



Kindergarten Lessons Offered

Lesson Title & Description	Standards	FOSS Correlation	Lesson Length	Season, Location & Special Requirements	No. of Garden Parents
<p><i>Garden Greetings!</i> Kindergartners embark upon an exploratory adventure in the school garden. This lesson provides students with the opportunity to develop their observational skills while orienting them to the school garden and teaching them how to safely use garden tools and plant seedlings.</p>	<p>Next Generation Science Standard: K-ESS3 Earth and Human Activity</p> <p>Framework for K-12 Science Education</p> <p>Science & Engineering Practices: Asking Questions and Defining Problems --Ask questions based on observations to find more information about the designed world.</p> <p>Disciplinary Core Ideas ETS1.A: Defining and Delimiting an Engineering Problem --Asking questions, making observations, and gathering information are helpful in thinking about problems.</p> <p>Crosscutting Concepts --Influence of Engineering, Technology, and Science on Society and the Natural World --People depend on various technologies in their lives; human life would be very different without technology</p>	<p>FOSS <i>Trees</i> Module</p> <p>“Leaves and Trees Through the Seasons” Investigations</p>	<p>One Session, 60 Minutes</p>	<p>Fall Date-Range: From: 9/13/16 Through: 12/16/16</p> <p>Outdoors</p> <p>Requirement: Access to school gardens necessary. Requires an area for digging practice, and an area to plant.</p>	<p>2-3 Garden Parents Needed</p>

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<p><i>It's Autumn!</i> Students taste several kinds of winter squash and describe each squash's color, shape, taste, and texture. Students also make their own butter in jars in this fall-themed lesson.</p>	<p>Common Core Content Standards for Mathematics:</p> <p>K.MD 1 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.</p> <p>K.MD 2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference.</p> <p>ELA/Literacy SL.K.5 Add drawings or other visual displays to descriptions as desired to provide additional detail</p>	<p>FOSS <i>Trees</i> Module</p> <p>"Leaves and Trees Through the Seasons" Investigations</p>	<p>One session, 60 minutes</p>	<p>Fall Date-Range: From: 9/13/16 Through: 12/16/16</p> <p>Outdoors</p>	<p>2-3 garden parents needed</p>

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<p>Area of Leaves: Children are introduced to the idea of surface area and practice this abstract concept by measuring the area of a leaf with nonstandard units, such as beans, buttons, or bottle caps</p>	<p>Common Core Content Standards for Mathematics:</p> <p>K.MD 1 Describe measurable attributes of objects, such as length or weight. Describe several measureable attributes of a single object.</p> <p>K.MD 2 Directly compare two objects with a measurable attribute in common, to see which object has “more of”/“less of” the attribute, and describe the difference.</p> <p>K.G 4 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts and other attributes.</p> <p>K.G 5 Model shapes in the world by building shapes from components and drawing shapes.</p>	<p>FOSS <i>Trees</i> Module</p> <p>“Leaves and Trees Through the Seasons” Investigations</p>	<p>One session, 45 minutes</p>	<p>Fall Date-Range: From: 9/13/16 Through: 12/16/16</p> <p>Outdoors</p>	<p>2-3 garden parent needed</p>

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<p><i>Incredible Edibles:</i> Students learn about how a garden grows, identify different parts of a plant and are introduced to edible plant parts.</p>	<p>Next Generation Science Standard: K-LS1-1 Use observations to describe patterns of what plants and animals (including humans) need to survive.</p> <p>Framework for K-12 Science Education: Science & Engineering Practices Analyzing and Interpreting Data</p> <p>Disciplinary Core Ideas LS1.C: Organization for Matter and Energy Flow in Organisms</p> <p>Crosscutting Concepts Patterns</p>	<p>FOSS <i>Trees</i> Module</p> <p>“Leaves and Trees Through the Seasons” Investigations</p>	<p>One Session, 60 Minutes</p>	<p><i>Winter</i> <i>Date-Range:</i> From: 1/3/17 Through: 3/31/17</p> <p>Both Indoors and Outdoors</p>	<p>2 Garden Parents Needed</p>

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<p>Soil Exploration: Students investigate the contents of soil and classifying what they find as either "Alive", "Once Alive" or "Not Alive". They also explore and sift soil, sand, and rocks.</p>	<p>Next Generation Science Standard: K-LS1-1 Use observations to describe patterns of what plants and animals (including humans) need to survive.</p> <p>Framework for K-12 Science Education: Science & Engineering Practices Analyzing and Interpreting Data</p> <p>Disciplinary Core Ideas LS1.C: Organization for Matter and Energy Flow in Organisms</p> <p>Crosscutting Concepts Patterns</p>	<p>FOSS <i>Trees</i> Module</p>	<p>One Session, 60 Minutes</p>	<p>Spring Date-Range From: 4/10/17 Through: 6/1/17</p> <p>Outdoors</p> <p>Requirement: This lesson requires an area in which children can dig, which Living Classroom staff will prepare ahead of time. Access to school garden needed – either Kindergarten garden, main school gardens or both.</p>	<p>2-3 garden parents</p>

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<p>Garden of Senses: Students increase their awareness of their environment by looking for plants and natural objects of a particular color, texture and scent.</p>	<p>Next Generation Science Standard: K-ESS3 Earth and Human Activity</p> <p>Framework for K-12 Science Education Science & Engineering Practices Obtaining, Evaluating, and Communicating Information --Read grade-appropriate texts and/or use media to obtain scientific information to describe patterns in the natural world. --Communicate solutions with others in oral and/or written forms using models and/or drawings that provide detail about scientific ideas.</p> <p>Disciplinary Core Ideas ETS1.B: Developing Possible Solutions --Designs can be conveyed through sketches, drawings, or physical models. These representations are useful in communicating ideas for a problem's solution to other people.</p> <p>Crosscutting Concepts --Interdependence of Science, Engineering, and Technology People encounter questions about the natural world every day</p>		<p>One Session, 45 Minutes</p>	<p>Spring Date-Range From: 4/10/17 Through: 6/1/17</p> <p>Outdoors</p>	<p>2-3 garden parents</p>