



GARDEN-READY
LESSON LIBRARY

Name of Curriculum	Grade Level	Number of Lesson Plans	Subject Matter	Standards Alignment	Description	Website
A Handful of Seeds	2nd-6th	15	math science ELA	CA State Standards	This curriculum covers science concepts like germination, seed characteristics, and tropism and a number of language arts lessons including vocabulary and Paul Fleischman's book Seedfolks.	http://www.oaec.org/school-garden/handful-of-seeds
Captain Planet Project Learning Garden	K-5th	18	social studies history cooking gardening	Common Core NGSS	The Captain Planet's Project Learning Garden Program encourages educators to consider the school garden as an extension of the traditional classroom rather than an extracurricular activity. All Learning Garden lessons are tied to common core curriculum standards, encourage inquiry-based learning, provide hands-on experiential learning, and guide the teacher towards the next generation science standards. Each lesson also provides an environmental stewardship learning opportunity.	http://captainplanetfoundation.org/learning-garden-lessons/
Cooking With Kids	K- 6th	36	tasting cooking nutrition	Common Core National Health Education Standards NM State Standards	Cooking with Kids motivates and empowers elementary school students to develop healthy eating habits through hands-on learning with fresh, affordable foods from diverse cultural traditions. Through cooking classes and tasting classes, students explore varieties of foods using all of their senses, have fun, and exercise choice. Two cooking and 36 tasting classes available free to download with registration (free).	http://cookingwithkids.org/for-educators/
Dig Art! from Cornell Garden Based Learning	PreK-12th	22	art	None	This collection of art activities in the garden spans a wide range of ages: some lessons can be adapted up or down (drawing/painting in the garden) others are more appropriate to older students (photography, plant dyeing). Activities also include musical instrument-making.	http://gardening.cals.cornell.edu/lessons/curricula/dig-art-cultivating-creativity-in-the-garden/
Dig In!	5th-6th	10	gardening cooking nutrition food systems	Common Core National Academy of Sciences American Cancer Society	This curriculum created by the USDA Food and Nutrition Service offers ten inquiry-based lessons in nutrition education. You can download the teacher's guide and individual lesson plans online.	http://www.fns.usda.gov/tn/dig-standards-based-nutrition-education-ground
Discovering Our Food System from Cornell Garden Based Learning	6th-12th	35	food systems nutrition service learning	NY State Standards	Created by Cornell Garden Based Learning, this curriculum introduces students in grades 6-12 to global and local food systems, nutrition, food labeling and advertising and then turns students' attention to their own school and communities with a "lunchroom laboratory" investigation and action project. Available to purchase in hard-copy for \$20 or free to download as a PDF.	http://gardening.cals.cornell.edu/lessons/curricula/discovering-our-food-system/
Denver Urban Gardens (DUG)	1st-6th	Multiple	nutrition physical education gardening science	CO State Standards	DUG has a seasonal approach to teaching that bridges gardening, nutrition and science using standards-aligned lessons for the elementary school classroom and garden. Each lesson includes the applicable Colorado Academic Standards in science and comprehensive health with suggested extensions and modifications. Most lessons are one hour and include a healthy, kid-tested recipe that is appropriate for the classroom, topic and season.	https://dug.org/school-garden-curriculum/
Eat.Think.Grow	K-5th	Multiple	gardening science tasting	none	Organized by grade level and season, this online resource offers garden-based lessons for spring, winter, and fall. Lessons have a "place-based focus" and highlight exploration, observation, data-collection, harvesting, and cooking.	http://eatthinkgrow.org/

Name of Curriculum	Grade Level	Number of Lesson Plans	Subject Matter	Standards Alignment	Description	Website
Edible School Yard	PreK-12th	Multiple	gardening science art ELA social studies history	Common Core NGSS	The Edible Schoolyard Network connects educators around the world to build and share a K-12 edible education curriculum. The goal of our edible education curriculum is to empower students with the knowledge and values to make food choices that are healthy for them, their communities, and the environment. The lessons are fully integrated into academic subjects and support content standards, Common Core State Standards, and Next Generation Science Standards. At the same time, they are designed to achieve a specific set of edible education learning goals (which we refer to as ESY standards) and life skills, such as communication, personal and community stewardship, flexibility, and perseverance.	https://edibleschoolyard.org/resources-tools?search=&grade%5B%5D=52&x=34&y=16
Edible School Yard Pittsburgh	K-8th	70+	gardening science	PA State Standards	A lesson for every season. Sometimes it is hard to identify what lesson plan would best fit the needs of both the garden and the classroom curriculum. On this website you will find a short description of each lesson plan that will help you decide what lesson to choose. Sort lessons by season or by crop. We have created extensive lesson plans that are linked to the PA state science standards as well as general garden activities that can be used at any time and are linked to the four core subjects of English, Math, Science and Social Studies. We provide some concrete ideas and garden-tested plans, but the opportunities to connect the classroom with the garden are limitless.	http://edibleschoolyardpgh.org/teach/lesson-plans/
Education Outside Lesson Pathway	K-5th	Multiple	science nutrition art food systems	CA State Standards	The Education Outside Lesson Pathway is an outdoor education curriculum framework that allows educators to plan a comprehensive and sequenced outdoor education program by selecting lessons that are nested into a larger, coherent structure. It is arranged by themes – Basics, Soil, Plants, Creatures, Ecology, Materials, and Food – that can then be organized into an academic schedule, building the key concepts of each theme over a K-5 educational experience.	http://www.educationoutside.org/lesson-pathway
Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	art history science ELA	CA State Standards	A wide variety of lessons revolving around plant and soil nutrition; history, horticulture, and art; and language arts and the garden. Garden vocabulary for primary and secondary children, as well as supporting materials.	http://huntington.org/WebAssets/Templates/content.aspx?id=838
George Watts Montessori Edible Garden	1st-3rd	30	cooking gardening math science	NC State Standards	30 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_lower_el.pdf
George Watts Montessori Edible Garden	4th-5th	30	science ELA cooking	NC State Standards	30 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_upper_el.pdf
GreenTween	6th-8th	10	gardening nutrition science	None	Over the course of 10 weeks, students learn how to plan a garden, transplant seedlings, water sustainably, and amend the soil. They also learn to identify different vegetables and herbs, and utilize these plants in healthy recipes from herbal teas to organic salad dressings. Connections to practical math, history, literacy and observed art create a dynamic gardening learning experience that makes the sciences more meaningful.	http://thehort.org/education_greentween.html

Name of Curriculum	Grade Level	Number of Lesson Plans	Subject Matter	Standards Alignment	Description	Website
Grounded in Botany from the Huntington Library, Art Collections, and Botanical Gardens	9th-12th	32	science	CA State Standards	Grounding in Botany is a hands-on, fun, intense, and exciting opportunity for high school students. These lessons will integrate standard-based lessons with real plants and real science. With a focus on scientific investigation supplemented by in-class lecture material, the materials will enhance students' knowledge of basic botany and provide a context for using plant material in the classroom to enliven state science standards.	http://huntington.org/WebAssets/Templates/content.aspx?id=3546
Growing Minds	Pre K-5th	Multipule	cooking ELA food systems	Common Core	Great lesson plans make any new classroom project a cinch! Over the years, Growing Minds has developed Farm to School activities that incorporate state and national curriculum. Teachers are currently using these plans throughout Southern Appalachia and beyond. Find lesson plans in the list below or take a look at our Get Local @ School section to find lesson plans, recipes, books, and other resources for each month of the school year. All Growing Minds lesson plans have connections to the Common Core, Essential Standards, and age-appropriate literature.	http://growing-minds.org/lesson-plans-landing-page/
Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	cooking gardening science	CA State Standards	Online curriculum available to download whole or in chapters that incorporates lesson plans on gardening and agricultural techniques and principles with recipes and farmer profiles.	http://www.cde.ca.gov/ls/nu/he/kidscook.asp
Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	art ELA math nutrition physical education science social studies	None	Searchable by completion time, subject matter, education standards, garden type, learning themes, setting, and season, this online database provides a wide range of activity ideas and lesson plans that use gardening as a tool for learning.	https://www.kidsgardening.org/lesson-plans/
Leaders in Environmental Action for the Future (LEAF)	9th-12th	Multiple	science food system service learning	Common Core NGSS	This online resource offers lesson plans to teachers of high school urban environmental education in three different areas: Natural Cities (urban ecology, natural systems), Human Cities (communities, health, politics, justice, population, culture), and Evolving Cities (infrastructure, urban history, future of cities, and built environment).	http://www.nature.org/about-us/careers/leaf/resources-for-teachers/leaf-anthology-of-urban-environmental-education.xml
Life Lab - Science Exploration Units	1st-4th	24	gardening science	CA State Standards	1st to 4th grade Science Exploration Units – Plants, Soils, Pollinators, Habitats Created with lessons from Life Lab Science and the Growing Classroom our Science Exploration Units are garden themed based and aligned to the California State Science Standards. Themes for each grade are: 1st Grade – Plant Adaptations, 2nd Grade – Soil Studies, 3rd Grade – Garden Pollinators, 4th Grade – Garden Habitats. 4 lesson packets with 6 lessons per packet	http://www.lifelab.org/2010/02/free-garden-science-exploration-units/
New York Botanical Garden Lesson Plans	K-8th	28	science math gardening	NY State Standards	Online list of lesson plans for various concepts (science, plant parts, ecosystems, weather, living things in the garden, math) organized by age. Lessons have been created to align with the New York City Science Scope and Sequence and New York State Standards.	http://www.nybg.org/edu/teacher/resources/plans.php

Name of Curriculum	Grade Level	Number of Lesson Plans	Subject Matter	Standards Alignment	Description	Website
Nourish: Food + Community	6th-8th	6	food systems science cooking social studies	Common Core National Health Education Standards National Standards for Social Studies	Created by the Center for Ecoliteracy, this curriculum includes lesson plans to accompany the film "Nourish: Food + Community." The video must be purchased separately from its producers: it is available at http://www.nourishlife.org . Intended for middle school students, it covers the industrial food system, local food system, seasonal food, food and culture, ecosystems, and food advertising. The curriculum ends with a school lunchroom survey and several suggestions for "action projects." Student handouts also available in Spanish.	http://www.ecoliteracy.org/downloads/nourish-companion-guide
Nutrition to Grow On	4th-6th	27	nutrition physical activities food systems	CA State Standards	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. 191 pages, download by lesson or whole document.	http://www.cde.ca.gov/ls/nu/he/nrttogrow.asp
Schoolyard to Market	9th-12th	16	food systems	None	Schoolyard to Market is a youth development and entrepreneurship program created in January 2011 by Education Outside in partnership with the Center for Urban Education for Sustainable Agriculture (CUESA). This step-by-step curriculum guide directs students on how to develop a planting plan, nurture crops in the school garden, and harvest the crop and take it to market to sell. This 16-week program is intended to be used sequentially but can also be used for independent lessons.	https://www.educationoutside.org/schoolyard-market-curriculum
Seed to Salad Lessons from Cornell Garden Based Learning	K-6th	Multiple	gardening tasting nutrition art	None	Garden based learning with lessons on garden creation, as well as garden based art projects for elementary aged children. Includes links to research done on garden based education and teacher resources for setting up and starting garden based education. This resource is more of an overview or guide, as opposed to traditional lesson plans. Resources also offered in Spanish.	http://gardening.cals.cornell.edu/lessons/curricula/seed-to-salad/
Seven Generations Ahead Fresh From the Farm Garden Curricula (FFF)	1st-8th	38	gardening science	Common Core NGSS IL State Standards	Aligned to the Common Core standards and Illinois State Learning Standards, FFF curricula are designed to engage children from 1st through 8th grades. Check out the sample lessons and order a FREE copy for yourself!	http://sevendgenerationsahead.org/fresh-from-the-farm/garden-based-curriculum
Slow Foods: Good Curriculum and Clean Curriculum	K-5th	Multiple	cooking nutrition gardening science	Common Core NGSS	The "Good" curriculum consists of an introduction and two chapters. Chapter 1 is titled "Sensory Education" and Chapter 2 is titled "Kitchen Tools and Skills." The "Clean" curriculum consists of a short introduction and two chapters. Chapter 1 is titled "Basic Garden Skills and Knowledge" and Chapter 2 is titled "A Slow Food Garden."	

Name of Curriculum	Grade Level	Number of Lesson Plans	Subject Matter	Standards Alignment	Description	Website
Teaching the Food System	9th-12th	11	food systems science social studies	Common Core NGSS National Health Education Standards National Standards for Social Studies National Standards for Family and Consumer Sciences	A three-unit curriculum on food security, public health, equity, and the environment created by the Johns Hopkins Center for a Livable Future. The curriculum is sequenced to trace food from field to plate, but lessons can stand alone or be taught in a different order.	http://foodspanlearning.org/
The Botany of Desire	5th-12	Multiple	history science art	None	Based on Michael Pollan's book, The Botany of Desire, PBS video clips are available online and are accompanied by lesson plans for grades 5-12. This curriculum touches on physical and life sciences, chemistry, art, and more. Some topics may be appropriate for incorporation into a Drug/Alcohol awareness program. Probably most appropriate for advanced and high school learners.	http://www.pbs.org/thebotanyofdesire/lesson-plans.php
The Food Project	9th-12th	Multiple	food systems science gardening service learning	None	The Food Project offers four online curricula: its Sustainable Agriculture Curricula to download on its own, and the three other parts of its Summer Youth Program curriculum online in its "manuals" section.	http://thefoodproject.org/activities/sustainable-agriculture-curriculum
WE Garden	1st-6th	11	science ELA nutrition tasting food systems gardening	CA State Standards	A web-based resource with the mission to increase awareness and understanding of agriculture among California's educators and students. Includes lesson plans for grades K-12, as well as teacher resources, newsletters, student-teacher programs in California, and many other California based agriculture education resources. Lesson plans and additional curricula including, "What's Growin' On?" are available to download in full as PDFs.	www.LearnAboutAg.org/wegarden