

Grade 3 Benchmarks

Activity	Language Arts	Mathematics	Science	Social Studies
Soils and Water				
1. <i>Touchy Feely</i> - To understand soil texture and the properties of different soil types and soil particles	1, 2, 3		5, 7	
2. <i>Mud Pies</i> - To feel the difference in soil textures	1, 2, 3		4, 5	1
3. <i>Shake, Rattle, and Roll</i> - To identify amounts of soil particles that make up a soil's texture	1, 2, 3, 12	13, 23	4	1
4. <i>Candy Aggregate</i> - To create an edible model illustrating that soil is made up of many different components	1, 2, 3		4	1
1. <i>Nutrient Variable</i> - To use scientific method to study the effects of fertilizer on plant growth	1, 2, 7, 12, 15, 18	3, 6, 13, 14, 20, 21, 57	1, 2, 5, 6, 7	1,3
2. <i>The Numbers on the Bag Song</i> - to gain an understanding of how nutrients in fertilizer help plants	1, 2, 3		5	
3. <i>Bumps Below</i> - To become familiar with plants that produce their own nitrogen	1, 2, 3		2, 5	
1. <i>Building Bins & Compost Sandwiches</i> - To build a composting bin for creating organic matter to amend soil	1, 2, 3	22, 23, 27, 36, 37, 39, 41, 42	1, 2, 5	
2. <i>Composting Critter Page</i> - To identify organisms that are a part of the composting process.	1, 2, 3		2, 5	3
3. <i>Compost Sandwich Composition</i> - To compose a paragraph to support the claim that it is important to compost	1, 2, 3, 5, 7, 12, 13, 14, 15, 16, 17, 18, 19, 20			
1. <i>Earth Apple</i> - To become familiar with plants' needs	1, 2, 3, 4	13, 14	2	3
2. <i>Cloud Maker</i> - To demonstrate the process of condensation	1, 2, 3		2, 6	
3. <i>Cycle Song</i> - To gain understanding of the water cycle through music	1, 2, 3			
4. <i>Apple Rings & Banana Chips</i> - To measure the amount of water in fruit	1, 2, 3	6, 21, 27, 29, 57	2, 5, 6, 7	3
1. <i>Out of the Spout</i> - To develop an understanding of how water moves through different soil textures	1, 2	6, 23, 27, 56, 60	4, 6	
2. <i>Where Did It Go?</i> - To demonstrate that water can be held in air spaces in the soil	1, 2, 3	27, 41, 42, 53, 56, 60	4, 5, 6, 7	
3. <i>Water Flows, Soil Goes</i> - To demonstrate the effects of water erosion on bare soil	1, 2, 3	27, 28, 41, 42, 56, 60	4, 5, 6	