

Big Idea: Plants and Habitats						
Content: Science		Grade: Kindergarten		Unit 3 and 4 Time Frame: Nov 9 th ~Dec 17 th		
Essential Questions	Content	Skills	Key Terms	Assessment	Text	CCCS
<ol style="list-style-type: none"> 1. What are plants like? 2. What do plants need? 3. What are some plants parts? 4. How do plants grow and change? 5. Where do animals and 	<ol style="list-style-type: none"> 1. Many Plants Identify trees, shrubs, grasses and kinds of plants and sort into groups based on characteristics 2. What Plants need Recognize what plants need and observe and compare the growth of plants 3. Plant Parts Recognize that stems, roots, leaves, flowers, 	<ol style="list-style-type: none"> 1. Students will observe and describe what the day sky looks like. 2. Students will recognize when they can see the sun. 3. Students will recognize that things are pulled toward the ground unless something lifts them up. 4. Students will observe and describe rocks 5. Students will give examples of ways rocks are useful. 6. Students will describe the properties of water. 7. Students will identify and describe weather conditions 	Tree Shrub Grass Light Air Soil Space to grow Water Leaf Fruit Flower Roots Stem Seeds Flower Seed Sprout Seedling Adult plant Habitat shelter	<ul style="list-style-type: none"> • Quizzes • Home projects • Classwork Projects/Activities <i>Unit 3:</i> 1. Growing a lima bean plant 2. Plant log 3. Plant parts-pumpkin 4. Observe a plants needs <i>Unit 4</i> 1. Model terrarium 2. Habitat mobile	Science Fusion by Think Central	5.1.4. A Science Practices/ Understand Scientific Explanations 3. Use scientific facts, measurements, observations, and patterns in nature to build and critique scientific arguments. 5.1.4.B Science Practices/ Generate Scientific Evidence Through Active Investigations 3. Formulate explanations from evidence. 5.1.4.C Science Practices/ Reflect on Scientific Knowledge 2. Revise predictions or explanations on the basis of learning new information.

<p>plants live? 6. Why do animals and plants need each other?</p>	<p>fruits and seeds are parts of plants and observe and identify parts of a plant</p> <p>4. Plants Grow and Change Describe the sequence of stages in a plants life cycle</p> <p>5. Homes for living things Understand that animals and plants are found in different habitats and environments and describe those environments</p> <p>6. Animals and Plants together Describe how animals and plants depend on each other and how</p>	<p>8. Students will observe and determine the effects of weather on human activities</p> <p>9. Students will understand the use of a windmill and a thermometer</p> <p>10. Students will use tools to identify weather changes from day to day</p> <p>11. Students will identify matter as a solid, liquid, and gas</p> <p>12. Students will recognize the physical changes of matter</p> <p>13. Students will know the difference between the night sky and the day sky, and students will be able to describe what they see during the night sky and the day sky.</p> <p>14. Students will be able to describe the properties of water, and students will know what natural resources are.</p> <p>15. Students will be able to identify weather patterns.</p>		<p>3. Desert sand painting</p> <p>4. Make a dam</p>		<p>5.1.4.D Science Practices/ Participate Productively in Science</p> <p>3. Demonstrate how to safely use tools, instruments, and supplies.</p> <p>5.2.2.A Physical Science/ Properties of Matter</p> <p>1. Sort and describe objects based on the materials of which they are made and their physical properties.</p> <p>5.2.2.A Physical Science/A. Properties of Matter</p> <p>1. Sort and describe objects based on the materials of which they are made and their physical properties.</p> <p>2. Identify common objects as solids, liquids, or gases.</p> <p>5.4.2.G Earth Systems Science/ Biogeochemical Cycles</p> <p>.1.4.D Science Practices/ Participate Productively in Science</p> <p>3. Demonstrate how to safely use tools, instruments, and supplies.</p>
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	<p>they both change their surroundings</p>	<p>16. Students will know what a thermometer and a windmill do. 17. Students will be able to identify the three states of matter. 18. Students will understand that matter can change physically by heating, cooling, tearing, or cutting.</p>				<p>5.4.2.F Earth Systems Science/ Climate and Weather 1. Observe and document daily weather conditions and discuss how the weather influences your activities for the day.</p> <p>5.1.4. A Science Practices/ Understand Scientific Explanations 3. Use scientific facts, measurements, observations, and patterns in nature to build and critique scientific arguments.</p> <p>5.1.4.B Science Practices/ Generate Scientific Evidence Through Active Investigations 3. Formulate explanations from evidence.</p> <p>5.1.4.C Science Practices/ Reflect on Scientific Knowledge 2. Revise predictions or explanations on the basis of learning new information.</p> <p>5.1.4.D Science Practices/ Participate Productively in Science</p>
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