

## MAINE SCIENCE AND ENGINEERING STANDARDS

### K-ESS2 Earth's Systems

#### **K-ESS2-1 Use and share observations of local weather conditions to describe patterns over time.**

Further explanation: Examples of qualitative observations could include descriptions of the weather (such as sunny, cloudy, rainy, and warm); examples of quantitative observations could include graphing the number of sunny, windy, and rainy or snowy days in a month. Examples of patterns could include that it is usually cooler in the morning than in the afternoon and the number of sunny days versus cloudy days in different months.

Analyzing and Interpreting Data, Weather and Climate, Patterns

#### **K-ESS2-2 Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.**

Further explanation: Examples of plants and animals changing their environment could include a squirrel digging in the ground to hide its food and tree roots can break concrete. Examples could include ways that humans change their environment to meet their needs (cutting down trees to provide heat, farming to provide food, and the process of snow removal, e.g. sanding/salting the roads, snowplowing, etc.).

Engaging in Argument from Evidence, Biogeology, Human Impacts on Earth Systems, Systems and System Models