

MAINE SCIENCE AND ENGINEERING STANDARDS

K-PS3 Energy

K-PS3-1 Make observations to determine the effect of sunlight on Earth’s surface.

Further explanation: Examples of Earth’s surface could include sand, soil, rocks, and water.

Potential Maine connections could also include beach sand in the sun vs. beach sand in the shade.

Planning and Carrying out Investigations, Conservation of Energy and Energy Transfer, Cause and Effect

K-PS3-2 Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.

Further explanation: Examples of structures could include umbrellas, canopies, and tents that minimize the warming effect of the sun.

Constructing Explanations and Designing Solutions, Conservation of Energy and Energy Transfer, Cause and Effect