

SCHOOLYARD GARDENS AND HANDS-ON FARMING CURRICULUM FOR TEACHERS

Big Ideas: Linking Food, Culture, Health, and the Environment Center for Ecoliteracy. Written by The Center for Ecoliteracy, with a foreword by Michael Pollan - Center for Ecoliteracy, 2008. *This book offers a powerful conceptual framework and serious food for thought for teachers and students in grades K-12. It encourages students to systematically look at the connections forged between something so basic as food choices, and both personal and environmental health. Clustered according to grade-group level (K-2, 3-5, 6-8, and 9-12) each "big idea" is accompanied by essential question, sample activities, and key concepts drawn from the Benchmarks for Science Literacy.*

Digging Deeper: Integrating Youth Gardens Into Schools & Communities. Joseph Kiefer, Martin Kemple and Melanie Menagh - American Community Gardening Association, Foodworks 1998. *Digging Deeper shows simply and clearly how school gardening is an ideal vehicle to meet high educational standards and achieve learning results so necessary for future generations to live sustainable on this planet.*

Four-Season Harvest: Organic Vegetables From Your Home Garden All Year Long. Eliot Coleman - Chelsea Green Publishing Company, 1999. *It's also a book full of valuable information on how to harvest fresh vegetables and salad ingredients literally year-round--yet without an expensive greenhouse or indoor light garden set-up. Coleman combines succession planting (small sowings three or more times, rather than one big endeavor) with cold-frame growing in the winter months. He includes how-tos for building simple cold-frames. Given the fact that he lives in Maine, his advice seems all the more reliable.*

French Fries and The Food System: A year-round curriculum connecting youth with farming and food. Sara Coblyn - The Food Project, 2001. *French fries and the food system features powerful, original lessons written and developed by the Food Project's growers and educators to develop a deep understanding of and appreciation for the land and local food systems.*

Gardening With Children. Monika Hannemann, Patricia Hulse, Brian Johnson, Barbara Kurland, and Tracey Patterson - Copyright 2007 by Brooklyn Botanic Garden, 2007. *Offers a groundbreaking handbook that helps parents, teachers, and community gardeners introduce kids to the pleasures of gardening. In addition to growing common plants from seed, children will become more aware of nature's cycles and earth's ecology, and enjoy a variety of fun projects.*

Gardening Wizardry for Kids. Patricia L. Kite - Barrons Juveniles, 1995. *More than 300 extraordinary experiments and projects with apple seeds, beans, potatoes, fruit pits, vegetables, herbs and everything that grows. Contains a glossary, reading list, full-color, how-to illustrations, and a bonus chapter that lists seed catalogs that kids can obtain from sources in the U.S. and Canada, mostly free. Perfect for home or classroom.*

Green Thumbs: A Kid's Activity Guide to Indoor and Outdoor Gardening. Laurie Carlson - Chicago Review Press, 1995. *Kids will be creating their own gardens in no time with a guide to indoor and outdoor gardening projects that offers a way for kids to get exercise, fresh air, and learn about nature all at the same time.*

Healthy Foods From Healthy Soils: A hands-on resource for educators. Elizabeth Patten and Kathy Lyons - Tilbury House Publishers, 2003. *Healthy Foods from Healthy Soils invites you and your students to discover where food comes from, how our bodies use food, and what happens to food waste. You'll participate in the ecological cycle of food production > compost formation > recycling back to the soil, while helping children understand how their food choices affect not only their own health, but farmers, the environment, and your local community.*

How to Grow a School Garden: A Complete Guide for Parents and Teachers. Arden Bucklin-Sporer and Rachel Kathleen Pringle - Timber Press, 2010. *A school garden can change a child's life, this book is a totally comprehensive guide to planning, building, and maintaining a vibrant and engaging school garden. For*

educators who are trying to make a difference, this complete guide explains everything needed to know to create a sustainable school garden. Includes activities that are fun, accessible, and inexpensive.

How to Teach Nutrition to Kids. Connie Liakos Evers, MS, RD – 24 Carrot Press, 2006. *How to Teach Nutrition to Kids promotes positive attitudes about food, fitness and body image. The book features the MyPyramid Food Guide and hundreds of fun, hands-on nutrition education activities aimed at children ages 6-12.*

Insectigations: 40 hands-on activities to explore the insect world. Cindy Blobaum - Chicago Review Press, 2005. *Bursting with more than 40 experiments, art projects, and games, this wonderful introduction to hands-on insect science encourages kids to raise mealworms, use math to measure bug strength, make an amplifier for insect sounds, and more. Kids will love learning gross facts about insects while gaining solid information about the natural world.*

Math in the Garden: Hands-on Activities that bring math to life. Jennifer M. White, Katharine D. Barrett, Jaine Kopp, Christine Manoux, Katie Johnson, Yvette McCullough - The University of California and The National Gardening Association, 2006. *Gardens are magical settings filled with aromas, colors, and patterns that excite the imagination and awaken the senses. 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.*

Project Seasons: Hands-on activities for discovering the wonders of the world. Deborah Parrella - Shelburne Farms, 1995. *The investigative activities in Project Seasons integrate science, agriculture, and environmental themes to show how all living things are interconnected. Students explore plants, worms, soil, farm life, water cycles, and more through the school-year seasons.*

Ready, Set, Grow: A Guide to Gardening with Children. Suzanne Bales – Hungry Minds, Inc., 1996. *Offering countless project ideas that will entertain both children and adults, an activity guide is filled with listings of the easiest, quick-result plants and vegetables, as well as fun and informative gardening ideas.*

Roots, Shoots, Buckets & Boots: Gardening Together with Children. Sharon Lovejoy - Workman Publishing, 1999. *Learn how to make everything from a pizza garden, to a sunflower house, to a moon garden. Chock full of helpful hints, clever and artistic touches, and intriguing "recipes", this idea book will spark creativity and a lifelong fascination with gardening.*

Schoolyard Mosaics: Designing Schoolyards and Habitats. National Gardening Association, South Burlington, VT. *NGA created Schoolyard Mosaics in collaboration with educators featured in our school garden registry who have engaged students in transforming schoolyards into wildlife habitats, square-foot gardens, multipurpose outdoor classrooms, and a variety of theme gardens. The book offers advice on involving students in the planning and design process, building community support, and integrating the project with your curriculum and learning goals. Also includes 11 garden plans — from butterfly oases to history gardens — with companion stories on each project, suggestions for implementing a variety of thematic gardens, and an extensive resource section.*

The Growing Classroom: Garden-Based Science. Roberta Jaffe - Pearson Learning, 2001. *Description: Based on The Life Lab Science Program, this source book presents a hands-on "living laboratory" or garden-based approach to science education. A wonderful collection of classic garden activities, The Growing Classroom is a teacher's manual featuring step-by-step instructions and strategies for setting up a garden-based science program and outdoor classroom activities. Topics include planning a garden laboratory, facilitating investigative lessons on ecology and nutrition, and involving the community. Includes an expanded gardening resource section. This curriculum is a teacher and NGA staff favorite!*