

Grade 4 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			6, 8	
2. <i>Mud Pies</i> - To feel the difference in soil textures			6	3
3. <i>Shake, Rattle, and Roll</i> - To identify amounts of soil particles that make up a soil's texture	6, 22, 27, 44		6, 8	3
4. <i>Candy Aggregate</i> - To create an edible model illustrating that soil is made up of many different components			6	3
1. <i>Nutrient Variable</i> - To use scientific method to study the effects of fertilizer on plant growth	6, 22, 27, 44	1, 4, 6, 8, 13, 15, 17, 26, 27, 28, 29, 30	3, 6	3
2. <i>The Numbers on the Bag Song</i> - to gain an understanding of how nutrients in fertilizer help plants			3, 5, 6	
3. <i>Bumps Below</i> - To become familiar with plants that produce their own nitrogen	6, 22, 27, 44		1, 2	
1. <i>Building Bins & Compost Sandwiches</i> - To build a composting bin for creating organic matter to amend soil		4, 6, 8, 9, 10, 11, 13, 15, 17, 26, 27, 28, 29, 30, 33	1, 2	
2. <i>Composting Critter Page</i> - To identify organisms that are a part of the composting process.			1	1, 3, 5
3. <i>Compost Sandwich Composition</i> - To compose a paragraph to support the claim that it is important to compost	1, 2, 3, 4, 10, 12, 13, 14, 17, 18, 19, 20, 21, 27			3
1. <i>Earth Apple</i> - To become familiar with plants' needs	14, 16, 17, 19, 25, 26, 32, 36, 42	1, 4, 6, 8, 9, 10, 11, 18, 26, 27, 28, 29, 30, 33	1, 2, 3	1, 3, 5
2. <i>Cloud Maker</i> - To demonstrate the process of condensation			6	
3. <i>Cycle Song</i> - To gain understanding of the water cycle through music			6	
4. <i>Apple Rings & Banana Chips</i> - To measure the amount of water in fruit	6, 14, 16, 17, 19, 22, 25, 26, 27, 32, 36, 42, 44	1, 4, 6, 8, 9, 10, 11, 13, 15, 17, 18, 26, 27, 28, 29, 30, 33, 34, 35	1	1, 3, 5
1. <i>Out of the Spout</i> - To develop an understanding of how water moves through different soil textures		8, 9, 10, 11, 13, 15, 17, 18	1, 2, 3, 6	
2. <i>Where Did It Go?</i> - To demonstrate that water can be held in air spaces in the soil		9, 10, 11, 13, 15, 17, 26, 27, 28, 29, 30, 33, 34, 35	6	
3. <i>Water Flows, Soil Goes</i> - To demonstrate the effects of water erosion on bare soil		9, 10, 11, 13, 15, 17, 26, 27, 28, 29, 30, 33, 34, 35	3, 6	