

## NGSS and CC Standards

**2-PS1-2:** Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

**3-PS2-2.** Make observations and/or measurements to provide evidence that a pattern can be used to predict future events.

**W.2.7:** Participate in shared research and writing projects.

**W.2.8:** Recall information from experiences or gather information from provided sources to answer a question.

**W.5.7:** Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.

**W.5.8:** Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.

**W.5.9:** Draw evidence from literary or informational texts to support analysis, reflection, and research.

**K-2-ETS1-1:** Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

**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 the data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

**3-5-ETS1-1:** Define a simple design problem reflecting a need or want that includes specific criteria for success and constraints on materials, time, or costs.

**3-5-ETS1-2:** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

**3-5-ETS1-3:** Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.