

**ADW Grade 1 Science Standards
2017**

PHYSICAL SCIENCE (PS)	Standards
SC.1.PS.1	Make observations to construct an evidence-based account that objects can be seen only when illuminated.
SC.1.PS.2	Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.
SC.1.PS.3	Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
SC.1.PS.4E	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.
LIFE SCIENCE (LS)	Standards
SC.1.LS.1	Use observations of physical features of common living organisms to determine patterns used for classification.
SC.1.LS.2	Describe and compare the basic needs of living organisms.
SC.1.LS.3	Read texts and use media to determine patterns of behavior that aid in survival.
SC.1.LS.4E	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.
EARTH AND SPACE SCIENCE (ESS)	Standards
SC.1.ESS.1	Describe and compare objects seen in the night and day sky.
SC.1.ESS.2	Use observations of the sun, moon, and stars to describe patterns that can be predicted.
SC.ESS.3E	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.
Grades K-2 Engineering Standards (E)	Standards
SC.K-2.E.1	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.
SC.K-2.E.2	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.
SC.K-2.E.3	Analyze data from the investigation of two objects constructed to solve the same problem to compare the strengths and weaknesses of how each performs.