

Grade 4 Benchmarks

Activity	Language Arts	Mathematics	Science	Social Studies
Ecology and Environmental Horticulture				
1. <i>Nature Class Web</i> - To create a web to understand the inter-relatedness of life on earth.			1, 7	3, 4
2. <i>Food Chain Gang</i> - To play a game represent the inter-relatedness of animals and the environment within the food chain.			1, 7	3, 4
3. <i>Polluting Your Planet</i> - To observe the effects of pollution on a model of the earth.		15, 17	5, 7, 8	3, 4
4. <i>Exploding Cactus</i> - To demonstrate how cacti are able to store water.			1, 2	
5. <i>Garden Weather Station</i> - To create weather instruments and monitor weather conditions.		1, 2, 5, 6, 7, 8, 14, 15, 17, 18, 30, 31, 32, 33, 34, 35, 37	5, 6, 7, 10	
1. <i>The Tree Community</i> - To observe the variety of life supported by a single tree.			1, 2, 5	4
2. <i>Gourd Bird House</i> - To grow and build habitats for birds using gourds.				2
3. <i>Our Pocket Park</i> - To beautify an outdoor area.	1, 2, 4, 5, 6, 8, 11, 13, 15	6, 14, 17, 18, 30, 37	1, 2, 3, 10	2, 3
4. <i>Backyard Buddy</i> - To reward environmentally friendly		31, 32, 34	1, 7	3
5. <i>Visit with a Vet</i> - To understand needs and habitats of animals in your community.			1, 7	3
1. <i>On the Move</i> - To understand how pollution can create many indirect negative effects.			1, 5, 7	4
2. <i>Both Sides of the Fence</i> - To voice opinions in a debate format.	13, 15		7, 8	2, 3, 4
3. <i>Weighing Wastes</i> - To measure amount of food wastes produced at a meal and work to reduce wastes for the future.		6, 7, 15, 17, 30, 31, 32, 33, 34, 35, 37	1, 8, 10	3, 4
4. <i>Let's Try Organic</i> - To implement organic gardening ideas into a garden setting.			1, 2, 5, 7	3, 4
5. <i>Xeriscape</i> - To build a garden site using water conservation concepts.			1, 2, 5, 7	3, 4
1. <i>Vermi-Composting</i> - To recycle food wastes with vermi-composting.			1, 2, 5, 7	3, 4
2. <i>Super Mowing Machine</i> - To utilize creativity to invent a new mowing machine.	1, 10		9	
3. <i>Grow Cards</i> - To recycle newspaper to create plantable greeting cards.	13, 15	15, 17	1, 7	3
4. <i>Know & Show Recycling Sombrero</i> - To wearable works of art that displays materials that can be recycled.			7	3
1. <i>Plant Pounding</i> - To transfer the likeness of plant parts to fabric.				

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2. <i>Let's Dye It</i> - To color eggs or fabrics using dyes created from natural materials.		15, 17		
3. <i>Nature Windows</i> - To create art using natural materials.	13, 15	14, 17, 18		
4. <i>Garden Folk</i> - To build a scarecrow.	13, 15		9	
5. <i>Nature Masks</i> - To create wearable art using natural materials.				
6. <i>Mother Nature's Children</i> - To create art using natural materials.				