

Grade 3 Benchmarks

Activity	Language Arts	Mathematics	Science	Social Studies
Plant Growth and Development				
1. <i>Hamburger Plant?</i> - To become aware of dependence on plants as the originator of most food sources	1, 2, 3, 7, 12, 16, 18, 21		1, 2	
2. <i>Benefits Mobile</i> - To be aware of the dependence all people have on plants	1, 2, 3, 7, 12, 15, 16, 18, 21		1, 2	
3. <i>Know & Show Sombrero</i> - To show an understanding of the benefits of plants to people	1, 2, 3, 21		1, 2	
4. <i>The Medicine Plant</i> - To recognize the medicinal properties of the aloe vera plant	1, 2, 3, 21		2	1
5. <i>Choo-Choo Song</i> - To associate a variety of plants with their food products by learning a song	1, 2, 3, 21			
1. <i>Leaves & Seeds Sort Info Chart</i> - To be able to classify leaves and seeds as monocots & dicots	1, 2, 3, 4, 13, 16, 17, 18, 19, 21	13	2	3
1. <i>Plant Parts Rap</i> - To gain understanding of the main parts of a plant and role each performs	1, 2, 3, 21		2	
2. <i>Touch & Tell</i> - To use information learned about plant parts to identify plant materials by touch	1, 2, 3, 16, 17, 18, 19, 21		2	
3. <i>Plant Parts We Eat</i> - To identify the various plant parts that are used for food	1, 2, 3, 16, 19, 21		2	3
4. <i>Seed Science</i> - To use the scientific method to determine the effect on plant growth of removing the cotyledons from seeds	1, 2, 3, 16, 18, 21	22, 23	1, 2, 5, 7	
5. <i>Flower Dissect</i> - To identify the different parts of a flower	1, 2, 3, 21		2	
1. <i>P.L.A.N.T. Needs</i> - To become familiar with plants' needs	1, 2, 3, 16, 17, 18, 21		1, 2	
2. <i>What's Not the Same?</i> - To become familiar with variables and constants	1, 2, 12, 17, 18, 19, 21	23, 54	1, 2, 5, 7	
3. <i>Plant People</i> - To show an understanding of plant needs through creative arts	1, 2, 3, 17, 21	6, 23		
4. <i>Picture Yourself a Plant</i> - To show an understanding of plant needs through creative arts	1, 2, 3, 13, 17, 18, 18, 19, 21		1	3
1. <i>Coconut Float</i> - To illustrate the different ways seeds are dispersed	1, 2, 3		2	
2. <i>Plant Performance</i> - To develop an understanding of plant needs through creative writing	1, 2, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23			
3. <i>Topiary</i> - To create living, growing works of art	1, 2, 3		2	
4. <i>Power Seeds</i> - To observe the force seeds exhibit in the germination process	1, 2, 3		1, 2, 7	
1. <i>Oxygen Factory</i> - To illustrate the process of photosynthesis	3		2, 5	

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2. <i>Gas Gobblers</i> - To demonstrate the interdependence people and animals share with plants through the exchange of oxygen and carbon dioxide	3	13, 14, 32, 35	1, 5	
3. <i>Spinning Seeds</i> - To determine the effect of geotropism on plants	3		1, 2, 4, 5	
1. <i>Paper Pot</i> - To create recyclable pots and propagate plants by seed	1, 2, 3		1	
2. <i>Gallon Greenhouse</i> - To show an understanding of the environment needed to propagate plants	1, 2, 3	13, 14	1, 2, 6	
3. <i>Propagation Demonstration</i> - To demonstrate how to propagate plants by direct seeding, stem cuttings, leaf cuttings, root cuttings, division, and layering	3	16, 23, 57	2, 4, 5, 7	