

## Garden-Based Learning Library (UCCE)

Title	Author	Publisher	Copyright	Grade Level
Getting Started	Life Lab Science Program	Center for Ecoliteracy	2007	any
Schoolyard Mosaics	Eve Pranis, Amy Gifford	National Gardening Association	2009	any
101 Kid-Friendly Plants	Cindy Krezel	Ball Publishing	2007	any 20 copies
Healthy Foods from Healthy Soil	Elizabeth Patten, Kathy Lyons	Tilbury House	2003	any 7 copies
The Growing Classroom	Life Lab Science Program	National Gardening Association	2007	any
So Cal Native Plants for School Gardens	Betsy Landis	CNPS	1999	any
Child's Garden of Standards	CDE	CDE	2002	Grades 2-6
Wildlife Gardener	JMG	Texas AgriLife Extension Service	2004	Grades 3-5
Health and Nutrition from the Garden	JMG	Texas AgriLife Extension Service	2001	Grades 3-5
Literature in the Garden	JMG	Texas AgriLife Extension Service	2005	Grades 3-5
Tops & Bottoms	Janet Stevens	Harcourt Books	1995	Grades 3-5
Miss Rumphius	Barbara Cooney	Puffin Books	1982	Grades 3-5
The Gardener	Sarah Stewart	Square Fish	1998	Grades 3-5
Weslandia	Paul Fleischman	Candlewick Press	1999	Grades 3-5
Plantzilla	Jerdine Nolen	Voyager Books	2002	Grades 3-5
Brother Eagle, Sister Sky	Chief Seattle, Susan Jeffers	Penguin Books	1991	Grades 3-5
JMG Gardener Teachers Handbook	JMG	Texas AgriLife Extension Service	1999	Grades 3-5
JMG Gardener Student Handbook	JMG	Texas AgriLife Extension Service	1999	Grades 3-5
Botany on Your Plate	UC Berkeley Botanical Garden	National Gardening Association	2008	Grades K-4
Gardens for Learning	CSGN	CSGN	2006	Grades K-6
Kid's Garden	Whitney Cohen	Life Lab Science Program	2010	preschool
Garden Adventures	Sarah Ponders	National Gardening Association	2010	preschool
Sowing the Seeds of Wonder	National Gardening Association	National Gardening Association	2010	preschool
Early Sprouts	Karrie Kalich, Dottie Bauer, Deiri	Redleaf Press	2009	preschool

## Top Eight Curriculum Resources for School Gardens

### 1. Life Lab Science Curriculum

K-5 Science Curriculum, CA State Science Standards Matrix, sequential units and lessons, lab books, blackline masters in Spanish and English, units on food and nutrition. Life Lab Science Program also provides workshops using this publication.

### 2. The Growing Classroom: Garden-Based Science Activity Guide

Jaffe, Roberta and Gary Appel. Menlo Park, CA: Addison-Wesley Publishing Company, 1990. CA State Science Standards Matrix, sequential chapters, suggested grade levels, food and nutrition units, blackline masters/lab sheets, extensive appendices. (490 pages) Life Lab Science Program also provides workshops using this publication.

### 3. Grow Lab: A Complete Guide to Gardening in the Classroom

Pranis, Eve and Jack Hale. South Burlington, VT: National Gardening Association, 1988.

4. KidsGardening.com from the National Gardening Association is one of the best online resources for gardening with kids. An extensive gardening with kids store and searchable database of lessons and articles are a few of this site's offerings. View their newsletter for current list of funding opportunities. [www.kidsgardening.com](http://www.kidsgardening.com)

### 5. Jr. Master Gardener Program and Publications

An international youth gardening program of the University Cooperative Extension network whose mission is to grow good kids by igniting a passion for learning, success and service through a unique gardening education.

- Junior Master Gardener Teacher/Leader guide (grades 3-5)
- Junior Master Gardener Handbook (grades 3-5)
- Health and Nutrition from the Garden Teacher/Leader guide
- Wildlife Gardener Teacher/Leader guide
- Operation Thistle: Seeds of Despair Plant Growth & Development (grades 6-8)

### 6. Math in the Garden & Botany on Your Plate – UC Berkeley Botanical Garden

This engaging curriculum uses a mathematical lens to take children on an education-filled exploration of the garden. Dozens of hands-on activities hone math skills and promote inquiry, language arts, and nutrition. All were developed to support mathematics and science standards and were extensively trial-tested by educators and youth leaders nationwide. Grades K-8, 160 pages.

### 7. California Foundation for Agriculture in the Classroom. <http://www.cfaitc.org>

### 8. Digging Deeper, Integrating Youth Gardens into Schools and Communities

Kiefer, Joseph & Kemple, Martin. Food Works and Common Roots Press, 1998.

## Free Resources from CSGN Partners [www.csgn.org](http://www.csgn.org)

### **Gardens for Learning**

Gardens for Learning is a comprehensive guidebook that provides a strong foundation to support the growing school garden movement. It was developed by a team of experienced garden educators, nutritionists, state officials, and other garden experts. This guidebook is a must-have resource for anyone looking to enhance learning through the use of gardens in schools and other community settings. [Click here to order.](#)

### **Gardens for Learning Standards Supplement**

The California Foundation for Agriculture in the Classroom has produced a supplement to the *Gardens for Learning* book. This supplement maps the activities mentioned in the book to California State Education Standards for grades K-6. You can download or request a free copy at [www.cfaitc.org/gardensforlearning](http://www.cfaitc.org/gardensforlearning).

### **California Department of Education School Garden Resource Packet**

Contains over ten items, including Life Lab Science Program's "Getting Started: A Guide for Creating School Gardens as Outdoor Classrooms." California Teachers request your free copy, by sending your mailing address [here](#).

**A Child's Garden of Standards: Linking School Gardens to California Education Standards**  
A guide to garden-based education using existing curricula in grades 2nd through 6th. It links activities selected from several published educational materials to specific academic content standards at each grade level in science, history/social sciences, mathematics, and English language arts. These varied publications, many already widely used and field-tested by teachers statewide, feature effective garden-based learning strategies. [Download a PDF order form](#) to purchase a hard copy or [download a PDF version for free](#) at the CDE's download page..

### **Farming is Food, Fiber, Flowers... And Fun: A Workbook and Resource Guide for Growers of School Gardens**

A [workbook](#) created by the California Foundation for Agriculture in the Classroom designed to help you plan a garden project. Browse <http://www.cfaitc.org/> for loads of resources to connect your students to agriculture.

### **Plant a Seed, Watch it Grow**

Web based guide to starting, caring for, and teaching in a school garden created by the Master Gardener Association of San Diego.

### **Student's Guide to Composting**

*Composting in the Classroom: Scientific Inquiry for High School Students*, by Nancy Trautmann and Marianne Krasny is a comprehensive guide for teachers interested in guiding compost research projects by high school students. [Click here to download.](#)

## Garden Enhanced Nutrition Education Selected References and Resources

### BOOKS:

***Botany on Your Plate: Investigating the Plants We Eat.*** Katharine Barrett, Jennifer White, and Christine Manoux. K-4 investigative science unit introducing botany through the foods we eat. National Gardening Association. <http://www.gardeningwithkids.org/11-3350.html>

**Fresh Fruit and Vegetable Photo Cards.** CA Dept of Education, Nutrition Services Division. Set of 142 beautiful color photographs of every imaginable fruit and vegetable. In both English and Spanish. Nutrition information on back. <http://www.cde.ca.gov/re/pn/rc/>

***The Growing Classroom Garden and Nutrition Activity Guide.*** Jaffe and Appel. Life Lab Science Program, 2007. Provides activities for teaching science, environmental awareness, and nutrition in an outdoor living laboratory garden setting as well as in a classroom setting. Very educator-friendly with dozens of easy-to-implement outdoor classroom activities. National Gardening Association. \$39.95 <http://www.lifelab.org>.

***Healthy Food from Healthy Soils.*** Elizabeth Patten and Kathy Lyons. K-6 activity guide offering 45 experiential activities that help children understand more about nutrition, agriculture, and recycling. Tilbury House Publishers. \$19.95. <http://www.tilburyhouse.com/childrens/healthy-foods-from-healthy-soils.htm>

***JMG Kids Activities; Teacher/Leader Guide; Health & Nutrition from the Garden; Literature in the Garden; Operation Thistle and Operation Water (for older kids).*** Junior Master Gardener, Texas Agricultural Extension Service. Easy activities, especially useful for an after school setting. Based on solid science and research, these guides offer a range of activities around science, literature and nutrition. <http://www.jmgkids.us>. Prices vary.

***Nutrition to Grow On: A Garden-Enhanced Nutrition Education Curriculum for Upper Elementary School Children.*** California Department of Education. 2001. Innovative curriculum for grades 4-6 that offers teachers a direct link between the garden and nutrition education. Nine lessons teach children and their families about nutrition by relating each lesson to a garden activity. This guide helps students develop a deeper understanding of where food comes from. Order from CDE Press <http://www.cde.ca.gov/re/pn/rc/> \$17.50

***Project Food, Land & People Resources for Learning.*** 2<sup>nd</sup> edn. 55 lessons for PreK-12 designed to show the interdependence of agriculture, the environment, and human needs. <http://www.foodlandpeople.org> ~\$55-\$75.

***TWIGS Youth Development Program: Focus on Gardening and Nutrition.*** Johns, Marilyn. University of California Cooperative Extension. 30 field-tested gardening and nutrition lessons for classroom or after school programs. The activities are intergenerational, hands-on, flexible and fun. It includes reproducible handouts and is well laid-out and easy to implement with kids or adults. Very easy to use. Email [mijohns@ucdavis.edu](mailto:mijohns@ucdavis.edu) \$25.

### WEBSITES:

**California Foundation for Agriculture in the Classroom.** Comprehensive list of children's literature relating to agriculture, plus curriculum guides, downloadable commodity fact sheets. Also available is a useful guide on Food Safety for kids: *From Farm to Fork*. <http://www.cfaifc.org>

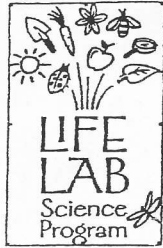
**California Master Gardeners.** Get gardening information specific to your county. Ask gardening questions and get free gardening handouts on pruning and fertilizers to soils and insects. <http://www.mastergardeners.org>

**California School Garden Network.** One-stop-shop with garden curriculum; research supporting garden-based learning; training and funding opportunities; many useful links and more. Teachers can download a copy of *Gardens for Learning*. <http://www.csgn.org>

***Harvest of the Month.*** CA Dept of Health Services. HOTM offers very useful, informative and fun activities for teachers and others to use in the classroom as well as to send home to parents. Organized along seasonal lines, these materials make it easy for educators to teach nutrition concepts. <http://www.harvestofthemonth.com>

***Kids Cook Farm-Fresh Food.*** California Department of Education. 2002. Activity guide that links academic content standards to the real world through gardens, nutrition, and cooking. Grades 2 - 7 recipes. Downloadable at [www.healthyschoolenvironment.org](http://www.healthyschoolenvironment.org).

***Team Nutrition and MyPyramid for Kids.*** This site offers numerous curricula and materials relating to nutrition, physical activity and healthy lifestyle for kids. <http://teamnnutrition.usda.gov>, <http://teamnnutrition.usda.gov/library.html> and <http://teamnnutrition.usda.gov/kids-pyramid.html>



## Educational Gardening Resources

Compiled by Life Lab Science Program  
[www.lifelab.org](http://www.lifelab.org)

### Selected Books

#### Story Books/Children's Literature

Browse the following awards lists for excellent garden-based children's literature.

- American Horticulture Society's Growing Good Kids Award Winners and Classics lists:  
[http://www.ahs.org/awards/excellence\\_in\\_childrens\\_literature.htm](http://www.ahs.org/awards/excellence_in_childrens_literature.htm)  
<http://www.jmgkids.us/index.cfm?did=11777>
- California Foundation for Ag in the Classroom's "Bookshelf"  
[www.cfaitc.org/Bookshelf/Bookshelf.php](http://www.cfaitc.org/Bookshelf/Bookshelf.php)

#### Garden Planning and Design

Gardens for Learning - California School Garden Network

Getting Started - Life Lab Science Program

Natural Learning - Robin C Moore and Herb H. Wong

Plants for Play - Robin C. Moore, MIG Communications.

The Edible Schoolyard, Learning in the Real World - Center for Ecocliteracy

A Child's Garden - Molly Dannen Maier, Archetype Press

Schoolyard Mosaics - National Gardening Association

Build Your Own Earth Oven - Kiko Denzer

The Zoo Garden - Chris Hastings, Longstreet Press, Inc.

Digging Deeper - Joseph Keifer and Martin Kemple, Food Works and the Common Roots Press

Growing, Eating, Living: A Garden Guide for Head Start -

California Head Start Association, [www.caheadstart.org](http://www.caheadstart.org)

#### Garden Activity Guides/Curricula

The Growing Classroom - Roberta Jaffe & Gary Appel. Life Lab

Life Lab Science Curriculum: K-5 Garden Based Science

Curriculum - Life Lab Science Program

A Child's Garden of Standards - Linking School Gardens to

California Standards - (Grades 2-6) CDE Press, Download at  
<http://www.cde.ca.gov/re/pn/sfd/>

Popcorn - (Primary Grades) Life Lab Science Program.

Maize - (Grades 5-8) Life Lab Science Program.

Children's Gardens - Elizabeth Bremner and John Pusey,

University of California Cooperative Extension Common Ground Garden Program

Guide to Kids' Gardening - Lynn Ocone with Eve Pranis Wiley, National Gardening Association

Green Fun: Plants as Play - Marianne Haug Gjersvik, Firefly Books

Junior Master Gardener Handbook - Texas Ag Extension

#### Food/Nutrition/Farming Activity Guides/Curricula

TWIGS - Garden Nutrition Curriculum, purchase from San Mateo Cooperative Extension

Nutrition to Grow On - Garden-based nutrition activities for grades 4-6, CDE Press

Kids Cook Farm Fresh - Recipes and harvest activities to do with kids, CDE Press

Fruit and Vegetable Cards - Photos and information, CDE Press

Nutrition Garden Starter Packets - CDE Press, Call (916)323-2473

The Visual Food Encyclopedia - Fortin & D'Amico, MacMillian

The Children's Kitchen Garden - Georgeanne and Ethel Brennan, Ten Speed Press

Healthy Food From Healthy Soil - Elizabeth Patten and Kathy Lyons

Farm to Table and Beyond - Teachers College, Columbia University

#### Worms and Compost

Squirmy Wormy Composters - Bobbie Kalman and Janine

Schaub, Crabtree Publishing Company

Wormology - Michael Elson Ross, Carolhoda Books, Inc.

Create from Waste - Life Lab Science Program.

Compost By Gosh! - Michelle Eva Portman, Flower Press

The Worm Café - Binet Payne, Flower Press.

Worms Eat Our Garbage - Mary Appelhof, Mary Frances Fenton, Barbara Loss Harris

Create from Waste - Waste reduction/compost activity guide for teachers [www.lifelab.org](http://www.lifelab.org)

Away With School Waste - Waste reduction implementation guide book for administrators and teachers. [www.lifelab.org](http://www.lifelab.org)

#### Selected Websites

##### General Information/Activities for Gardening with Kids

[www.lifelab.org](http://www.lifelab.org) - Program, workshop and event information.

Ordering form for Life Lab curricula and books.

[www.csgn.org](http://www.csgn.org) - California School Garden Network, the place to go to learn about scholastic gardening and nutrition ed. Lesson plans, grants, regional contacts and more.

[www.kidsgardening.com](http://www.kidsgardening.com) - The National Gardening Associations website for garden educators. Extensive resources, grant ideas and online store.

<http://www.mastergardenerssandiego.org/plantaseed/index.html> - A great web based guide to creating a school garden

[www.cfaitc.org](http://www.cfaitc.org) - California Foundation for Agriculture in the Classroom has an extensive web site full of ag literacy resources and crop information.

<http://cerp.cornell.edu/directory/default.asp> -

National Agriculture in the Classroom Resource Directory

<http://anrcatalog.ucdavis.edu/> - The UC's agriculture and natural resources catalog with a wide range of educational and instructional products, many free downloads

[http://www.cerp.cornell.edu/aitc/KGF\\_Resources.html](http://www.cerp.cornell.edu/aitc/KGF_Resources.html) - Kids

Growing Food Resources - loads of organizational links

<http://www.dnred.com/owlkit.pdf> - Great download on owl pellet

exploration

Life Lab Science Program/UCSC CASFS

(831) 459-2001 — fax: 459-3483 — [www.lifelab.org](http://www.lifelab.org)

<http://www.creec.org> - The CREEC Network is the best source for Environmental Education resources in California.

### Food/Nutrition

[www.harvestofthemonth.com](http://www.harvestofthemonth.com) - Great free resources on California produce, seasonal garden lessons, nutrition and more

[www.cookingwithkids.net](http://www.cookingwithkids.net) - Educational materials, lessons, recipes, and many free downloads.

[www.usda.gov](http://www.usda.gov) - The United States Department of Agriculture website. Browse by subject for "Education and Outreach" to find nutrition resources and activities.

[www.foodroutes.org](http://www.foodroutes.org) - Information on the advantages of local foods and how to incorporate them into your diet.

[www.farmtoschool.org](http://www.farmtoschool.org) - Programs nationwide that connect schools and farms to serve healthier food and teach children about where food comes from.

### Plant and Supply Sources

[www.crfg.org](http://www.crfg.org) - California Rare Fruit Growers, great information on rare fruit you can grow in your garden.

[www.mynativeplants.com](http://www.mynativeplants.com), [www.cnps.org](http://www.cnps.org) & [www.laspilitas.com](http://www.laspilitas.com) - All good resources on native plants. Also consult with local native nurseries in your area.

<http://www.carnivorousplants.org> & [www.californiacarnivores.com](http://www.californiacarnivores.com) - Info on carnivorous plants and online ordering.

[www.groworganic.com](http://www.groworganic.com) - Peaceful Valley Farm Supply, online catalog for all your organic farming and gardening needs.

[www.dripworksusa.com](http://www.dripworksusa.com) - Irrigation supplies and free drip system designs!

[www.needham.mec.edu/ScienceCenter/Sundial.html](http://www.needham.mec.edu/ScienceCenter/Sundial.html) - Information on how to order installation directions for a human sundial for your latitude.

### Sustainable Agriculture Education Resources

<http://www.sare.org/publications/edguide.htm> - K-12 Sustainable Agriculture Education Resources. A big list!

<http://www.caff.org/programs/f2sManual.shtml> - Farm to School Farm Visit Manual

<http://attra.ncat.org/education.html> - National Sustainable Agriculture Information Service. Loads of info.

[www.oneworld.net/penguin/genetics/home.html](http://www.oneworld.net/penguin/genetics/home.html) - A non bio-life industry sponsored website about genetic engineering.

<http://foodsys.cce.cornell.edu/overview.html> - Cornell University's Discovering the Food System an online curriculum for 12-18 year olds.

<http://www.sustain.iastate.edu/lessons.html> - 9 Sustainable Horticulture online lesson plans

<http://casfs.ucsc.edu/education/instruction/tofg/index.html> - UCSC CASFS Teaching Organic Farming and Gardening. A 600 page Resource for Instructors. Free download or purchase hardcopy.

<http://studentfarm.ucdavis.edu/StudentFarm/edumat/saguides> - nine field-based activities focusing on sustainable agriculture activities and concepts that can be completed within one hour.

### Vegetable /Flower Growing and Harvest Guides

<http://www.organicgardening.com> - Learn organic gardening tips, sign up for monthly garden reports for your area.

<http://www.garden.org/regional/report> - Get gardening information for your region, sign up for bi monthly reminders

<http://www.burpee.com> - Great information on gardening and seed catalog

<http://www.garden.org/foodguide/browse> - Information on planting and harvesting

<http://www.territorial-seed.com> - Great catalog and information on particular crops.

[www.ucsc.edu/casfs](http://www.ucsc.edu/casfs) - Center for Agroecology and Sustainable Food System great information and links on sustainable agriculture. Downloadable "For the Gardener" organic gardening tip sheets found in the community outreach section.

### Music

Banana Slug String Band - Kids' songs to enrich science and conservation education. CDs include "Singing in the Garden," "Dirt Made My Lunch" and many more.

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

### Affordable Sign Making

HP LaserJet Tough Paper. It is tear proof, waterproof and can be printed on a color or b/w laser printer or photocopier. Mount your sign in a garden tag sign holder or use spray adhesive to mount on a plexiglass type material.

Another option is to create informative and decorative tiles at paint your own ceramic shop. Tiles can be mounted on wood and posted in garden for a durable, weather proof, long lasting sign.

The professional high-pressure laminate signs on display in the Garden Classroom were manufactured by [www.folia.ca](http://www.folia.ca). They are UV resistant and carry a ten year warranty. Life Lab offers digital formats of our various garden theme signs that can be produced for display in your garden. [www.lifelab.org](http://www.lifelab.org)

The wooden carved signs in the Garden Classroom were made by a local company called Freedom Signs (831) 761-0400. Cathy Reinhard was one of our sign designers, (530) 758-2507

### Grants Galore: Win One for Your School or Youth Program -

The following websites keep updated lists on current grant opportunities for garden-based learning.

- <http://www.kidsgardening.com/grants.asp>
- <http://kids.garden.org/subscriptions/subscription.php> Subscribe for the *Kids' Gardening News* e-newsletter for monthly updates on grant opportunities, view current newsletter for a list current grants.
- [www.csgn.org](http://www.csgn.org) California School Garden Network lists various grant opportunities including the California Fertilizer Foundation and the Western Growers Association school garden grants.

**Life Lab Science Program/UCSC CASFS**  
**(831) 459-2001 — fax: 459-3483 — [www.lifelab.org](http://www.lifelab.org)**

## Selected References and Resources For School Garden Programs

The following are valuable references in addition to those listed in *Gardens for Learning* (93 – 95).

### Useful Web sites

**California Association of Nurseries and Garden Centers.** "Education and Career" section includes curriculum ideas and many links to horticulture sources. <http://www.cangc.org>

**California Foundation for Ag in the Classroom:** Offers online publications and resources for teachers. Comprehensive list of children's literature relating to agriculture, plus curriculum guides, writing contests, and a great site for kids with science fair project ideas. <http://www.cfaic.org>

**California Integrated Waste Management Board.** Information on composting and recycling. <http://www.ciwmb.ca.gov>

**California School Garden Network:** One-stop-shop site that includes garden curriculum for teachers and garden volunteers; research about garden-based learning; training and funding opportunities; many useful links and more. <http://www.csgn.org>

**California Master Gardeners.** Get gardening information specific to your county. Ask gardening questions and get free gardening handouts on pruning and fertilizers to soils and insects. <http://www.mastergardeners.org>

**Growing Good Kids: Excellence in Children's Literature.** This award, presented by Junior Master Gardeners, recognizes children's books that promote an appreciation for gardening and the environment. <http://www.imgkids.us/index.k2?did=11777>

**National Gardening Association.** Essential site for information about gardening: resources, books, expert advice, regional information by zip code. <http://www.garden.org>

**NGA Kids Gardening!** Offers teacher resources, gardening information, newsletter, grants and funding sources. <http://www.kidsgardening.com>

**University of California Agriculture and Natural Resources.** Find your county's cooperative extension office to get specific growing information for your region. <http://ucanr.org/ce.cfm>  
Clearinghouse for UC ANR Gardening publications. <http://ucanr.org/pubs.shtml>

**University of California Integrated Pest Management Program.** Invaluable storehouse of information about landscape management, beneficial and pest insects, plant diseases, mites, nematodes and weeds. Photos of plants, pests and their enemies. <http://www.ipm.ucdavis.edu>

### Garden Reference Books

Jeavons, John. *How to Grow More Vegetables (than you ever thought possible on less land than you can imagine)*. Ten Speed Press. 1982.

Kourik, Robert. *Designing and Maintaining Your Edible Landscape Naturally*. Metamorphic Press. 1986.

Kourik, Robert. *Drip Irrigation for Every Landscape*. Metamorphic Press, 1992.

Sunset. *Western Garden Book, 8<sup>th</sup> Edn.* Sunset Books, Inc. 2007.

Life Lab Science Program  
UC Davis Children's Garden Program

Creating and Sustaining Your School Garden  
Resources for Successful School Garden Programs: Selected Resource List  
Updated June 2007

## Sources of Supplies

**Garden Tools by Lee Valley.** High quality tools for affordable prices. 800-871-8158.  
<http://www.leevalley.com>

**Harmony Farm Supply & Nursery,** Organic Farm and Garden Supply. 3244 Hwy.116 North  
Sebastopol, CA 95472. 707-823-9125 <http://www.harmonyfarm.com>

**Johnny's Selected Seeds.** Flower and vegetable seeds in bulk. Wonderful germination and growing  
information. Popcorn, Indian corn, seeds for sprouting. Winslow, Maine. 207-861-3901.  
<http://www.johnnyseeds.com/catalog/hgindex.html>

**Peaceful Valley Farm Supply.** Extensive Farm and Garden Supply. Call for a catalog. They only send  
it once per year. Grass Valley, CA. 888-784-1722 or 530-272-4769.  
<http://www.groworganic.com>

**Seeds of Change.** 100% certified open-pollinated organic seeds, traditional, heirloom and unique  
varieties. Seed donation program for schools. Santa Fe, NM. 888-762-7333.  
<http://www.seedsofchange.com>

**Soil Testing: A & L Western Laboratories.** 1311 Woodland Ave #1, Modesto, CA 95351.  
(209) 529-4080. <http://www.al-labs-west.com/>

## School Garden Grant Opportunities

**California Fertilizer Foundation.** CA Fertilizer Foundation School Garden Grant Program. CFF  
awards grants of \$1,000 to California K-12 school garden programs. Awards include educational  
materials. Applications reviewed in January and June. <http://www.calfertilizer.org/grant.htm>

**Fiskars—Project Orange Thumb.** Grants are geared toward community involvement & schools are  
encouraged to apply. Up to \$1,500 plus more. Watch web site for future grant cycles.  
<http://www.fiskars.com/US/Garden/Project+Orange+Thumb/About>

**Junior Master Gardener Program.** Periodic grant offerings. National Science Teachers Assn and  
Toyota Tapestry partnered to offer grant for 2007-08 school year. Watch for future  
opportunities. <http://www.jmgkids.us>

**Lowe's Charitable and Educational Foundation.** Outdoor Classroom Grant Program. Grant  
applications are reviewed three times per year. Grants range from \$2,000 for a school to  
\$20,000 for major outdoor classroom projects for a district. <http://www.lowes.com>

**OSH—Orchard Supply Hardware.** Grants up to \$1,000 awarded in 2006-2007 school year for building  
a garden with OSH supplies. Watch web site for future developments. <http://www.osh.com>

**Western Growers Charitable Foundation.** From WGA Homepage, click on School Gardens. WGA  
offers grants of \$1,000 and \$1,500 plus garden start-up supplies. Award money must be used  
mainly for supplies. Applications due November and June of each year. <http://www.wga.com>

➤ **Be sure to check your local businesses for in-kind donations: nurseries, garden supply and  
hardware stores, landscape, soil, and irrigation supply stores. They are often happy to  
contribute to school gardens!**



## Starting School Garden Programs

**Children's Gardens: A Field Guide for Teachers, Parents, and Volunteers.** Bremner, Elizabeth and John Pusey. University of California Cooperative Extension Common Ground Garden Program. 3<sup>rd</sup> edn. \$12.00+SH. <http://celosangeles.ucdavis.edu>

**School Garden Resource Packet.** CA Dept of Education, Nutritional Services Division. Contact CDE by phone 800-952-5609 or email: [dtamanna@cde.ca.gov](mailto:dtamanna@cde.ca.gov) for a packet.

**School Garden Start-Up Guide** (downloadable pdf in English and Spanish) Common Ground Garden Program. UC Cooperative Extension, Los Angeles County. <http://celosangeles.ucdavis.edu>

**Schoolyard Mosaics: Designing Gardens and Habitats** National Gardening Association. 2002 \$19.95 <http://www.kidsgardeningstore.com>

## Teaching Materials for Garden Educators

Applehof, Mary, et al., **Worms Eat Our Garbage. And Worms Eat My Garbage.** 1993. Flowerfield Enterprises, LLC. Over 100 lessons focus on the world of worms, vermicomposting and beyond the worm bin. Activities address a broad range of math and ELA standards. <http://www.wormwoman.com>

California Department of Education. **A Child's Garden of Standards.** Links garden-based activities from existing curricula with academic content standards for grades 2-6. **Kids Cook Farm-Fresh Food.** Activities and recipes that use fresh, seasonal, local produce. **Nutrition to Grow On.** Curriculum for grades 4-6. Available from CDE. <http://www.cde.ca.gov/re/pn/rc/> or download A Child's Garden of Standards at <http://www.cde.ca.gov/re/pn/fd/>.

California Integrated Waste Management (CIWMB). **Closing the Loop 2000 and Worms, Worms and Even More Worms.** 1998. Fifty lessons organized into two sections: K-3 and 4-6. Units cover nutrient cycles, resource conservation, and waste reduction including composting and vermicomposting. CIWMB provides teacher training. <http://www.ciwmb.ca.gov>

Life Lab Science Program. **The Growing Classroom.** 2007. Step by step instructions for setting up a garden-based science program and dozens of outdoor classroom activities. <http://www.lifelab.org>

UC Cooperative Extension, San Mateo & San Francisco Counties. **TWIGS Youth Development Program.** 1997. Fifteen basic gardening lessons and 15 cooking lessons are designed for use in classroom or after school program. <http://cesanmateo.ucdavis.edu/>

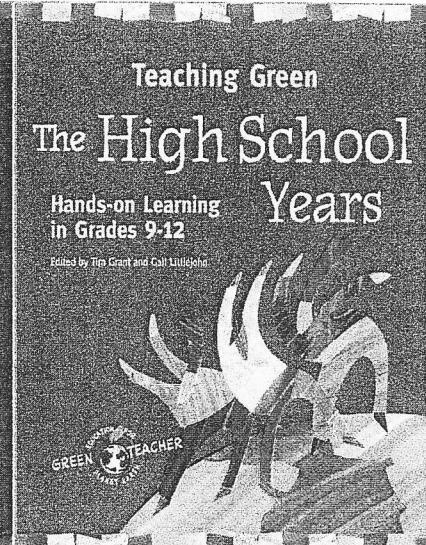
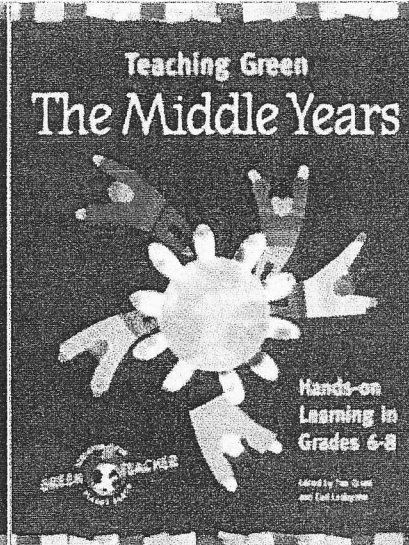
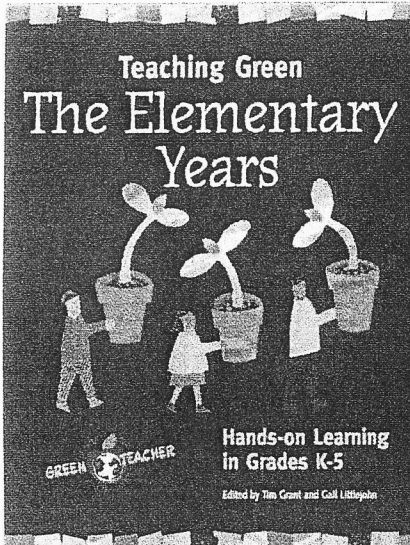
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**Science Discovery** (Mike diMilo). Offers IWM presentations for grades K-5, including recycling, vermicomposting, and "Trees to Paper".  
email: [sciencediscovery@sbcglobal.net](mailto:sciencediscovery@sbcglobal.net)

**Junior Master Gardener** Has kids' activities related to the JMG Teacher's Manual. Describes available books for their programs grades 3-8. [www.jmgkids.us](http://www.jmgkids.us)

**CA 4-H** Lists the correlations of the JMG Teacher's Manual lessons grades 3-5 to the CA content standards. [www.ca4h.org](http://www.ca4h.org)

# Green Teacher Books



Teaching Green - The Elementary Years: Hands-on Learning in Grades K-5

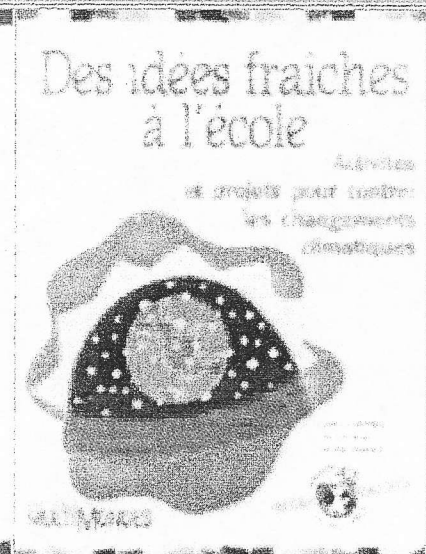
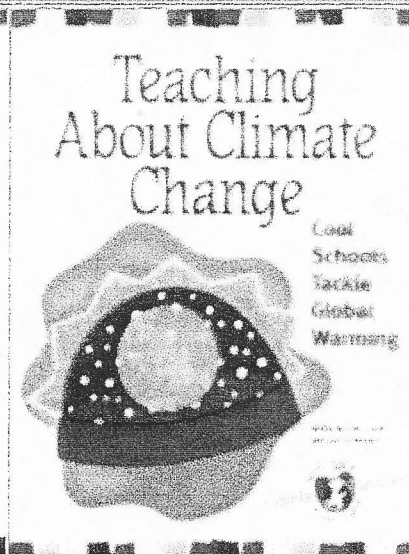
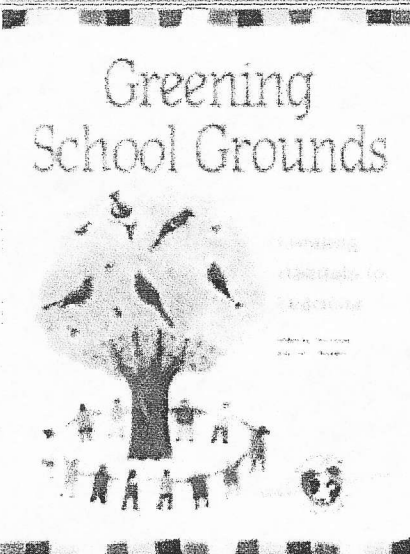
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Teaching Green - The Middle Years: Hands-on Learning in Grades 6-8

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- Single copy and bulk prices

Teaching Green - The High School Years: Hands-on Learning in Grades 9-12

Available September 2008  
Order before August 25, 2008  
 and take advantage of our pre-publication prices



Greening School Grounds: Creating Habitats for Learning

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- Introduction

Teaching About Climate Change: Cool Schools Tackle Global Warming

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- Introduction

Des idées fraîches à l'école: Activités et projets pour contrer les changements climatiques

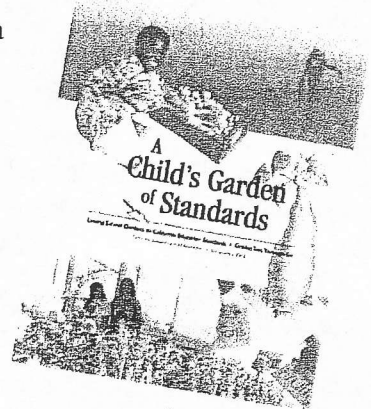
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# Garden-Based Education Resources

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Available from the California Department of Education

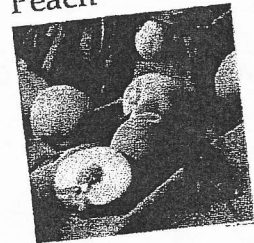
*A Child's Garden of Standards: Linking School Gardens to California Education Standards* is a guide to garden-based education using existing curricula in grades two through six. It links activities selected from several published educational materials to specific academic content standards at each grade level in science, history/social sciences, mathematics, and English language arts. These varied publications, many already widely used and field-tested by teachers statewide, feature effective garden-based learning strategies. Activities featured in this guide were chosen for their strong support of one or more education standards and ease of integration into grade-level curricular activities. *A Child's Garden of Standards* shows how instructional school gardens can make academic content standards come alive for students, encouraging their creativity, problem solving, and sheer love of learning that come from hands-on, experiential learning. Free download at <http://www.cde.ca.gov/ls/nu/he/documents/childsgarden.pdf>.



*Fresh Fruit and Vegetable Photo Cards* is a set of 140 beautiful, color photographs suitable for framing. The front of each fully laminated 8.5" x 9.5" card displays a color photograph of a fruit or vegetable with its name in English and Spanish. On the reverse is a bar graph displaying an analysis of nutrients, suggested serving size, and other useful information.

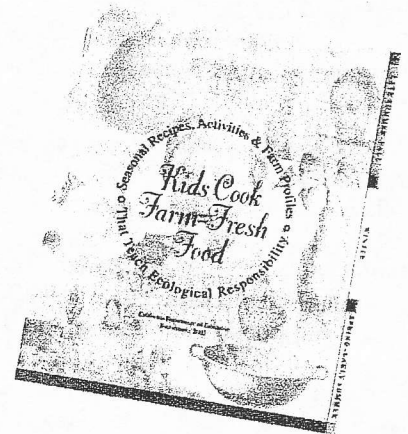
To order the set of photo cards (\$50 plus tax, shipping, and handling), visit the California Department of Education's 2009 Educational Resource Catalog at <http://www.cde.ca.gov/re/pn/rc/documents/catalog2009.pdf>.

Peach

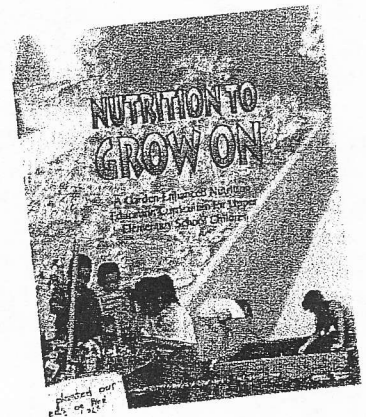


Durazno

*Kids Cook Farm-Fresh Food* is an activity guide that links academic content standards to the real world through gardens, nutrition, cooking, recycling, and the environment. Activities engage teachers and students in grades two through seven in exploring fresh, seasonal, locally grown produce through direct experience. Using tested recipes and farm profiles, *Kids Cook Farm-Fresh Food* links agriculture and the culinary arts to reading, mathematics, social sciences, and geography. This guide also links food and nutrition to the concept of sustainable agriculture, which is a commitment to growing and distributing food in an environmentally sound, economically viable, and socially just manner. Alongside instructional school gardening experiences, this guide helps students to develop a deeper understanding of where food comes from, and how farmers bring life from the land, while students apply math, language, and other core skills. Soon to be available for free download at <http://www.cde.ca.gov>.



*Nutrition to Grow On* is an innovative curriculum for grades four through six that offers teachers a direct link between the garden and nutrition education. Nine lessons are designed to teach children and their families about nutrition by relating each lesson to a garden activity. The curriculum uses the garden to integrate disciplines, including science, mathematics, language arts, history, environmental studies, nutrition and health, while reinforcing some of the California academic content standards. School gardens are wonderful sources of food and beauty and outlets for physical activity; they can also help students discover fresh food and learn to make healthier food choices. *Nutrition to Grow On* taps into these instructional gardens to cultivate the students' talents and skills while enriching their capacities for observation and thinking. Free download at <http://www.cde.ca.gov/ls/nu/he/nrttogrow.asp>.



For a free school garden resource packet, e-mail us at [gardengrant@cde.ca.gov](mailto:gardengrant@cde.ca.gov).

## Other School Garden Resources

**Gardens for Learning:** A comprehensive guidebook that provides a strong foundation to support the growing school garden movement. It was developed by a team of experienced garden educators, nutritionists, state officials, and other garden experts. This guidebook is a must-have resource for anyone looking to enhance learning through the use of gardens in schools and other community settings. <http://www.csgn.org/page.php?id=36>

**Gardens for Learning Standards Supplement:** The California Foundation for Agriculture in the Classroom has produced a supplement to the *Gardens for Learning* book. This supplement maps the activities mentioned in the book to California State Education Standards for grades K-6. You can download or request a free copy at [www.cfaitc.org/gardensforlearning](http://www.cfaitc.org/gardensforlearning).

**Farming is Food, Fiber, Flowers... And Fun: A Workbook and Resource Guide for Growers of School Gardens:** A workbook created by the California Foundation for Agriculture in the Classroom designed to help you plan a garden project. Browse <http://www.cfaitc.org/> for loads of resources to connect your students to agriculture. <http://www.cfaitc.org/GardenGuide/GardenGuide.php>

**Plant a Seed, Watch it Grow:** Web based guide to starting, caring for, and teaching in a school garden created by the Master Gardener Association of San Diego. <http://www.mastergardenerssandiego.org/plantaseed/index.html>

**Student's Guide to Composting:** *Composting in the Classroom: Scientific Inquiry for High School Students*, by Nancy Trautmann and Marianne Krasny is a comprehensive guide for teachers interested in guiding compost research projects by high school students. <http://compost.css.cornell.edu/CIC.html>

**Fruits and Vegetables for Health:** The comprehensive unit, created by the California Foundation for Agriculture in the Classroom, teaches students about the production, distribution, and nutritional value of California fresh produce, Geography, language arts, mathematics, science, health, and nutrition concepts are incorporated. Aligned to the Content Standards for California Public Schools. <http://www.cfaitc.org/LessonPlans/LessonPlans.php?details=409>

**Healthy Foods From Healthy Soils: A Hands-On Resource For Teachers:** by Patten, Elizabeth and Lyons, Kathy. Tilbury House Publishers, 2003. Simple concepts and fun activities to show children the big picture-how quality soil is the basis of nutritious foods, and how eating a variety of wholesome foods leads to healthy bodies. The program enhances existing curricula through methods that include writing, art, scientific investigation, music, and puppetry. [http://www.tilburyhouse.com/Children%27s%20Frases/child\\_health\\_fr.html](http://www.tilburyhouse.com/Children%27s%20Frases/child_health_fr.html)

**TWIGS: Teams with Intergenerational Support:** U.C. Cooperative Extension, 30 lessons for children, K-6, to help them connect principles of good nutrition with gardening. The materials cross age boundaries, making it easy for teens or seniors to use the materials with children. 1997. [http://cesanmateo.ucdavis.edu/Custom\\_Program850/](http://cesanmateo.ucdavis.edu/Custom_Program850/)

**Sustainable Agriculture Resources and Programs for K-12 Youth:** This 16-page (PDF) guide to sustainable agriculture-oriented educational opportunities for schoolchildren features more than 50 programs and curricula nationwide. Includes direct links, program contract information and ideas for integrating lessons into school programs. <http://www.sare.org/publications/edguide/htm>

**California Farm to School Program:** California Programs that connect schools with local farms with the objectives of serving healthy meals in school cafeterias, improving student nutrition, providing health and nutrition education opportunities that will last a lifetime, and supporting local small farmers. <http://www.cafarmtoschool.org/>

**Creating and Sustaining Your School Garden Workshop Trainer Resources:** Find downloads for all printed materials needed to conduct a Creating and Sustaining Your School Garden Workshop. In addition there are downloads of the Power of School Gardens PowerPoint, a sample evaluation, sample workshop flier, sample agenda, workshop supply list, and a list of all workshop handouts to aid you in creating your workshop. <http://www.csgn.org/page.php?id=75>

**Life Lab Publications: The Growing Classroom: Garden-Based Science New Edition:** 480 pages of science, math and language arts activities that you can do with you students in the garden. Activities are aligned with the California State Science Content Standards. Topics include soil, plants, cycles, ecology, weather, nutrition and food systems. Also include team-building and sensory exploration activities, organic gardening skills and information on how to create and sustain a successful school garden program. \$39.95, order online and view alignment to California State Science Standards at: [www.lifelab.org](http://www.lifelab.org)