

Online Curricula and Lesson Plans – ALPHABETICAL

Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
A Handful of Seeds	2nd-6th	15	math, science, language arts, elementary school	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
American Heart Association Teaching Gardens	Pre K-5th	11	preschool, early childhood, elementary school, nutrition, planting, cooking	The American Heart Association's set of lessons engages students in fun, educational, hands-on investigations of nutritious fruits and vegetables in and out of the garden.	http://www.heart.org/HEARTORG/GettingHealthy/HealthierKids/TeachingGardens/Teaching-Gardens-Curriculum_UCM_436630_SubHomePage.jsp#
Cooking With Kids	K- 6th	34: 11 fruit and vegetable tasting lessons for 3 grade levels (K-1, 2-3, 4-6) and 1 sample cooking lesson (grades 2-3)	common core, tasting, cooking, nutrition, culture, elementary school, New Mexico Academic Standards, National Health Education 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 33 tasting classes available free to download with registration (free).	http://cookingwithkids.net/
Dig Art!	PreK-12th	22	art, craft, music, preschool, elementary school, middle school, high school	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://blogs.cornell.edu/garden/get-activities/signature-projects/dig-art/
Dig In!	5th-6th	10	harvesting, tasting, recipes, nutrition, food systems	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/dig-standards-based-nutrition-education-ground-0
Discovering Our Food System from Cornell Garden Based Learning	6th-12th	35	New York state standards, middle school, high school, food systems, nutrition, action project	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://blogs.cornell.edu/garden/files/2011/05/cgbl-dofs-curriculum5.pdf
Eat.Think.Grow	K-5th	Multiple	elementary school, gardening, science, tasting	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/
EcoHealth 101	6th-8th	10	climate change, science, national science education standards, middle school, high school	Recognized as a National Resources Defence Council "pick of the week," EcoHealth 101 offers ten lessons in the science of climate change, the environment, and human health. This curriculum provides "chapters" with readings and lesson plans, including a good chapter and lesson plan for genetically modified foods.	http://ecohealth.wisc.edu/index.php/teachers-guide-menu/teachers-using-menu/teachers-lesson-menu
Education Outside Lesson Pathway	K-5th	Multiple	science, nutrition, art, food systems, elementary	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
empowerME4Life	3rd-7th	8	elementary school, middle school, health, nutrition, physical education	An 8-session evidence-based course, empowerME4Life equips youth with the skills and knowledge to eat better and move more. Each 45-minute session builds on the last to reinforce lifelong skills for nutrition and fitness. Teen and adult facilitators can use empowerME4Life in afterschool and community environments to teach the 5 steps to healthier living.	https://www.healthiergeneration.org/_assets/nkt7sr/em4Life_2013_03.pdf

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Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/
From Generation to Generation: An Activity Guidebook for the Living Tradition of Seed Saving	PreK-12th	10	elementary school, middle school, high school, seed saving, culture, activity	Fedco offers From Generation to Generation, a seed education program with grade-by-grade activities to bring young gardeners through the full cycle from seed to seed. By growing gardens and saving seeds, young people can reconnect to past generations of farmers and gardeners, renew food and farming traditions in their own community and work together to plant a sustainable future.	https://www.fedcoseeds.com/forms/seed-school.pdf
Garden Habitats	4th	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. The unit focuses on plant and animal habitats and garden biodiversity. It is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/4thGradeHabitats2012.pdf
Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	elementary school, middle school, art, history, culture, science, language arts	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
Garden Pollinators	3rd	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. The unit focuses on pollinators and their role in the garden ecosystem. It is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/3rdGardenPollinators2012.pdf
Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 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	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_upper_el.pdf
Granny's Garden School	K-4th	100+	elementary school, gardening, science, math, harvesting	One of the most complete list of lessons used in a garden-based school program that serves 1,800 students in Loveland OH. More than just lessons, but a complete guide to running a comprehensive garden program! Lessons are organized by grade and by season.	http://grannysgardenschool.org/600-00-a-about-Lesson-plans.html
GreenTween	6th-8th	10	middle school, horticulture, nutrition, stewardship, plant identification,	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

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Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables	Pre-Kindergarten	50	preschool, early childhood, tasting, nutrition	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables is a garden-themed nutrition education kit for child care center staff that introduces children to three fruits (peaches, strawberries, and cantaloupe) and three vegetables (spinach, sweet potatoes, and crookneck squash).	http://teamnutrition.usda.gov/Resources/growit.html
Harvesting Health	K-3rd	6	elementary school, physical activity, recipe, gardening, tasting	This website provides a copy of the Network for a Healthy California booklet of garden based education. Including garden set-up, nutrition plans connected to seasonal planting, and motivational tips for physical activities with the class. Also includes links to other regional activities, recipes of the month, and physical activity ideas.	http://www.northcoastnutrition.org/garden-based-nutrition-education-27
Helping Youth Eat Real; created for Food Day by Columbia Teachers College	Adaptable for elementary, middle, and high school students	5	nutrition, advocacy, common core	Created for Food Day (October 24 every year), these lessons are about eating fresh and healthy food, eliminating processed foods, and advocating for healthy communities. Lessons may be adapted for younger or older students. This curriculum guide aligns with a number of common core standards.	http://d3n8a8pro7vhmx.cloudfront.net/foodday/pages/24/attachments/original/1373291130/FoodDay2013_SchoolCurriculum_FINAL.pdf?1373291130
Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	recipes, farm profiles, gardening, agriculture, science,	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	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
Lead2Feed	6th-12th	10	service learning, hunger,	A team-based, service-learning program that fosters teamwork in an effort to help students learn and develop key leadership skills as they take action to solve real-life hunger issues.	http://lead2feed.com/lessons/
Leaders in Environmental Action for the Future (LEAF) Anthology for Urban Environmental Education	9th-12th	Multiple	urban environmental education, high school, science, health, justice, built environment	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 Learning Adademy: Organic Opportunities	9th-12th	21	high school, vocational, marketing, math, language arts	A 21-lesson unit incorporating construction, vocational skills, marketing, gardening, and english/writing. Written by Life Learning Academy, the curriculum is used for students in vocational programs in high schools but could be used and adapted for a variety of schools.	http://www.lifelearningacademysf.org/pdf/curricula/6.5_EarthCurricula_OrganicOpportunities.pdf
New York Botanical Garden Lesson Plans	K-8th	28	elementary school, middle school	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
Nourish: Food + Community	6th-8th	6	food systems, seasonal food, culture, advertising, middle school, spanish, video	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-guides

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Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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
Our Growing Place	3rd-5th	40	elementary school, growing, cooking, science, planting	OGP is an easy to follow tool-kit for instructors with little or no experience in cooking or gardening. Lessons are divided into "Garden" and "Kitchen." Lessons can be read online and also downloaded as PDFs. Each has an accompanying video meant to reinforce the text.	http://www.ourgrowingplace.us/
Plants and Textiles from Cornell Garden Based Learning	5th-12th	5	art, craft, science, history, technology, elementary school, middle school, high school	This set of five lessons explores how plants are used in a variety of textiles (ropes, mats, nets, dyes, and paper). Instructions for creating these different textiles are integrated with history, science, and technology lessons. Individual lessons could potentially be integrated in History and Social Studies courses for various cultures using these types of textiles.	http://blogs.cornell.edu/garden/?page_id=478&preview=true
Schoolyard to Market	9th-12th	16	market, food system, high school, business, humanities	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	elementary school, spanish, gardening, tasting, harvesting, nutrition, art	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://blogs.cornell.edu/garden/get-activities/signature-projects/
Soil Stories	2nd	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. Soil stories focuses on soil science. The unit is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/2ndGradeSoilStories2012.pdf
Teaching Organic Farming and Gardening: Resources for Instructors. Center for Agroecology and Sustainable Food Systems University of California, Santa Cruz	11th-12th	21	high school, advanced, gardening skills, agriculture	A series of downloadable PDF files from the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz. Includes topics like organic farming and gardening skills and practices, soil science, and social and environmental issues in agriculture.	Teaching Organic Farming: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Organic%20Farming/index.html Teaching Direct Marketing: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/index.html How to Order: http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/How%20to%20Order.html
Teaching the Food System	9th-12th	11	high school, food systems, public health, environment	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.	www.jhsph.edu/teachingfood

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The Botany of Desire	5th-12	Multiple	video, chemistry, history, science, art, middle school, high school	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 and http://www.pbslearningmedia.org/search/?q=botany%20of%20desire&selected_facets=supplemental_curriculum_hierarchy_nodes%3A1d4a579f-fe4c-4751-80bb-2033e764aaed&display=botany%20of%20desire
The Edible Schoolyard Berkeley	6th-8th	Multiple	middle school, kitchen, cooking, nutrition, science, English, History, Social Studies, Art, Culinary, Garden, Professional Development, Nutrition Education, Lessons	A searchable database of user-generated lessons and best practices for edible education programming and professional development at the Edible Schoolyard Berkeley.	http://edibleschoolyard.org/program/edible-schoolyard-berkeley?quicktabs_programs=1
The Food Project	9th-12th	Multiple	high school, food systems, science, gardening, youth empowerment	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/sustainable-agriculture-curriculum
USDA's Agriculture in the Classroom Lesson Library	Pre K- 12th	100+	elementary school, middle school, high school, agriculture	An extensive searchable online library of ag literacy related lessons. Great search function to find specific types of lessons for all grade levels.	http://www.agclassroom.org/teacher/index.htm
USDA's The People's Garden Garden-Based Curriculum Database	PreK-12th	100+	preschool, elementary school, middle school, high school, faith-based, history and culture, language arts, math, nutrition, physical education, science	This database has Garden-Based Curriculum for all grade levels (PreK-12) and a variety of subject areas.	http://www.usda.gov/wps/portal/usda/usdahome?contentid=garden_based_curriculum.html&contentidonly=true
Vermont FEED's Food, Farm, & Nutrition Curriculum Units	K-12th	48	elementary school, middle school, high school, history, nutrition, local food, service learning	Vermont FEED works with schools to raise awareness about healthy food, good nutrition and the role of farms and farmers. Seven food, farm, and nutrition based units for elementary through high school levels. All lessons developed to meet Vermont educational standards.	http://www.vtfeed.org/materials/vermont-farm-school-food-farm-and-nutrition-curriculum-units
WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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

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PreK-12 or K-12	USDA's Agriculture in the Classroom Lesson Library	Pre K- 12th	100+	elementary school, middle school, high school, agriculture	An extensive searchable online library of ag literacy related lessons. Great search function to find specific types of lessons for all grade levels.	http://www.agclassroom.org/teacher/index.htm
	Dig Art!	PreK-12th	22	art, craft, music, preschool, elementary school, middle school, high school	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://blogs.cornell.edu/garden/get-activities/signature-projects/dig-art/
	Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/
	Vermont FEED's Food, Farm, & Nutrition Curriculum Units	K-12th	48	elementary school, middle school, high school, history, nutrition, local food, service learning	Vermont FEED works with schools to raise awareness about healthy food, good nutrition and the role of farms and farmers. Seven food, farm, and nutrition based units for elementary through high school levels. All lessons developed to meet Vermont educational standards.	http://www.vtfeed.org/materials/vermont-farm-school-food-farm-and-nutrition-curriculum-units
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
	Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
K-8	Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	elementary school, middle school, art, history, culture, science, language arts	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
	New York Botanical Garden Lesson Plans	K-8th	28	elementary school, middle school	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
Early Childhood (PreK-3)	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables	Pre-Kindergarten	50	preschool, early childhood, tasting, nutrition	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables is a garden-themed nutrition education kit for child care center staff that introduces children to three fruits (peaches, strawberries, and cantaloupe) and three vegetables (spinach, sweet potatoes, and crookneck squash).	http://teamnutrition.usda.gov/Resources/growit.html

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	Harvesting Health	K-3rd	6	elementary school, physical activity, recipe, gardening, tasting	This website provides a copy of the Network for a Healthy California booklet of garden based education. Including garden set-up, nutrition plans connected to seasonal planting, and motivational tips for physical activities with the class. Also includes links to other regional activities, recipes of the month, and physical activity ideas.	http://www.northcoastnutrition.org/garden-based-nutrition-education-2/
	George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/icng_lower_el.pdf
	Soil Stories	2nd	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. Soil stories focuses on soil science. The unit is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/2ndGradeSoilStories2012.pdf
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Elementary School	American Heart Association Teaching Gardens	Pre K-5th	11	preschool, early childhood, elementary school, nutrition, planting, cooking	The American Heart Association's set of lessons engages students in fun, educational, hands-on investigations of nutritious fruits and vegetables in and out of the garden.	http://www.heart.org/HEARTORG/GettingHealthy/HealthierKids/TeachingGardens/Teaching-Gardens-Curriculum_UCM_436630_SubHomePage.jsp#
	Cooking With Kids	K- 6th	34: 11 fruit and vegetable tasting lessons for 3 grade levels (K-1, 2-3, 4-6) and 1 sample cooking lesson (grades 2-3)	common core, tasting, cooking, nutrition, culture, elementary school, New Mexico Academic Standards, National Health Education 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 33 tasting classes available free to download with registration (free).	http://cookingwithkids.net/
	Granny's Garden School	K-4th	100+	elementary school, gardening, science, math, harvesting	One of the most complete list of lessons used in a garden-based school program that serves 1,800 students in Loveland OH. More than just lessons, but a complete guide to running a comprehensive garden program! Lessons are organized by grade and by season.	http://grannysgardenschool.org/600-0-00-a-about-Lesson-plans.html
	Education Outside Lesson Pathway	K-5th	Multiple	science, nutrition, art, food systems, elementary	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

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	Seed to Salad Lessons from Cornell Garden Based Learning	K-6th	Multiple	elementary school, spanish, gardening, tasting, harvesting, nutrition, art	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://blogs.cornell.edu/garden/get-activities/signature-projects/
	WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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
	A Handful of Seeds	2nd-6th	15	math, science, language arts, elementary school	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
	Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	recipes, farm profiles, gardening, agriculture, science,	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
	Our Growing Place	3rd-5th	40	elementary school, growing, cooking, science, planting	OGP is an easy to follow tool-kit for instructors with little or no experience in cooking or gardening. Lessons are divided into "Garden" and "Kitchen." Lessons can be read online and also downloaded as PDFs. Each has an accompanying video meant to reinforce the text.	http://www.ourgrowingplace.us/
	empowerME4Life	3rd-7th	8	elementary school, middle school, health, nutrition, physical education	An 8-session evidence-based course, empowerME4Life equips youth with the skills and knowledge to eat better and move more. Each 45-minute session builds on the last to reinforce lifelong skills for nutrition and fitness. Teen and adult facilitators can use empowerME4Life in afterschool and community environments to teach the 5 steps to healthier living.	https://www.healthiergeneration.org/_asset/nkt7sr/em4Life_2013_03.pdf
	Garden Habitats	4th	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. The unit focuses on plant and animal habitats and garden biodiversity. It is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/4thGradeHabitats2012.pdf
	George Watts Montessori Edible Garden	4th-5th	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_upper_el.pdf

Online Curricula and Lesson Plans – BY GRADE LEVEL

Age Range	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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
	Dig In!	5th-6th	10	harvesting, tasting, recipes, nutrition, food systems	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/dig-standards-based-nutrition-education-ground-0
Middle School (6-8)	Helping Youth Eat Real; created for Food Day by Columbia Teachers College	Adaptable for elementary, middle, and high school students	5	nutrition, advocacy, common core	Created for Food Day (October 24 every year), these lessons are about eating fresh and healthy food, eliminating processed foods, and advocating for healthy communities. Lessons may be adapted for younger or older students. This curriculum guide aligns with a number of common core standards.	http://d3n8a8pro7vmtx.cloudfront.net/foodday/pages/24/attachments/original/1373291130/FoodDay2013_SchoolCurriculum_FINAL.pdf?1373291130
	Nourish: Food + Community	6th-8th	6	food systems, seasonal food, culture, advertising, middle school, spanish, video	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-guides
	The Edible Schoolyard Berkeley	6th-8th	Multiple	middle school, kitchen, cooking, nutrition, science, English, History, Social Studies, Art, Culinary, Garden, Professional Development, Nutrition Education, Lessons	A searchable database of user-generated lessons and best practices for edible education programming and professional development at the Edible Schoolyard Berkeley.	http://edibleschoolyard.org/program/edible-schoolyard-berkeley?quicktabs_programs=1
	EcoHealth 101	6th-8th	10	climate change, science, national science education standards, middle school, high school	Recognized as a National Resources Defence Council "pick of the week," EcoHealth 101 offers ten lessons in the science of climate change, the environment, and human health. This curriculum provides "chapters" with readings and lesson plans, including a good chapter and lesson plan for genetically modified foods.	http://ecohealth.wisc.edu/index.php/teachers-guide-menu/teachers-using-menu/teachers-lesson-menu

Online Curricula and Lesson Plans – BY GRADE LEVEL

Age Range	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
Middle School - High School	The Botany of Desire	5th-12	Multiple	video, chemistry, history, science, art, middle school, high school	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 and http://www.pbslearningmedia.org/search/?q=botany%20of%20desire&select_ed_facets=supplemental_curriculum_hierarchy_nodes%3A1d4a579f-fe4c-4751-80bb-2033e764aaed&display=botany%20of%20desire
	Plants and Textiles from Cornell Garden Based Learning	5th-12th	5	art, craft, science, history, technology, elementary school, middle school, high school	This set of five lessons explores how plants are used in a variety of textiles (ropes, mats, nets, dyes, and paper). Instructions for creating these different textiles are integrated with history, science, and technology lessons. Individual lessons could potentially be integrated in History and Social Studies courses for various cultures using these types of textiles.	http://blogs.cornell.edu/garden/?page_id=478&preview=true
	Discovering Our Food System from Cornell Garden Based Learning	6th-12th	35	New York state standards, middle school, high school, food systems, nutrition, action project	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://blogs.cornell.edu/garden/files/2011/05/cgbi-dofs-curriculum5.pdf
	GreenTween	6th-8th	10	middle school, horticulture, nutrition, stewardship, plant identification,	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
	Lead2Feed	6th-12th	10	service learning, hunger,	A team-based, service-learning program that fosters teamwork in an effort to help students learn and develop key leadership skills as they take action to solve real-life hunger issues.	http://lead2feed.com/lessons/
High School	Life Learning Adademy: Organic Opportunities	9th-12th	21	high school, vocational, marketing, math, language arts	A 21-lesson unit incorporating construction, vocational skills, marketing, gardening, and english/writing. Written by Life Learning Academy, the curriculum is used for students in vocational programs in high schools but could be used and adapted for a variety of schools.	http://www.lifelearningacademysf.org/pdf/curricula/6.5_EarthCurricula_OrganicOpportunities.pdf
	Teaching the Food System	9th-12th	11	high school, food systems, public health, environment	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.	www.jhsph.edu/teachingfood
	Leaders in Environmental Action for the Future (LEAF) Anthology for Urban Environmental Education	9th-12th	Multiple	urban environmental education, high school, science, health, justice, built environment	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

Online Curricula and Lesson Plans – BY GRADE LEVEL

Age Range	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	The Food Project	9th-12th	Multiple	high school, food systems, science, gardening, youth empowerment	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/sustainable-agriculture-curriculum
	Teaching Organic Farming and Gardening: Resources for Instructors. Center for Agroecology and Sustainable Food Systems University of California, Santa Cruz	11th-12th	21	high school, advanced, gardening skills, agriculture	A series of downloadable PDF files from the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz. Includes topics like organic farming and gardening skills and practices, soil science, and social and environmental issues in agriculture.	Teaching Organic Farming: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Organic%20Farming/index.html Teaching Direct Marketing: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/index.html How to Order: http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/How%20to%20Order.html
	Schoolyard to Market	9th-12th	16	market, food system, high school, business, humanities	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

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
Agriculture	USDA's Agriculture in the Classroom Lesson Library	Pre K- 12th	100+	elementary school, middle school, high school, agriculture	An extensive searchable online library of ag literacy related lessons. Great search function to find specific types of lessons for all grade levels.	http://www.agclassroom.org/teacher/index.htm
	WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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
	Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	recipes, farm profiles, gardening, agriculture, science,	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
	Teaching Organic Farming and Gardening: Resources for Instructors. Center for Agroecology and Sustainable Food Systems University of California, Santa Cruz	11th-12th	21	high school, advanced, gardening skills, agriculture	A series of downloadable PDF files from the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz. Includes topics like organic farming and gardening skills and practices, soil science, and social and environmental issues in agriculture.	Teaching Organic Farming: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Organic%20Farming/index.html Teaching Direct Marketing: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/index.html How to Order: http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/How%20to%20Order.html
Art	Dig Art!	PreK-12th	22	art, craft, music, preschool, elementary school, middle school, high school	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://blogs.cornell.edu/garden/get-activities/signature-projects/dig-art/
	Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/
	Seed to Salad Lessons from Cornell Garden Based Learning	K-6th	Multiple	elementary school, spanish, gardening, tasting, harvesting, nutrition, art	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://blogs.cornell.edu/garden/get-activities/signature-projects/
	Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	elementary school, middle school, art, history, culture, science, language arts	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

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Plants and Textiles from Cornell Garden Based Learning	5th-12th	5	art, craft, science, history, technology, elementary school, middle school, high school	This set of five lessons explores how plants are used in a variety of textiles (ropes, mats, nets, dyes, and paper). Instructions for creating these different textiles are integrated with history, science, and technology lessons. Individual lessons could potentially be integrated in History and Social Studies courses for various cultures using these types of textiles.	http://blogs.cornell.edu/garden/?page_id=478&preview=true
	Education Outside Lesson Pathway	K-5th	Multiple	science, nutrition, art, food systems, elementary	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
	The Botany of Desire	5th-12	Multiple	video, chemistry, history, science, art, middle school, high school	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 and http://www.pbslearningmedia.org/search/?q=botany%20of%20desire&selected_facets=supplemental_curriculum_hierarchy_nodes%3A1d4a579f-fe4c-4751-80bb-2033e764aaed&display=botany%20of%20desire
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
	Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
Cooking, Recipes, and Tasting	American Heart Association Teaching Gardens	Pre K-5th	11	preschool, early childhood, elementary school, nutrition, planting, cooking	The American Heart Association's set of lessons engages students in fun, educational, hands-on investigations of nutritious fruits and vegetables in and out of the garden.	http://www.heart.org/HEARTORG/GettingHealthy/HealthierKids/TeachingGardens/Teaching-Gardens-Curriculum_UCM_436630_SubHomePage.jsp#
	Cooking With Kids	K- 6th	34: 11 fruit and vegetable tasting lessons for 3 grade levels (K-1, 2-3, 4-6) and 1 sample cooking lesson (grades 2-3)	common core, tasting, cooking, nutrition, culture, elementary school, New Mexico Academic Standards, National Health Education 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 33 tasting classes available free to download with registration (free).	http://cookingwithkids.net/
	Our Growing Place	3rd-5th	40	elementary school, growing, cooking, science, planting	OGP is an easy to follow tool-kit for instructors with little or no experience in cooking or gardening. Lessons are divided into "Garden" and "Kitchen." Lessons can be read online and also downloaded as PDFs. Each has an accompanying video meant to reinforce the text.	http://www.ourgrowingplace.us/

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Harvesting Health	K-3rd	6	elementary school, physical activity, recipe, gardening, tasting	This website provides a copy of the Network for a Healthy California booklet of garden based education. Including garden set-up, nutrition plans connected to seasonal planting, and motivational tips for physical activities with the class. Also includes links to other regional activities, recipes of the month, and physical activity ideas.	http://www.northcoastnutrition.org/garden-based-nutrition-education-27
	George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 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	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_upper_el.pdf
	Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	recipes, farm profiles, gardening, agriculture, science,	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
	Dig In!	5th-6th	10	harvesting, tasting, recipes, nutrition, food systems	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/dig-standards-based-nutrition-education-ground-0
	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables	Pre-Kindergarten	50	preschool, early childhood, tasting, nutrition	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables is a garden-themed nutrition education kit for child care center staff that introduces children to three fruits (peaches, strawberries, and cantaloupe) and three vegetables (spinach, sweet potatoes, and crookneck squash).	http://teammnutrition.usda.gov/Resources/growit.html
	WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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
	Eat.Think.Grow	K-5th	Multiple	elementary school, gardening, science, tasting	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/
	The Edible Schoolyard Berkeley	6th-8th	Multiple	middle school, kitchen, cooking, nutrition, science, English, History, Social Studies, Art, Culinary, Garden, Professional Development, Nutrition Education, Lessons	A searchable database of user-generated lessons and best practices for edible education programming and professional development at the Edible Schoolyard Berkeley.	http://edibleschoolyard.org/program/edible-schoolyard-berkeley?quicktabs_programs=1

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	GreenTween	6th-8th	10	middle school, horticulture, nutrition, stewardship, plant identification,	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
English Language Arts	Life Learning Academy: Organic Opportunities	9th-12th	21	high school, vocational, marketing, math, language arts	A 21-lesson unit incorporating construction, vocational skills, marketing, gardening, and english/writing. Written by Life Learning Academy, the curriculum is used for students in vocational programs in high schools but could be used and adapted for a variety of schools.	http://www.lifelearningacademysf.org/pdf/curricula/6.5_EarthCurricula_OrganicOpportunities.pdf
	Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	elementary school, middle school, art, history, culture, science, language arts	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
	A Handful of Seeds	2nd-6th	15	math, science, language arts, elementary school	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
	George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/icng_lower_el.pdf
	George Watts Montessori Edible Garden	4th-5th	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/icng_upper_el.pdf
	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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/lr/nu/he/nrtogrow.asp
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
	Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
Food Systems	Dig In!	5th-6th	10	harvesting, tasting, recipes, nutrition, food systems	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/dig-standards-based-nutrition-education-ground-0

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Nourish: Food + Community	6th-8th	6	food systems, seasonal food, culture, advertising, middle school, spanish, video	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-guides
	Discovering Our Food System from Cornell Garden Based Learning	6th-12th	35	New York state standards, middle school, high school, food systems, nutrition, action project	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://blogs.cornell.edu/garden/files/2011/05/cgbl-dofs-curriculum5.pdf
	Teaching the Food System	9th-12th	11	high school, food systems, public health, environment	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.	www.jhsph.edu/teachingfood
	Education Outside Lesson Pathway	K-5th	Multiple	science, nutrition, art, food systems, elementary	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
	Schoolyard to Market	9th-12th	16	market, food system, high school, business, humanities	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
	Teaching Organic Farming and Gardening: Resources for Instructors. Center for Agroecology and Sustainable Food Systems University of California, Santa Cruz	11th-12th	21	high school, advanced, gardening skills, agriculture	A series of downloadable PDF files from the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz. Includes topics like organic farming and gardening skills and practices, soil science, and social and environmental issues in agriculture.	Teaching Organic Farming: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Organic%20Farming/index.html Teaching Direct Marketing: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/index.html How to Order: http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/How%20to%20Order.html

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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
	The Food Project	9th-12th	Multiple	high school, food systems, science, gardening, youth empowerment	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/sustainable-agriculture-curriculum
Gardening Skills	Harvesting Health	K-3rd	6	elementary school, physical activity, recipe, gardening, tasting	This website provides a copy of the Network for a Healthy California booklet of garden based education. Including garden set-up, nutrition plans connected to seasonal planting, and motivational tips for physical activities with the class. Also includes links to other regional activities, recipes of the month, and physical activity ideas.	http://www.northcoastnutrition.org/garden-based-nutrition-education-27
	Granny's Garden School	K-4th	100+	elementary school, gardening, science, math, harvesting	One of the most complete list of lessons used in a garden-based school program that serves 1,800 students in Loveland OH. More than just lessons, but a complete guide to running a comprehensive garden program! Lessons are organized by grade and by season.	http://grannysgardenschool.org/600-0-00-a-about-Lesson-plans.html
	Seed to Salad Lessons from Cornell Garden Based Learning	K-6th	Multiple	elementary school, spanish, gardening, tasting, harvesting, nutrition, art	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://blogs.cornell.edu/garden/get-activities/signature-projects/
	George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 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	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_upper_el.pdf
	Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	recipes, farm profiles, gardening, agriculture, science,	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/lc/nu/he/kidscook.asp
	Our Growing Place	3rd-5th	40	elementary school, growing, cooking, science, planting	OGP is an easy to follow tool-kit for instructors with little or no experience in cooking or gardening. Lessons are divided into "Garden" and "Kitchen." Lessons can be read online and also downloaded as PDFs. Each has an accompanying video meant to reinforce the text.	http://www.ourgrowingplace.us/
	Life Learning Adademy: Organic Opportunities	9th-12th	21	high school, vocational, marketing, math, language arts	A 21-lesson unit incorporating construction, vocational skills, marketing, gardening, and english/writing. Written by Life Learning Academy, the curriculum is used for students in vocational programs in high schools but could be used and adapted for a variety of schools.	http://www.lifelearningacademysf.org/pdf/curricula/6.5_EarthCurricula_OrganicOpportunities.pdf

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Teaching Organic Farming and Gardening: Resources for Instructors. Center for Agroecology and Sustainable Food Systems University of California, Santa Cruz	11th-12th	21	high school, advanced, gardening skills, agriculture	A series of downloadable PDF files from the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz. Includes topics like organic farming and gardening skills and practices, soil science, and social and environmental issues in agriculture.	Teaching Organic Farming: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Organic%20Farming/index.html Teaching Direct Marketing: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/index.html How to Order: http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/How%20to%20Order.html
	Eat.Think.Grow	K-5th	Multiple	elementary school, gardening, science, tasting	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/
	The Food Project	9th-12th	Multiple	high school, food systems, science, gardening, youth empowerment	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/sustainable-agriculture-curriculum
	GreenTween	6th-8th	10	middle school, horticulture, nutrition, stewardship, plant identification,	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
Health and Nutrition	American Heart Association Teaching Gardens	Pre K-5th	11	preschool, early childhood, elementary school, nutrition, planting, cooking	The American Heart Association's set of lessons engages students in fun, educational, hands-on investigations of nutritious fruits and vegetables in and out of the garden.	http://www.heart.org/HEARTORG/GettingHealthy/HealthierKids/TeachingGardens/Teaching-Gardens-Curriculum_UCM_436630_SubHomePage.jsp#
	Cooking With Kids	K- 6th	34: 11 fruit and vegetable tasting lessons for 3 grade levels (K-1, 2-3, 4-6) and 1 sample cooking lesson (grades 2-3)	common core, tasting, cooking, nutrition, culture, elementary school, New Mexico Academic Standards, National Health Education 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 33 tasting classes available free to download with registration (free).	http://cookingwithkids.net/
	Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Harvesting Health	K-3rd	6	elementary school, physical activity, recipe, gardening, tasting	This website provides a copy of the Network for a Healthy California booklet of garden based education. Including garden set-up, nutrition plans connected to seasonal planting, and motivational tips for physical activities with the class. Also includes links to other regional activities, recipes of the month, and physical activity ideas.	http://www.northcoastnutrition.org/garden-based-nutrition-education-27
	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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/lb/nu/he/nrttogrow.asp
	Helping Youth Eat Real; created for Food Day by Columbia Teachers College	Adaptable for elementary, middle, and high school students	5	nutrition, advocacy, common core	Created for Food Day (October 24 every year), these lessons are about eating fresh and healthy food, eliminating processed foods, and advocating for healthy communities. Lessons may be adapted for younger or older students. This curriculum guide aligns with a number of common core standards.	http://d3n8a8pro7vhm.cloudfront.net/foodday/pages/24/attachments/original/1373291130/FoodDay2013_SchoolCurriculum_FINAL.pdf?1373291130
	Discovering Our Food System from Cornell Garden Based Learning	6th-12th	35	New York state standards, middle school, high school, food systems, nutrition, action project	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://blogs.cornell.edu/garden/files/2011/05/cgbl-dofs-curriculum5.pdf
	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables	Pre-Kindergarten	50	preschool, early childhood, tasting, nutrition	Grow It, Try It, Like It! Preschool Fun with Fruits and Vegetables is a garden-themed nutrition education kit for child care center staff that introduces children to three fruits (peaches, strawberries, and cantaloupe) and three vegetables (spinach, sweet potatoes, and crookneck squash).	http://teammnutrition.usda.gov/Resources/growit.html
	Seed to Salad Lessons from Cornell Garden Based Learning	K-6th	Multiple	elementary school, spanish, gardening, tasting, harvesting, nutrition, art	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://blogs.cornell.edu/garden/get-activities/signature-projects/
	Vermont FEED's Food, Farm, & Nutrition Curriculum Units	K-12th	48	elementary school, middle school, high school, history, nutrition, local food, service learning	Vermont FEED works with schools to raise awareness about healthy food, good nutrition and the role of farms and farmers. Seven food, farm, and nutrition based units for elementary through high school levels. All lessons developed to meet Vermont educational standards.	http://www.vtfeed.org/materials/vermont-farm-school-food-farm-and-nutrition-curriculum-units
	WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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

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Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Education Outside Lesson Pathway	K-5th	Multiple	science, nutrition, art, food systems, elementary	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
	Dig In!	5th-6th	10	harvesting, tasting, recipes, nutrition, food systems	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/dig-standards-based-nutrition-education-ground-0
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
	Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
	Leaders in Environmental Action for the Future (LEAF) Anthology for Urban Environmental Education	9th-12th	Multiple	urban environmental education, high school, science, health, justice, built environment	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
	The Edible Schoolyard Berkeley	6th-8th	Multiple	middle school, kitchen, cooking, nutrition, science, English, History, Social Studies, Art, Culinary, Garden, Professional Development, Nutrition Education, Lessons	A searchable database of user-generated lessons and best practices for edible education programming and professional development at the Edible Schoolyard Berkeley.	http://edibleschoolyard.org/program/edible-schoolyard-berkeley?quicktabs_programs=1
	GreenTween	6th-8th	10	middle school, horticulture, nutrition, stewardship, plant identification,	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
Math	Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/

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Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Granny's Garden School	K-4th	100+	elementary school, gardening, science, math, harvesting	One of the most complete list of lessons used in a garden-based school program that serves 1,800 students in Loveland OH. More than just lessons, but a complete guide to running a comprehensive garden program! Lessons are organized by grade and by season.	http://grannysgardenschool.org/600-0-00-a-about-Lesson-plans.html
	New York Botanical Garden Lesson Plans	K-8th	28	elementary school, middle school	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
	George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/cng_lower_el.pdf
	George Watts Montessori Edible Garden	4th-5th	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/cng_upper_el.pdf
	A Handful of Seeds	2nd-6th	15	math, science, language arts, elementary school	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
	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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
	Life Learning Adademy: Organic Opportunities	9th-12th	21	high school, vocational, marketing, math, language arts	A 21-lesson unit incorporating construction, vocational skills, marketing, gardening, and english/writing. Written by Life Learning Academy, the curriculum is used for students in vocational programs in high schools but could be used and adapted for a variety of schools.	http://www.lifelearningacademysf.org/pdf/curricula/6.5_EarthCurricula_OrganicOpportunities.pdf
	Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
Music	Dig Art!	PreK-12th	22	art, craft, music, preschool, elementary school, middle school, high school	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://blogs.cornell.edu/garden/get-activities/signature-projects/dig-art/

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
Physical Education	Harvesting Health	K-3rd	6	elementary school, physical activity, recipe, gardening, tasting	This website provides a copy of the Network for a Healthy California booklet of garden based education. Including garden set-up, nutrition plans connected to seasonal planting, and motivational tips for physical activities with the class. Also includes links to other regional activities, recipes of the month, and physical activity ideas.	http://www.northcoastnutrition.org/garden-based-nutrition-education-27
	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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
	empowerME4Life	3rd-7th	8	elementary school, middle school, health, nutrition, physical education	An 8-session evidence-based course, empowerME4Life equips youth with the skills and knowledge to eat better and move more. Each 45-minute session builds on the last to reinforce lifelong skills for nutrition and fitness. Teen and adult facilitators can use empowerME4Life in afterschool and community environments to teach the 5 steps to healthier living.	https://www.healthiergeneration.org/_asset/nkt7sr/em4Life_2013_03.pdf
	Kids Gardening Lesson & Activity Index	Pre-K-12th	Multiple	elementary, middle school, high school, art, ELA, math, nutrition, physical education, science, social studies	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.	http://www.kidsgardening.org/lesson-and-activity-ideas
Service Learning	Vermont FEED's Food, Farm, & Nutrition Curriculum Units	K-12th	48	elementary school, middle school, high school, history, nutrition, local food, service learning	Vermont FEED works with schools to raise awareness about healthy food, good nutrition and the role of farms and farmers. Seven food, farm, and nutrition based units for elementary through high school levels. All lessons developed to meet Vermont educational standards.	http://www.vtfeed.org/materials/vermont-farm-school-food-farm-and-nutrition-curriculum-units
	Lead2Feed	6th-12th	10	service learning, hunger,	A team-based, service-learning program that fosters teamwork in an effort to help students learn and develop key leadership skills as they take action to solve real-life hunger issues.	http://lead2feed.com/lessons/
Science	Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/
	Granny's Garden School	K-4th	100+	elementary school, gardening, science, math, harvesting	One of the most complete list of lessons used in a garden-based school program that serves 1,800 students in Loveland OH. More than just lessons, but a complete guide to running a comprehensive garden program! Lessons are organized by grade and by season.	http://grannysgardenschool.org/600-000-a-about-Lesson-plans.html

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	elementary school, middle school, art, history, culture, science, language arts	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
	New York Botanical Garden Lesson Plans	K-8th	28	elementary school, middle school	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
	George Watts Montessori Edible Garden	1st-3rd	15	recipes, gardening, math, science, lower elementary school	15 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	15	science, language arts, recipes, upper elementary school,	15 lessons developed for the George Watts Montessori Edible Garden.	http://growinggardeners.files.wordpress.com/2010/09/lcng_upper_el.pdf
	WE Garden	1st-6th	11	science, reading, writing, nutrition, tasting, food systems, elementary school, agriculture	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
	Soil Stories	2nd	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. Soil stories focuses on soil science. The unit is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/2ndGradeSoilStories2012.pdf
	A Handful of Seeds	2nd-6th	15	math, science, language arts, elementary school	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
	Kids Cook Farm Fresh- Seasonal recipes, activities & farm profiles	2nd-7th	21	recipes, farm profiles, gardening, agriculture, science,	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/lr/nu/he/kidscook.asp
	Garden Pollinators	3rd	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. The unit focuses on pollinators and their role in the garden ecosystem. It is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/3rdGardenPollinators2012.pdf
	Our Growing Place	3rd-5th	40	elementary school, growing, cooking, science, planting	OGP is an easy to follow tool-kit for instructors with little or no experience in cooking or gardening. Lessons are divided into "Garden" and "Kitchen." Lessons can be read online and also downloaded as PDFs. Each has an accompanying video meant to reinforce the text.	http://www.ourgrowingplace.us/
	Garden Habitats	4th	6	science, inquiry-based, elementary school	This science exploration unit was created by Life Lab (lifelab.org) as part of their Science Curriculum. The unit focuses on plant and animal habitats and garden biodiversity. It is aligned with California State Science Standards and the entire curriculum is available for purchase online. Select grade-specific units are available for download as PDF.	http://www.lifelab.org/wp-content/uploads/2010/02/4thGradeHabitats2012.pdf

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	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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
	Plants and Textiles from Cornell Garden Based Learning	5th-12th	5	art, craft, science, history, technology, elementary school, middle school, high school	This set of five lessons explores how plants are used in a variety of textiles (ropes, mats, nets, dyes, and paper). Instructions for creating these different textiles are integrated with history, science, and technology lessons. Individual lessons could potentially be integrated in History and Social Studies courses for various cultures using these types of textiles.	http://blogs.cornell.edu/garden/?page_id=478&preview=true
	The Botany of Desire	5th-12	Multiple	video, chemistry, history, science, art, middle school, high school	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 and http://www.pbslearningmedia.org/search/?q=botany%20of%20desire&selected_facets=supplemental_curriculum_hierarchy_nodes%3A1d4a579f-fe4c-4751-805b-2033e764aaed&display=botany%20of%20desire
	The Edible Schoolyard Berkeley	6th-8th	Multiple	middle school, kitchen, cooking, nutrition, science, English, History, Social Studies, Art, Culinary, Garden, Professional Development, Nutrition Education, Lessons	A searchable database of user-generated lessons and best practices for edible education programming and professional development at the Edible Schoolyard Berkeley.	http://edibleschoolyard.org/program/edible-schoolyard-berkeley?quicktabs_programs=1
	Education Outside Lesson Pathway	K-5th	Multiple	science, nutrition, art, food systems, elementary	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
	EcoHealth 101	6th-8th	10	climate change, science, national science education standards, middle school, high school	Recognized as a National Resources Defence Council "pick of the week," EcoHealth 101 offers ten lessons in the science of climate change, the environment, and human health. This curriculum provides "chapters" with readings and lesson plans, including a good chapter and lesson plan for genetically modified foods.	http://ecohealth.wisc.edu/index.php/teachers-guide-menu/teachers-using-menu/teachers-lesson-menu

Online Curricula and Lesson Plans – BY SUBJECT MATTER

Subject	Name of Curriculum	Grade Level	Number of Lesson Plans	Tags	Description	Website
	Teaching Organic Farming and Gardening: Resources for Instructors. Center for Agroecology and Sustainable Food Systems University of California, Santa Cruz	11th-12th	21	high school, advanced, gardening skills, agriculture	A series of downloadable PDF files from the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz. Includes topics like organic farming and gardening skills and practices, soil science, and social and environmental issues in agriculture.	Teaching Organic Farming: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Organic%20Farming/index.html Teaching Direct Marketing: Resources for Instructors http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/index.html How to Order: http://casfs.ucsc.edu/about/publications/Teaching%20Direct%20Marketing/How%20to%20Order.html
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf
	Leaders in Environmental Action for the Future (LEAF) Anthology for Urban Environmental Education	9th-12th	Multiple	urban environmental education, high school, science, health, justice, built environment	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
	The Food Project	9th-12th	Multiple	high school, food systems, science, gardening, youth empowerment	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/sustainable-agriculture-curriculum
	Eat.Think.Grow	K-5th	Multiple	elementary school, gardening, science, tasting	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/
Social Studies/ History	Farm to Desk Wiki	PreK-12th	Multiple	elementary school, middle school, high school, pre-k, math, science, ELA, health, social studies, art	Online database of lessons organized by age level and subject area. Resources are aligned with National Common Core State Standards, and help teachers to integrate food content into their lessons. Find mini-lesson activities, independent practice questions, and more grouped by grade level and learning standard. Help enrich your classroom with a healthy food culture!	http://www.farmtodesk.org/wiki/
	Plants and Textiles from Cornell Garden Based Learning	5th-12th	5	art, craft, science, history, technology, elementary school, middle school, high school	This set of five lessons explores how plants are used in a variety of textiles (ropes, mats, nets, dyes, and paper). Instructions for creating these different textiles are integrated with history, science, and technology lessons. Individual lessons could potentially be integrated in History and Social Studies courses for various cultures using these types of textiles.	http://blogs.cornell.edu/garden/?page_id=478&preview=true
	Garden Lesson Plans from the Huntington Library, Art Collections, and Botanical Gardens	K-8th	28	elementary school, middle school, art, history, culture, science, language arts	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

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	Vermont FEED's Food, Farm, & Nutrition Curriculum Units	K-12th	48	elementary school, middle school, high school, history, nutrition, local food, service learning	Vermont FEED works with schools to raise awareness about healthy food, good nutrition and the role of farms and farmers. Seven food, farm, and nutrition based units for elementary through high school levels. All lessons developed to meet Vermont educational standards.	http://www.vtfeed.org/materials/vermont-farm-school-food-farm-and-nutrition-curriculum-units
	Nutrition to Grow On	4th-6th	27	nutrition, physical activities, consumerism	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
	The Botany of Desire	5th-12	Multiple	video, chemistry, history, science, art, middle school, high school	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 and http://www.pbslearningmedia.org/search/?q=botany%20of%20desire&selected_facets=supplemental_curriculum_hierarchy_nodes%3A1d4a579f-fe4c-4751-80bb-2033e764aaed&display=botany%20of%20desire
	Gardens for Learning	K-12th	This resource offers lesson ideas and "spotlights" but not full lesson plans	elementary school, middle school, high school, lesson ideas, history, math, ELA, art, health	Gardens for Learning is a comprehensive guidebook that provides information about planning and starting a school garden, ideas about how to integrate curriculum in the garden, and lists of "lesson ideas" for a number of subject areas.	http://csgn.org/sites/csgn.org/files/CSGN_book.pdf