

<b>Big Idea: Weather and Seasons</b>						
<i>Content: Science</i>		<i>Grade: Kindergarten</i>		<i>Unit 7 and 8 Time Frame: February 16<sup>th</sup>- March 26<sup>th</sup></i>		
Essential Questions	Content	Skills	Key Terms	Assessment	Text	CCCS
<ol style="list-style-type: none"> <li>1. What is weather?</li> <li>2. How can we measure weather?</li> <li>3. What are the seasons?</li> <li>4. How do we describe and sort matter?</li> <li>5. How can we</li> </ol>	<p><b>Weather:</b> Identify and describe weather conditions Observe and determine the effects of weather on human activities Observe and describe day to day weather changes.</p> <p><b>Measuring Weather:</b> Identify and demonstrate the use of a thermometer and a windsock. Use common</p>	<ol style="list-style-type: none"> <li>1. Students will identify and describe weather conditions</li> <li>2. Students will observe and determine the effects of weather on human activities</li> <li>3. Students will understand the use of a windmill and a thermometer</li> <li>4. Students will use tools to identify weather</li> </ol>	Matter Change Heat Cool Liquid Solid Gas Weather Sunny Snowy Rainy Cloudy Windy Thermometer Windsock Spring Summer Fall Winter Seasons	<ul style="list-style-type: none"> <li>• Classwork</li> <li>• Home Projects</li> <li>• Quizzes</li> </ul> Projects/Activities <i>Unit 7:</i> <ol style="list-style-type: none"> <li>1. Observe the weather</li> <li>2. Measure temperature</li> <li>3. Season windows</li> <li>4. Picture graph</li> </ol> <i>Unit 8</i> <ol style="list-style-type: none"> <li>1. Compare objects</li> <li>2. Sink or Float</li> <li>3. Matter can change</li> </ol>	Science Fusion by Think Central	<ol style="list-style-type: none"> <li>5.1.4. A Science Practices/ Understand Scientific Explanations</li> <li>3. Use scientific facts, measurements, observations, and patterns in nature to build and critique scientific arguments.</li> <li>5.1.4.B Science Practices/ Generate Scientific Evidence Through Active Investigations</li> <li>3. Formulate explanations from evidence.</li> <li>5.1.4.C Science Practices/ Reflect on Scientific Knowledge</li> <li>2. Revise predictions or explanations on the basis of learning new information.</li> </ol>

<p>change matter? 6. How can heating and cooling change matter?</p>	<p>tools to measure weather. Use tools to observe and identify weather changes from day to day.</p> <p><b>Seasons::</b> Identify and describe the characteristics of the four seasons. Identify seasonal changes as a repeating pattern Describe how the seasons affect plants and animals</p> <p><b>Matter:</b> Identify matter as a solid, liquid or gas. Observe and describe properties of objects</p>	<p>changes from day to day</p> <p>5. Students will identify matter as a solid, liquid, and gas</p> <p>6. Students will recognize the physical changes of matter</p>		<p>4. Make ice-pops</p>	<p>5.1.4.D Science Practices/ Participate Productively in Science 3. Demonstrate how to safely use tools, instruments, and supplies.</p> <p>5.2.2.A Physical Science/ Properties of Matter 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 1. Sort and describe objects based on the materials of which they are made and their physical properties. 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 3. Demonstrate how to safely use tools, instruments, and supplies.</p>
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	<p>Compare and sort objects based on observable properties.</p> <p><b>Matter Can Change:</b> describe how paper and clay can be changes. Recognize that the shape of materials can be changes by cutting, tearing, crumpling, smashing or rolling. Recognize physical changes of matter.</p> <p><b>Matter changing:</b> Observe and record, discuss how matter can be changed by heating. Observe, record and</p>					<p>5.4.2.F Earth Systems Science/ Climate and Weather</p> <p>1. Observe and document daily weather conditions and discuss how the weather influences your activities for the day.</p>
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	discuss how matter can be changed by cooling.					
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