

**ADW Grade 1 Science Standards  
2017**

<b>PHYSICAL SCIENCE (PS)</b>	<b>Standards</b>
<b>SC.1.PS.1</b>	Make observations to construct an evidence-based account that objects can be seen only when illuminated.
<b>SC.1.PS.2</b>	Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.
<b>SC.1.PS.3</b>	Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
<b>SC.1.PS.4E</b>	Use tools and materials to design and build a simple device that uses light or sound to solve the problem of communicating over a distance.
<b>LIFE SCIENCE (LS)</b>	<b>Standards</b>
<b>SC.1.LS.1</b>	Use observations of physical features of common living organisms to determine patterns used for classification.
<b>SC.1.LS.2</b>	Describe and compare the basic needs of living organisms.
<b>SC.1.LS.3</b>	Read texts and use media to determine patterns of behavior that aid in survival.
<b>SC.1.LS.4E</b>	Develop a model mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs. Explore how those external parts could solve a human problem.
<b>EARTH AND SPACE SCIENCE (ESS)</b>	<b>Standards</b>
<b>SC.1.ESS.1</b>	Describe and compare objects seen in the night and day sky.
<b>SC.1.ESS.2</b>	Use observations of the sun, moon, and stars to describe patterns that can be predicted.
<b>SC.ESS.3E</b>	Make observations to determine the effect of sunlight on Earth's surface and use tools and materials to design and build a structure to increase or decrease the warming effect on an area.
<b>Grades K-2 Engineering Standards (E )</b>	<b>Standards</b>
<b>SC.K-2.E.1</b>	Pose questions, make observations, and obtain information about a situation people want to change. Use this data to define a simple problem that can be solved through the construction of a new or improved object or tool.
<b>SC.K-2.E.2</b>	Develop a simple sketch, drawing, or physical model to illustrate and investigate how the shape of an object helps it function as needed to solve an identified problem.
<b>SC.K-2.E.3</b>	Analyze data from the investigation of two objects constructed to solve the same problem to compare the strengths and weaknesses of how each performs.