

## Grade 4 Benchmarks

Activity	Language Arts	Mathematics	Science	Social Studies
<b>Plant Growth and Development</b>				
1. <i>Hamburger Plant?</i> - To become aware of dependence on plants as the originator of most food sources	11, 12, 13, 15, 16, 17, 18, 19, 20		1, 2	4
2. <i>Benefits Mobile</i> - To be aware of the dependence all people have on plants	11, 12, 17, 18, 19		1, 2	4
3. <i>Know &amp; Show Sombrero</i> - To show an understanding of the benefits of plants to people			1	
4. <i>The Medicine Plant</i> - To recognize the medicinal properties of the aloe vera plant			2	
5. <i>Choo-Choo Song</i> - To associate a variety of plants with their food products by learning a song			1	
1. <i>Leaves &amp; Seeds Sort Info Chart</i> - To be able to classify leaves and seeds as monocots & dicots		2, 4, 5, 36	2	4
1. <i>Plant Parts Rap</i> - To gain understanding of the main parts of a plant and role each performs			1, 2	
2. <i>Touch &amp; Tell</i> - To use information learned about plant parts to identify plant materials by touch			1, 2	
3. <i>Plant Parts We Eat</i> - To identify the various plant parts that are used for food			2	4
4. <i>Seed Science</i> - To use the scientific method to determine the effect on plant growth of removing the cotyledons from seeds		6, 16, 37	1, 2	
5. <i>Flower Dissect</i> - To identify the different parts of a flower			2	
1. <i>P.L.A.N.T. Needs</i> - To become familiar with plants' needs			2	4, 3
2. <i>What's Not the Same?</i> - To become familiar with variables and constants		5, 9, 10, 11, 14, 16, 17, 18, 30, 37	1, 2, 5, 10	
3. <i>Plant People</i> - To show an understanding of plant needs through creative arts		6, 9, 10, 14, 15, 17, 30, 37	2	
4. <i>Picture Yourself a Plant</i> - To show an understanding of plant needs through creative arts	1, 1, 10		1	3
1. <i>Coconut Float</i> - To illustrate the different ways seeds are dispersed			1, 2	
2. <i>Plant Performance</i> - To develop an understanding of plant needs through creative writing	13, 15			
3. <i>Topiary</i> - To create living, growing works of art		6, 30, 37	1	
4. <i>Power Seeds</i> - To observe the force seeds exhibit in the germination process			1, 2, 5	
1. <i>Oxygen Factory</i> - To illustrate the process of photosynthesis			2	
2. <i>Gas Gobblers</i> - To demonstrate the interdependence people and animals share with plants through the exchange of oxygen and carbon dioxide			2, 5	

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3. <i>Spinning Seeds</i> - To determine the effect of geotropism on plants			2, 7, 10	
1. <i>Paper Pot</i> - To create recyclable pots and propagate plants by seed			7	
2. <i>Gallon Greenhouse</i> - To show an understanding of the environment needed to propagate plants			1, 2	
3. <i>Propagation Demonstration</i> - To demonstrate how to propagate plants by direct seeding, stem cuttings, leaf cuttings, root cuttings, division, and layering		6, 30, 37	1, 2, 10	