

Olivewood Gardens K-2nd Grade Supplementary Field Trip Information

Grade	Essential Question	Lesson	Activities	Books	Additional Resources
K	What does a living thing need to grow?	Is a Seed Alive?	Plant seeds in the classroom in small cups or pots and watch them grow.	<i>Miss Maple's Seeds by Eliza Wheeler</i>	<u>Sesame Street: Living and Non-Living Things</u>
					<u>A Science Mini Unit: Living and Non-Living</u>
1st	What are the parts of the plant?	Plant Parts	Make plant part art projects.	<i>From Seed to Pumpkin by Wendy Pfeffer</i>	<u>Life Lab: Pondering Plants</u>
2nd	What is the importance of biodiversity?	Biodiversity Scavenger Hunt	Take a walk around your school and find the different animals and plants in the school habitat.	<i>The Tree of Life by Rochelle Strauss</i>	<u>What is Biodiversity & Its Importance?</u>
					<u>Better Lesson: Gems of Biodiversity</u>

Olivewood Gardens 3rd Grade Supplementary Field Trip Information

Grade	Trip #	Essential Questions	Lesson	Activities	Books	Additional Resources
3rd	1	How do living things (organisms) change?	Plant Parts	Use different parts of the plant to make an art project.	<i>From Seed to Pumpkin by Wendy Pfeffer</i>	PBS Plant Life Cycles CPalms: Plant Part Dissection
	2	How do living things adapt (organisms)?	Adaptation	Explore the school habitat and look for plants that have adapted to their environment.	<i>Animals in Winter by Henrietta Bancroft, Richard G. Van Gelder, Helen K. Davie</i>	PBS Life as a Plant
	3	How do living things (organisms) depend on one another?	Three Sisters	Have students research the tribes who practiced the Three Sisters planting method, such as the Iroquois or Tewa. Plant beans, corn, and squash in your school garden.	<i>Native American Gardening: Stories, Projects, and Recipes for Families by Michael J. Caduto and Joseph Bruchac</i>	Ag in the Classroom

Olivewood Gardens 4th Grade Supplementary Field Trip Information

Grade	Trip #	Essential Questions	Lesson	Activities	Books	Additional Resources
4th	1	How do the structures of organisms enable growth?	Growing Healthy (MyPlate)	Based on what is served in the cafeteria, ask the students to create a meal that would fit the MyPlate guidelines.	<i><u>Two Bite Club by USDA Food and Nutrition</u></i>	<u>FNS: A Yummy Curriculum</u>
	2	How do humans depend on Earth's resources?	Recycling and Resource Use	Have each student choose 1 item that they use every day and research how that item is made.	<i><u>Where Did My Clothes Come From? By Chris Butterworth</u></i> <i><u>Just a Dream by Chris Van Allsburg</u></i>	<u>Education World: Five Lessons Teach Students to Reduce, Reuse, Recycle</u>
	3	How do the structural units of life support the function of an organism?	Pollination and Fruit Reproduction	Have the students research the life and migration of Monarch butterflies.	<i><u>Oh Say Can You Seed?: All About Flowering Plants by Bonnie Wort</u></i>	<u>Monarch Lab Curricula</u>

Olivewood Gardens 5th Grade Supplementary Field Trip Information

Grade	Trip #	Essential Questions	Lesson	Activities	Books	Additional Resources
5th	1	How does matter cycle through an ecosystem?	Decomposers/FBI	Have the students write a narrative from the perspective of a worm.	<i>Worms Eat Our Garbage: Classroom Activities for a Better Environment</i> by <i>Mary Appelhof, Mary Frances Fenton, Barbara Loss Harris, and Nancy Kostecke</i>	<p><u>Teaching Engineers: How Fast Can a Carrot Rot?</u></p> <p><u>Worms Eat Our Garbage: Classroom Activities for a Better Environment</u></p>
	2	How do humans change the planet?	Introduction to Seasonality	Have each student research where their favorite fruit comes from and how it got to the grocery store.	<i>How Did That Get in My Lunchbox? The Story of Food (Exploring the Everyday)</i> by <i>Chris Butterworth</i>	<p><u>Nourish Curriculum: What's the Story of Your Food?</u></p> <p><u>Nourish Curriculum: In Season</u></p>
	3	How does matter move between plants, animals, and decomposers?	Producers and Consumers	Have the students analyze their lunch tray and identify each component as a producer or consumer.	<i>Seedfolks</i> by <i>Paul Fleischman</i>	<u>PBS: Producers, Consumers, and Decomposers</u>

Olivewood Gardens Middle School Supplementary Field Trip Information

Grade	Essential Question	Lesson	Activities	Books	Additional Information
Middle School	How do the structures of organisms enable growth?	Growing Healthy (MyPlate)	Based on what is served in the cafeteria, ask the students to create a meal that would fit the MyPlate guidelines.	<i><u>Big Ideas by Center for Ecoliteracy</u></i>	<u>Nourish Life Curriculum</u>

Olivewood Gardens High School Supplementary Field Trip Information

Grade	Essential Question	Lesson	Activities	Books	Additional Information
High School	How do humans affect the environment, and how does the environment affect human health	Resources and Recycling	Have the students take an inventory of all of the trash that they produce in one day. Encourage students to find ways to reduce their trash output to conserve resources.	<i>The Story of Stuff</i> by Annie Leonard	CA Academy of Sciences: Natural Resources Bingo
			Have students research their favorite item (cell phone, computer, favorite jeans) and find out how it was made.		UCS: Renewables Are Ready
					The Story of Stuff
High School	How do social and physical factors affect the health outcomes of a community?	Food Swamps and Food Access	In groups, have students come up with practical solutions to a city that is classified as a food desert.	<i>Seed Folks</i> by Paul Fleischmann	USDA: Food Desert Research Atlas
			Encourage the students and their families to attend city planning meetings to encourage the construction of grocery stores and healthy food stores in their area.		Teaching Tolerance: Food Deserts