

**PRESTON PUBLIC SCHOOLS**  
**Science Curriculum Revision to Align with NGSS**  
**Unit Plan Organizer**  
**1<sup>st</sup> Grade**

<b>Grade Level</b>	<b>Unit Name</b>	<b>Unit Theme Description</b>	<b>NGS Standards Included</b>
1	Plant and Animal Superpowers	This unit about plant and animal survival helps students develop the idea that, just like a superhero has special powers, every animal and plant has special parts and behaviors that help them to grow and meet their needs.	1-LS1-1: Use materials to design a solution to human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs; 1-LS1-2: Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive; 1-LS3-1: Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents; K-2-ETS1-2: Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem; K-2-ETS1-3: Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

1	Lights and Sounds	This unit helps students develop the idea that by exploring the properties of light and sound, human beings create fun and useful things	<p>1-PS4-1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate;</p> <p>1-PS4-2. Make observations to construct an evidence-based account that objects can be seen only when illuminated;</p> <p>1-PS4-3. Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light;</p> <p>1-PS4-4. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance;</p> <p>K-2-ETS1-2: Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.</p>
1	Spinning Sky	This unit helps students develop the idea that the sun, moon, and stars change position in the sky in ways that are fun to watch and predict.	<p>1-ESS1-1: Use observations of the sun, moon, and stars to describe patterns that can be predicted;</p> <p>1-ESS1-2: Make observations at different times of year to relate the amount of daylight to the time of year.</p>