

Garden-based Learning Resources for High School Grades 9-12

General Resources

California School Garden Network: <http://www.csgn.org>

- Research and Policy: <http://www.csgn.org/page.php?id=9> This section of the California School Garden Network website provides you with access to research articles, reports, and related documents that provide the research base for considering garden based learning within various educational settings.

Ag in the Classroom-USDA: <http://www.agclassroom.org/teacher/lesson.htm> - Directory searchable by grade level and subject.

Spanish

The Growing Connection/Earth Box: <http://www.thegrowingconnection.org> and <http://www.earthbox.com> – links people and cultures (Mexico, U.S., Nicaragua, Ghana) to introduce low-cost water efficient and sustainable food growing innovations.

Science

Human Sundial: <http://www.needham.k12.ma.us/sciencecenter/sundial.htm>

A Guide to Student Composting Research – Cornell University:
<http://compost.css.cornell.edu/CIC.html> - Compost Chemistry, Compost Physics and Compost Biology

California Foundation for Ag in the Classroom: <http://www.cfaitc.org> including lesson plans sorted by grade level. Download PDFs including “Design Yer Genes” utilizing strawberries to show changes in the DNA of an organism, either naturally or artificially, can cause changes in an organism.

Demonstrations in Soil Science – Purdue University:
<http://www.agry.purdue.edu/courses/agry255/brochure/brochure.html>

Earth Box: <http://www.earthbox.com> – links people and cultures (Mexico, U.S., Nicaragua, Ghana) to introduce low-cost water efficient and sustainable food growing innovations and provides lesson and labs.

The Biodiversity Collection: Resources for Education/North American Association for Environmental Education (resources to purchase)
<http://naaee.org/npeeee/biodiversity.php>

Project Food Land and People: <http://www.foodlandpeople.org> – CD available which includes “Investigating Insects” – ecology/biodiversity units

<http://studentfarm.ucdavis.edu/EduMat/SAguides.htm> - Sustainable Agriculture Activity Guides for UC Davis Student Farm including ecology linked units “Encourage Beneficials, Deter Pests” and “Grow Your Own Fertilizer”.

Art

Garden Mosaics: <http://www.gardenmosaics.cornell.edu/index.htm> - Art in the Garden Action Projects

Literature

California Foundation for Ag in the Classroom: <http://www.cfaitc.org> including lesson plans sorted by grade level. Download PDFs including “Agricultural Awareness Through Poetry”

History

Ag in the Classroom-USDA: <http://www.agclassroom.org/teacher/lesson.htm> - including “Growing a Nation” – US History/The Story of American Agriculture.

“Find Solutions to Hunger: Kids Can make a Difference” – lessons to encourage discussion of world hunger both current issues and historical context, available for purchase at <https://www.kidscanmakeadifference.org/teac.php>

Nutrition

<http://studentfarm.ucdavis.edu/EduMat/SAguides.htm> - Sustainable Agriculture Activity Guides including “Taste the Difference”, “Eat Colorful, Fresh Produce” and “Buy Local, Pollute Less”

French Fries and the Food System: A Year Round Curriculum Connecting Youth with Farming and Food (\$24.95) This agricultural curriculum features powerful, original lessons written and developed by The Food Project's growers and educators. Organized by season, the material teaches youth how to develop a deep understanding of and appreciation for the land and local food systems. Lessons can be done both indoors and outdoors and can be easily adapted by instructors working in school-based plots, urban food lots, and environmental education programs. Available at: <http://www.thefoodproject.org/buy/internal1.asp?ID=144>

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The School Garden Network of El Dorado County is a local group of garden-based learning supporters and experts. Participating groups include the El Dorado County Farm Bureau, El Dorado County Office of Education, Ag in the Classroom, El Dorado County Public Health, University of California Cooperative Extension (UCCE), UCCE Master Gardeners and garden-based learning professionals.