

ADW Grade 3 Science Standards

2017

PHYSICAL SCIENCE (PS)	Standards
SC.3.PS.1	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
SC.3.PS.2	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each
SC.3.PS.3E	Identify types of simple machines and their uses. Investigate and build simple machines to understand how they are used.
SC.3.PS.4	Investigate how multiple simple machines work together to perform everyday tasks.
SC.3.PS.5	Generate sound energy using a variety of materials and techniques, and recognize that it passes through solids, liquids, and gases (i.e. air).
LIFE SCIENCE (LS)	Standards
SC.3.LS.1	Make observations of plants, animals, and other organisms to compare the diversity of life in different habitats.
SC.3.LS.2	Use evidence to support the claim that organisms in a habitat depend on each other for survival.
SC.3.LS.3	Obtain and communicate information to explain how changes in a habitat can be beneficial or harmful to organisms that live there.
EARTH AND SPACE SCIENCE (ESS)	Standards
SC.3.ESS.1	Record detailed weather observations, including temperature, cloud cover, and type of precipitation on a daily basis over a period of weeks and correlate observations to the time of year. Chart and graph collected data.
SC.3.ESS.2	Plan and conduct an investigation to determine the connections between water processes and weather in Earth systems.
SC.3.ESS.3	Investigate the severe weather of the region and its impact on the community, looking at forecasting to prepare for, and respond to, severe weather.
Grades 3-5 Engineering Standards (E)	Standards
SC.3-5.E.1	Identify a simple problem with the design of an object that reflects a need or a want. Include criteria for success and constraints on materials, time, or cost.
SC.3-5.E.2	Construct and compare multiple plausible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
SC.3-5.E.3	Construct and perform fair investigations in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.