

MAINE SCIENCE AND ENGINEERING STANDARDS

K-2-ETS1 Engineering Design

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.

[Asking Questions and Defining Problems](#), [Defining and Delimiting Engineering Problems](#)

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.

[Developing and Using Models](#), [Developing Possible Solutions](#), [Structure and Function](#)

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.

[Analyzing and Interpreting Data](#), [Optimizing the Design Solution](#)