



## Quarter 2 Element School Science SIAs Choice Resources

Grade	Standard	Resource
K	K.ESS2.2: Develop and use models to predict weather and identify patterns in spring, summer, autumn, and winter.	<p><b><u>Winter Weather</u></b></p> <p>When winter comes, different kinds of weather come with it. Here are some things that people might see in the winter.</p> <p>Grade: K, Words: 103, Lexile: 500L, Nonfiction</p>
1st	1.PS4.1: Use a model to describe how light is required to make objects visible. Summarize how illumination could be from an external light source or by an object giving off its own light.	<p><b><u>Light</u></b></p> <p>Some things in nature give off light. The sun gives off light. Fire gives off light. Lightning gives off light.</p> <p>Grade: 1, Words: 91, Lexile: 210L, Nonfiction</p>
2 <sup>nd</sup>	2.ESS2.3: Compare simple maps of different land areas to observe the shapes and kinds of land (rock, soil, sand) and water (river, stream, lake, pond).	<p><b><u>Learning About Earth</u></b></p> <p>Look at a map of Earth. You will see lots of blue. Blue is the color usually used to show water.</p> <p>Grade: 2, Words: 199, Lexile: 610L, Nonfiction</p>
3 <sup>rd</sup>	3.PS3.2: Apply scientific ideas to design, test, and refine a device that converts electrical energy to another form of energy, using open or closed simple circuits.	<p><b><u>Thunder and Lightning</u></b></p> <p>Summer thunderstorms can be exciting to watch from inside a building. First, you see dark clouds gathering. Suddenly, you see a bolt of lightning. The bright bolt of lightning you saw is really electricity. It is the same electricity that we use to power our lights and TVs.</p> <p>Grade: 3, Words: 552, Lexile: 780L, Nonfiction</p>

4 <sup>th</sup>	4.PS3.2: Observe and explain the relationship between potential energy and kinetic energy.	<p style="text-align: center;"><b><u>The Simple Physics of Soccer</u></b></p> <p>Everyone knows that kicking a soccer ball causes it to roll across the grass. But what makes this happen? What is required to make the ball move faster? What's the difference, in other words, between passing the soccer ball to a teammate and shooting for the goal?</p> <p>Grade: 4, Words: 409, Lexile: 870L, Nonfiction</p>
5 <sup>th</sup>	5.LS4.2: Use evidence to construct an explanation for how variations in characteristics among individuals within the same species may provide advantages to those individuals in their survival and reproduction.	<p style="text-align: center;"><b><u>Drip-Tips and Other Adaptations in the Rainforest</u></b></p> <p>Tropical rainforests have abundant rainfall and are warm year-round. They get at least 80 inches of rainfall each year. (Compare that to how much your town or city gets each year.) These two factors also create challenges for the plants that live there. As a result, plants in tropical rainforests have adapted to these conditions by making adjustments in how they grow.</p> <p>Grade: 5, Words: 627, Lexile: 1070L, Nonfiction</p>

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