

## Grade 5 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	1, 6, 17, 19, 20, 20, 21, 22, 27, 44, 46		4	3
2. <i>Benefits Mobile</i> - To be aware of the dependence all people have on plants	6, 22, 27, 44		4	3
3. <i>Know &amp; Show Sombrero</i> - To show an understanding of the benefits of plants to people			4	3
4. <i>The Medicine Plant</i> - To recognize the medicinal properties of the aloe vera plant			3	1
5. <i>Choo-Choo Song</i> - To associate a variety of plants with their food products by learning a song				
1. <i>Leaves &amp; Seeds Sort Info Chart</i> - To be able to classify leaves and seeds as monocots & dicots		6, 29	1	3
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	
3. <i>Plant Parts We Eat</i> - To identify the various plant parts that are used for food			5	1, 3, 5
4. <i>Seed Science</i> - To use the scientific method to determine the effect on plant growth of removing the cotyledons from seeds		11, 18	5	
5. <i>Flower Dissect</i> - To identify the different parts of a flower			2	3
1. <i>P.L.A.N.T. Needs</i> - To become familiar with plants' needs			2, 3	3
2. <i>What's Not the Same?</i> - To become familiar with variables and constants		9, 10, 11, 13, 15, 17, 18, 33	2, 3, 5	
3. <i>Plant People</i> - To show an understanding of plant needs through creative arts		8, 9, 10, 11, 33	5	
4. <i>Picture Yourself a Plant</i> - To show an understanding of plant needs through creative arts	1, 3, 4, 12, 13, 25			3
1. <i>Coconut Float</i> - To illustrate the different ways seeds are dispersed			2, 3	
2. <i>Plant Performance</i> - To develop an understanding of plant needs through creative writing	17, 19, 20, 21			
3. <i>Topiary</i> - To create living, growing works of art		8, 9, 10, 11, 33		
4. <i>Power Seeds</i> - To observe the force seeds exhibit in the germination process			2	
1. <i>Oxygen Factory</i> - To illustrate the process of photosynthesis			2, 3, 4	
2. <i>Gas Gobblers</i> - To demonstrate the interdependence people and animals share with plants through the exchange of oxygen and carbon dioxide			3, 4	3

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3. <i>Spinning Seeds</i> - To determine the effect of geotropism on plants				3
1. <i>Paper Pot</i> - To create recyclable pots and propagate plants by seed			4, 6	
2. <i>Gallon Greenhouse</i> - To show an understanding of the environment needed to propagate plants			2, 3	
3. <i>Propagation Demonstration</i> - To demonstrate how to propagate plants by direct seeding, stem cuttings, leaf cuttings, root cuttings, division, and layering		8, 9, 10, 11, 33	2, 3, 5	