

Whirling Windmills

First Grade
Activity: 7

Time: 1 Class Period

General Description

Students will explore wind as a source of energy by constructing their own windmills.

Objectives

Students will explain how windmills demonstrate the use of energy.

Students will identify objects that use energy by what objects change temperature or move.

Arizona State Standards

SC01 S1C1 PO1 Compare common objects using multiple senses

SC01 S1C2 PO1 Demonstrate safe behavior and appropriate procedures (e.g., use of instruments, materials, organisms) in all science inquiry

SC01 S1C2 PO2 Participate in guided investigations in life, physical, Earth and space sciences

SC01 S1C2 PO4 Record data from guided investigations in an organized and appropriate format (e.g., lab book, log, notebook, chart paper)

SC01 S1C4 PO1 Communicate the results of an investigation using pictures, graphs, models, and/or words

SC01 S5C1 PO1 Classify objects by the following observable properties:

- shape
- texture
- size
- color
- weight
- length
- temperature

Materials (per student)

Pencils or straws

Tacks

Activity Card 1-7

Procedure/Exploration

1. Using Activity Card 1-7 cut out the square on the paper along the dotted lines and fold.
2. Attach the pinwheel to the eraser using a tack.
3. Blow on the pinwheel.
4. The class will discuss the results. Invite the students to explain how they know the windmill is using energy.

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Activity Card: 1-7

