

DCI: Energy

K.PS3.B: Conservation of Energy and Energy Transfer

Sunlight warms Earth's surface. (K-PS3-1), (K-PS3-2)

Science and Engineering Practice

Planning and Carrying Out Investigations

Planning and carrying out investigations to answer questions or test solutions to problems in K–2 builds on prior experiences and progresses to simple investigations, based on fair tests, which provide data to support explanations or design solutions. **Make observations (firsthand or from media) to collect data that can be used to make comparisons.** (K-PS3-1)

Science and Engineering Practice

Constructing Explanations and Designing Solutions

Constructing explanations and designing solutions in K–2 builds on prior experiences and progresses to the use of evidence and ideas in constructing evidence-based accounts of natural phenomenon and designing solutions. **Use tools and materials provided to design and build a device that solves a specific problem or a solution to a specific problem.** (K-PS3-2)

Crosscutting Concept

Cause and Effect

Events have causes that generate observable patterns. (K-PS3-1), (K-PS3-2)