Building  
Texas A&M University  
College Station, TX 77843  
979-845-8565  
<http://www.jmgkids.com>

###### J. Weston Walch Publisher

321 Valley Street  
PO BOX 658  
Portland, Maine 04104-0658  
800-341-6094  
<http://www.walch.com>  
Multidisciplinary curriculum for middle school, high school, and adult education

###### National Gardening Association

1100 Dorset Street  
South Burlington, VT 05403  
802-863-5251  
<http://www.garden.org>

###### National Science Teachers Association

NSTA Catalog  
1840 Wilson Boulevard  
Arlington, VA 22201-3000  
800-277-5300  
<http://www.nsta.org>

###### Smithsonian Resource Guide for Educators

Smithsonian Office of Education  
Arts and Industries Building, Room 1163  
Smithsonian Institution  
Washington DC 20560-0402  
<http://www.educate.si.edu>

###### Teacher Resources

2931 East Mc Carty Street  
Jefferson City, MO 65101  
800-SCHOLAS  
<http://www.scholastic.com>  
K-8 curriculum resources

###### Zephyr Press

PO Box 66006-1F  
Tucson, AZ 85728-6006  
800-232-2187  
<http://www.zephyrpress.com>  
Multidisciplinary teaching strategies

### Supplies

---

###### ABC School Supply

3312 N. Berkeley Lake Road  
P.O. Box 100019  
Duluth, GA 30096-9419  
800-669-4222  
<http://www.abcschoolsupply.com>  
A little bit of everything for infants to children in grade 1

###### Acorn Naturalists

17821 East 17th Street #103  
PO Box 2423  
Tustin, CA 92781-2423  
800-422-8886  
<http://www.acornnaturalists.com>  
Environmental education resources with field equipment and guides, interpretive resources, and books on aquatics, botanical explorations, and animal activities

###### American Science & Surplus

3605 Howard Street  
Skokie, IL 60076  
847-982-0870  
<http://www.sciplus.com>  
Arts and crafts, a large supply of house and garden items and a variety of school supplies and tools

###### Carolina Biological Supply Company

2700 York Road  
Burlington, NC 27215-3398  
800-334-5551  
<http://www.carolina.com>  
Complete science catalog offering books, videos, live specimens, lab equipment, and much more

###### Delta Education

PO Box 3000  
Nashua, NH 03061-3000  
800-282-9560  
<http://www.delta-ed.com>  
Supplies for the outdoor classroom, plant sciences, and other hands-on tools for teaching science



# Resources

Classroom Resource List



## ETA Cuisenaire

500 Greenview Court  
Vernon Hills, IL 60061-1862  
800-445-5985

<http://www.etcuisenaire.com>

A variety of supplies for earth, life, and physical sciences

## Forestry Suppliers, Inc.

PO Box 8397  
Jackson, MS 39284-8397  
800-647-5368

<http://www.forestry-suppliers.com>

A great resource for environmental science! Tons of tools for soil science and insect studies, including scales, measurement tools, thermometers, butterfly nets, and outdoor gear

## Gardening with Kids Catalog and Online Store National Gardening Association

180 Flynn Ave.  
Burlington, VT 05401  
800-538-7476

<http://www.kidsgardening.com>

Catalog includes materials from books to grow labs to worms

## Hubbard Scientific National Teaching Aids

401 Hickory Street  
P.O. Box 2121  
Ft. Collins, CO 80522  
800-289-9299

Great supplies for teaching botany and plant science – slides, models, plant lab kits, seed kits

## Insect Lore

P.O. Box 1535  
Shafter, CA 93263  
800-LIVE BUG

<http://www.insectlore.com>

A variety of resources from books to games to live critters for teaching about bugs, worms, and frogs, among others

## Museum Products Co.

84 Route 27  
Mystic, CT 06355  
800-395-5400

<http://www.museumproducts.net>

This catalog contains a little bit of everything: books, novelty items, magnifying tools, kits, and many tools to teach about insects

## Nature Watch Catalog

5312 Derry Ave Suite R  
Agoura Hills, CA 91301-5004  
800-228-5816

<http://www.nature-watch.com>

Resources, activities, and programs for indoor and outdoor educators

## NASCO

901 Janesville Ave.  
P.O. Box 901  
Ft. Atkinson, WI 53538-0901  
800-558-9595

<http://www.eNASCO.com>

Anything and everything you ever wanted to teach science

## School Specialty

888-388-3224  
<http://www.schoolspecialty.com>  
Everything under the sun for teachers, schools, and classrooms

## Books

### Children's Press & Franklin Watts

#### Grolier Publishing

#### School and Library Division

90 Sherman Turnpike  
Danbury, CT 06816  
800-621-1115  
<http://www.publishing.grolier.com>  
Books for social studies, science, geography, and literature, among a variety of other topics; contains a special section for accelerated readers; an excellent catalog!

## Chinaberry

2780 Via Orange Way  
Spring Valley, CA 91978  
800-776-2242

<http://www.chinaberry.com>

An excellent resource for high-quality literature for children and young adults

## Dawn Publications

P.O. Box 2010  
Nevada City, CA 95959  
800-545-7475

[www.dawnpub.com](http://www.dawnpub.com)

Catalog of literature and nature connections; combines children's literature and nature awareness

## Usborne Books

10302 E. 55th Place  
Tulsa, OK 74146-6515  
800-611-1655  
<http://www.ubah.com>  
K-12 books across the curriculum

## Multimedia Resources

### A Crack in the Pavement

#### Bullfrog Films

1-800-BULLFROG  
<http://www.bullfrogfilms.com>  
Video showing true stories about turning school yards into thriving green oases

## Environmental Media

1008 Paris Avenue  
Port Royal, SC 29935-2418  
800-368-3382  
<http://www.envmedia.com>  
Environmental videos, CD-ROMs, and DVDs are accompanied by educators' guides that provide background information and activities for students

## Gardening with Kids

### National Gardening Association

<http://store.kidsgardening.com>  
1-800-538-7476 x201  
Video featuring a mosaic of school gardens across the nation

# Resources

Classroom Resource List



## Music for Little People

P.O. Box 757  
Greenland, NH 03840  
800-409-2457  
<http://www.mflp.com>  
Videos, audio tapes, instruments, and accessories for using music with children

## Video Project

P.O. Box 77188  
San Francisco, CA 94197  
800-475-2638  
<http://www.videoproject.net>  
Videos for nature and the environment, social sciences, and videos for children and youth

## Miscellaneous and Novelty Items

### Caning Shop, The

926 Gilman Street  
Berkeley, CA 94710  
800-544-3373  
<http://www.caning.com>  
Supplies for caning, wicker, basketry, and gourds

### Childcraft Education Corp.

PO BOX 3239  
Lancaster, PA 17604  
800-631-5652  
<http://www.childcraft.com>  
Infant through grade 4. Furniture, bookshelves, tables, puppets, dolls, and dramatic play items

### Hearthsong

1950 Waldorf NW  
Grand Rapids, MI 49550-7100  
800-325-2502  
<http://www.hearthsong.com>  
Art kits, books, dolls, puppets, nature craft kits, games, and holiday themes

### Magic Cabin Dolls

1950 Waldorf NW  
Grand Rapids, MI 49550-7000  
888-623-6557  
<http://www.magiccabin.com>  
Handmade, all natural dolls, toys and crafts

## Storage

### Consolidated Plastics Company

8181 Darrow Road  
Twinsburg, OH 44087  
800-362-1000  
<http://www.consolidatedplastics.com>  
Laboratory supplies and containers or all shapes and sizes; recycling and storage containers also available

### National Bag

2233 Old Mill Road  
Hudson, Ohio 44236  
800 247-6000  
<http://www.nationalbag.com>  
Plastic bags and boxes in all sizes and shapes

# Resources

## Seed Resources



### Seed Resources

Select a state from the list below to view contact information for seed resources. If you think something is missing, please email us to let us know.

#### Alabama

---

Sorry! We have no seed listings in this state. If you know of a resource, please contact us.

#### Alaska

---

Sorry! We have no seed listings in this state. If you know of a resource, please contact us.

#### Arizona

---

##### Native Seeds/SEARCH

2509 N. Campbell Ave., #325  
Tucson, AZ 85719  
(520) 622-5561  
fax (520) 622-5591

#### Arkansas

---

Sorry! We have no seed listings in this state. If you know of a resource, please contact us.

#### California

---

##### Bountiful Gardens

18001 Shafer Ranch Rd.  
Willits, CA 95490-9626  
(707) 459-6410  
fax (707) 459-1925  
<http://www.bountifulgardens.org>

##### Evergreen Y. H. Enterprises (Asian Vegetable Seeds)

P.O. Box 17538  
Anaheim, CA 92817-7538  
(714) 637-5769  
fax (714) 637-5769  
<http://www.evergreenseeds.com>

##### Havasui Hill Herbs

20150-A Rough & Ready Trail  
Sonora, CA 95370  
(209) 536-1420

##### Heirloom Garden Seeds

P.O. Box 138  
Guerneville, CA 95446

##### Hudson, J. L. Seedsman

Star Route 2, Box 337  
La Honda, CA 94020

##### Kitazawa Seed Co.

P.O. Box 13220  
Oakland, CA 94611-3220  
(510) 595-1188  
fax (510) 595-1860  
<http://www.kitazawaseed.com>

##### Lockhart Seeds

P.O. Box 1361  
3 N. Wilson Way  
Stockton, CA 95201  
(209) 466-4401

##### Mountain Valley Growers, Inc.

38325 Pepperweed Road  
Squaw Valley, CA 93675  
(209) 338-2775  
fax (209) 338-0075

##### Ornamental Edibles

3272 Fleur De Lis Court  
San Jose, CA 95132  
(408) 929-7333  
fax (408) 929-5775  
<http://www.ornamentaledibles.com>

##### Redwood City Seed Co.

P.O. Box 361  
Redwood City, CA 94064  
(415) 325-5EED

##### San Francisco Herb Company

250 14th Street  
San Francisco, CA 94103  
800-227-4530  
415-861-7174  
<http://www.sfherb.com>

##### Taylor's Herb Gardens

1535 Lone Oak Road  
Vista, CA 92084  
(619) 727-3485  
fax (619) 727-089

#### Colorado

---

##### D.V. Burrell Seed Growers Co.

P.O. Box 150,  
405 N. Main St.  
Rocky Ford, CO 81067  
(719) 254-3318  
fax (719) 254-3319

#### Connecticut

---

##### Butterbrooke Farm

78 Barry Rd.  
Oxford, CT 06478  
(203) 888-2000

##### Comstock, Ferre & Co.

263 Main St.  
Wethersfield, CT 06109  
(860) 571-6590  
(800) 733-3773  
fax (860) 571-6595  
<http://www.comstockferre.com>

##### Shepherd's Garden Seeds

White Flower Farm  
30 Irene St.  
Torrington, CT 06790-6658  
(860) 482-3638  
fax (860) 482-0532  
<http://www.shepherdseeds.com>

#### Delaware

---

Sorry! We have no seed listings in this state. If you know of a resource, please contact us.

#### Florida

---

##### Brown's Edgewood Gardens

2611 Corrine Drive  
Orlando, FL 32803  
(800) 978-4372  
fax (407) 898-5792

##### The Gourmet Gardener

12287 117th Drive  
Live Oak, FL 32060  
(888) 404-GROW (4769)  
fax (407) 650-2691  
<http://www.gourmetgardener.com>

# Resources

Seed Resources



## Georgia

### Flowerly Branch Seed Company

P.O. Box 1330  
Flowerly Branch, GA 30542  
(770) 536-8380  
fax (770) 532-7825

## Hawaii

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Idaho

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Illinois

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Indiana

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Iowa

### Henry Field's Seed and Nursery

415 N. Burnett  
Shenandoah, IA 51602-0001  
(605) 665-4491  
fax (605) 665-2601  
<http://henryfields.com>

### Herbs-Liscious

1702 South Sixth Street  
Marshalltown, IA 50158

## Kansas

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Kentucky

### Dabney Herbs

P.O. Box 22061  
Louisville, KY 40252  
(502) 893-5198

## Sleepy Hollow Herb Farm

568 Jack Black Rd.  
Lancaster, KY 40444  
(800) 726-1215

## Louisiana

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Maine

### Fedco Seeds

P.O. Box 520-A  
Waterville, ME 04903  
(207) 873-7333  
fax (207) 872-8317  
<http://www.fedcoseeds.com>

### Johnny's Selected Seeds

184 Foss Hill Rd.  
Albion, ME 04910-9731  
(207) 437-9294  
fax (207) 437-2165  
<http://www.johnnyseeds.com>

### Merry Gardens

P.O. Box 595  
Camden, ME 04843  
(207) 236-9064

### Pinetree Garden Seeds

P.O. Box 300  
New Gloucester, ME 04260  
(207) 926-3400  
fax (888) 527-3337  
<http://www.superseeds.com>

## Maryland

### D. Landreth Seed Co.

P.O. Box 6426  
180-188 W. Ostend St.  
Baltimore, MD 21230  
(800) 654-2407  
fax (410) 244-8633  
<http://www.landrethseeds.com>

## Massachusetts

### Hartman's Herb Farm

1026 Old Dana Road  
Barre, MA 01005  
(508) 355-2015

## Michigan

### Fox Hill Farm

P.O. Box 9  
440 West Michigan Avenue  
Parma, MI 49269-0009  
(517) 531-3179

### Rosenow Nursery

725 West Freesoil Rd.  
Freesoil, MI 49411  
(616) 464-5466

### Siegers Seed Co.

13031 Reflections Dr.  
Holland, MI 49424  
(616) 786-4999  
fax (616) 994-0333  
<http://www.siegers.com>

## Minnesota

### Farmer Seed and Nursery

Division of Plantron, Inc.  
Dept. 44 Reservation Center  
818 4th Street NW  
Faribault, MN 55021  
(309) 663-9551  
<http://www.farmerseed.com>

### Shady Acres Herb Farm

7815 Highway 212  
Chaska, MN 55318  
(612) 466-3391

## Mississippi

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

# Resources

Seed Resources



## Missouri

### Elixir Farm Botanicals

General Delivery  
Brixley, MO 65618  
(417) 261-2393

### Flowerplace Plant Farm

P.O. Box 4865  
Meridian, MS 39304  
(800) 482-4686

## Montana

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Nebraska

### DeGiorgi Seed Co.

6011 N. Street  
Omaha, NE 68117  
(800) 858-2580  
(402) 731-3901  
fax (402) 731-8475  
<http://www.degiorgiseed.com>

## New Hampshire

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## New Jersey

### Orol Ledden & Sons

P.O. Box 7  
Center & Atlantic Avenues  
Sewell, NJ 08080-0007  
(800) 360-7333  
fax (609) 464-0947

### Thompson & Morgan

P.O. Box 1308  
Jackson, NJ 08527-0308  
(800) 274-7333  
fax (888) 466-4769  
<http://www.thompson-morgan.com>

### The Tomato Seed Co., Inc.

P.O. Box 323  
Metuchen, NJ 08840  
(201) 548-9036

## New Mexico

### Seeds of Change

P.O. Box 15700  
Santa Fe, NM 87506-5700  
(888) 762-7333  
fax (888) 329-4762  
<http://www.seedsofchange.com>

## New York

### Harris Seeds

355 Paul Rd.  
P.O. Box 24969  
Rochester, NY 14624-6966  
(800) 514-4441  
fax (877) 892-9197  
<http://www.harrisseed.com>

### Hillary's Garden

P.O. Box 430  
Warwick, NY 1099-0430  
(914) 987-1175

### Apothecary Rose Shed

P.O. Box 194  
Route 160  
Pattersonville, NY 12137  
(518) 887-2035

### Marion Gardens

P.O. Box 247  
East Marion, NY 11939  
(516) 477-1010

### Stokes Seed Company

P.O. Box 548  
Buffalo, NY 14240-0548  
(800) 263-7233  
fax (716) 695-9649  
<http://www.stokeseeds.com>

## North Carolina

### Adventures in Herbs

P.O. Box 23240  
Mint Hill, NC 28227  
(704) 882-2669

## Herb Garden

P.O. Box 773  
Pilot Mountain, NC 27041-0773

### Rasland Farm

NC 82 at US 13  
Godwin, NC 28344-9712  
(919) 567-2705

### Sandy Mush Herb Nursery

316 Surret Cove Rd.  
Leicester, NC 28748-5517  
(828) 683-2014  
fax (828) 683-2014 (call ahead)  
<http://www.brwm.org/sandymushherbs>

## North Dakota

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Ohio

### Companion Plants

7247 North Coolville Ridge Road  
Athens, OH 45701  
(614) 593-3092  
fax (614) 592-4643

### Down on the Farm Seeds

P.O. Box 184  
Hiram, OH 44234

### Lewis Mountain Herbs & Everlastings

2345 State Route 247  
Manchester, OH 45144  
(513) 549-2484

### Lily of the Valley Herb Farm

3969 Fox Avenue  
Minerva, OH 44657  
(216) 862-3920

### Liberty Seed Co.

P.O. Box 806  
New Philadelphia, OH 44663-0806  
(800) 541-6022  
fax (330) 364-6415  
<http://www.libertyseed.com>

# Resources

Seed Resources



## Sunnybrook Farms Nursery

P.O. Box 6  
9448 Mayfield Road  
Chesterland, OH 44026  
(216) 729-7232

## Oklahoma

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Oregon

### Goodwin Creek Gardens

P.O. Box 83  
Williams, OR 97544  
(503) 846-7357

### Nichols Garden Nursery

1190 N. Pacific Highway NE  
Albany, OR 97321-4580  
(503) 928-9280  
fax (503) 967-8406

### Territorial Seed Co.

20 Palmer Ave.  
P.O. Box 158  
Cottage Grove, OR 97424-0061  
(541) 942-9547  
fax (888) 657-3131  
<http://www.territorial-seed.com>

### The Thyme Garden Seed Co.

20546 Alsea Highway  
Alsea, OR 97324  
(541) 487-8671  
fax (541) 487-8671 (call first)  
<http://www.thymegarden.com>

## Pennsylvania

### W. Atlee Burpee & Co.

300 Park Ave.  
Warminster, PA 18991  
1-800-333-5808  
fax 1-800-487-5530  
<http://www.burpee.com>

### Fox Hollow Seed Co.

P.O. Box 148  
McGrann, PA 16236  
(724) 548-SEED (7333)  
fax (724) 548-SEED (7333)

### Heirloom Seed Project

Landis Valley Museum  
2451 Kissel Hill Road  
Lancaster, PA 17601  
(717) 659-0401

### Herb Barn

HC 64, Box 235D  
Trout Run, PA 17771  
(717) 995-9327

### Kingfisher, Inc.

P.O. Box 75  
Wexford, PA 15090-0075  
(412) 935-2233  
fax (412) 935-5515

### The Rosemary House

120 S. Market St.  
Mechanicsburg, PA 17055  
(717) 697-5111  
fax (717) 697-3222

## Rhode Island

### Meadowbrook Herb Garden

93 Kingstown Rd. (Route 138)  
Wyoming, RI 02898  
(401) 539-7603  
fax (401) 539-7199

## South Carolina

### Park Seed Co., Inc.

1 Parkton Ave.  
Greenwood, SC 29649  
(800) 845-3369  
fax (864) 941-4206  
<http://www.parkseed.com>

### R.H. Shumway

P.O. Box 1  
Graniteville, SC 29829-0001  
(803) 663-9771  
fax (888) 437-2733

### Otis Twilley Seed Co., Inc.

121 Gary Road  
Hodges, SC 29653  
(800) 622-7333  
fax (215) 245-1949  
<http://www.twilleyseed.com>

## South Dakota

### Gurney's Seed and Nursery Co.

110 Capital St.  
Yankton, SD 57079-2099  
(605) 665-1671  
fax (605) 9718  
<http://gurneys.com>

## Tennessee

### Algy's Herbs

1105 Old Lascassas  
Murfreesboro, TN 37130  
(615) 896-6754  
<http://www.algy.com/herb/index.html>

### Good Hollow Greenhouse & Herbarium

50 State Rock Mill Road  
Taft, TN 38488  
(615) 433-7640

### The Perfect Season

P.O. Box 191  
McMinnville, TN 37110  
(615) 668-3225

## Texas

### Fredericksburg Herb Farm

402 Whitney  
P.O. Box 927  
Fredericksburg, Texas 78624  
830-997-8615  
800-259-HERB (4372)  
fax: 830-997-5069  
<http://www.fredericksburgherbfarm.com>

### Hilltop Herb Farm

P.O. Box 325  
Chain-O-Lakes Resort  
Romayor, TX 77368  
(713) 592-5859

# Resources

Seed Resources



## It's About Thyme

11726 Manchaca Road  
Austin, TX 78748  
(512) 280-1192  
fax (512) 280-6356

## Utah

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Vermont

### Cook's Garden

P.O. Box 535  
Londonderry, VT 05148  
(800) 457-9703  
<http://www.cooksgarden.com>

### Le Jardin du Gourmet

P.O. Box 75  
St. Johnsbury Center, VT 05863-0075  
(802) 748-1446  
fax (802) 748-9592  
<http://www.artisticgardens.com>

### Vermont Bean Seed Co.

Garden Lane  
Fair Haven, VT 05743  
(803) 663-0217  
fax (888) 500-7333

## Virginia

### Brent & Becky's Bulbs

7900 daffodil Lane  
Gloucester, VA 23061  
(804) 693-3966  
fax (804) 693-9436  
<http://www.brentandbeckysbulbs.com>

### Edgewood Farm and Nursery

R.R. 2, Box 303  
Stanardsville, VA 22973  
(804) 985-3782

## Washington

### Abundant Life Seed Foundation

P.O. Box 772,  
930 Lawrence St.  
Port Townsend, WA 98368  
(360) 385-5660  
fax (360) 385-7455  
<http://www.abundantlifeseed.org>

### Hume, Ed Seeds, Inc.

P.O. Box 1450  
Kent, WA 98035  
Fax (206) 859-0694

### Irish Eyes

Garden City Seeds  
P.O. Box 307  
Thorp, WA 98946  
(509) 964-7000  
fax (800) 964-9210  
<http://www.irish-eyes.com>

### Rose Hill Herbs and Perennials

Route 4, Box 377  
Amherst, VA 24521

### Southern Exposure Seed Exchange

P.O. Box 460  
Mineral, VA 23117  
(540) 894-9480  
fax (540) 894-9481  
<http://www.southernexposure.com>

## West Virginia

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Wisconsin

### The Country Mouse

11780 W. Hafeman Road  
Orfordville, WI 53576  
(608) 879-2270

### J.W. Jung Seed Co.

335 S. High St.  
Randolph, WI 53957-0001  
(800) 247-5864  
fax (800) 692-5864  
<http://www.jungseed.com>

## Wyoming

Sorry! We have no seed listings in this state.  
If you know of a resource, please contact us.

## Canada

### Richter's Herbs

Goodwood, ON L0C 1A0 Canada  
+1.905.640.6677  
Fax. +1.905.640.6641  
<http://www.richters.com>

# Resources

## Environmental Education Web Links



## Environmental Education Web Links

### Environmental Education (EE)

---

#### America the Beautiful Foundation

<http://www.america-the-beautiful.org>

A great resource for all aspects of keeping America beautiful, including financial aid, corporate sponsorship, hands-on community activities, etc.

#### EE Link

<http://www.eelink.net>

Chock full of professional resources, classroom ideas, grant funding, and job listings for all you wandering souls. The most comprehensive EE site on the web!

#### IL Green Door

<http://www.isbe.state.il.us/ilgreendoor>

This site is sponsored by the Illinois State Board of Education and features EE resources for learners of all ages; includes information on careers, classroom activities, technology strategies, and connections to learning standards.

#### National Gardening Association

<http://www.garden.org>

A comprehensive resource for all aspects of gardening, including environmental issues, kids' gardening, planting tips, etc.

#### North American Association for Environmental Education

<http://www.naaee.org>

The North American Association for Environmental Education promotes a healthy, sustainable environment through education and provides support for environmental education and educators through a variety of programs and activities.

### Biodiversity

---

#### Biodiversity Web

<http://www.biodiversity.nl>

A technical report for five ecosystems (agro-ecosystems, coastal areas, forests, freshwater systems, and grasslands); provides detailed, complete information. Three of the reports are now available to order or view online: "Forest," "Grassland," and "Freshwater" ecosystems.

#### Chicago Wilderness

<http://www.chiwild.org>

Educational resources and information on how to become involved in local biodiversity conservation in the Chicagoland area.

#### Economics of Biodiversity

<http://www.biodiversityasia.org>

If you are interested in the topic of biodiversity as it relates to world trade issues, this site is for you. The mission of this site is "to influence, encourage, and assist societies throughout the world to conserve the integrity and diversity of nature and to ensure that any use of natural resources is equitable and ecologically sustainable". Great for making connections to economics.

#### Planet Pals

<http://www.planetpals.com/thinkgreen.html>

Classroom projects from around the world reflect what some students are working on to help our universe. You can contribute to Planet Pals by sending a link to your own classroom projects.

#### Value of Biodiversity

<http://www.nhm.ac.uk/science/projects/worldmap/diversity/index.html>

A world map defining areas of high concern for conservation leads to a discussion of biodiversity in economic terms. Measurement of biodiversity values are needed to determine the 'where' of in situ conservation action rather than the 'how', particularly in deciding which combinations of available areas could represent and help sustain the most biodiversity value for the future. This raises questions such as What is biodiversity? What is the value basis for measuring it? What practical approaches are available for measuring this biodiversity value?

### Art - Nature Connection

---

#### Art, Culture, Nature

<http://faculty.ssu.edu/~acn/>

Founded in 1997, ACN is an interdisciplinary organization that brings together artists and teachers in the fine and performing arts as well as environmentalists and educators in the humanities, sciences, and social sciences who are interested in the study of the connections between the arts and environmental studies.

#### ecoartspace

<http://www.ecoartspace.org>

ecoartspace is a proposed nonprofit eco-museum whose aim is to educate people of all ages about the principles of ecology and the model of creativity that nature presents, and to inspire a vision of a sustainable relationship between humans and the natural world.

#### Ecology Art Education Online

<http://www.nyu.edu/projects/julian/index.html>

This online project, "A World Community of Old Trees," is the result of a doctoral dissertation by June Julian of New York University. The philosophical basis for the project rests on viewing and experiencing nature as a part of ourselves, rather than separating humans from nature.



# Gather Your Resources

Environmental Education Web Links



## **Fibonacci Numbers and the Golden Rules**

<http://www.ee.surrey.ac.uk/Personal/R.Knott/Fibonacci/fib.html>

A fascinating study of one of nature's golden rules – patterns repeat themselves (albeit not without exception). Activities will challenge students and teachers to contemplate everyday items and encounters through a lens of math and art. An excellent classroom resource.

## **Schooling the Imagination**

<http://www.theatlantic.com/issues/99sep/9909waldorf.htm>

This three-part article, based on Waldorf Education methodology, describes how art and nature are intricately woven into this educational philosophy.

## **Self Expressing Earth**

<http://cgee.hamline.edu/see/seeonline/index.html>