

Energy is Everywhere

Kindergarten

Activity: 1

Time: 1 Class Period

General Description

Students will take a walk around the school and use their skills of observation to identify different uses of energy. They will then be asked the following questions: energy? Where does the energy being used come from? After the walk the students will draw at least one thing that used energy. Then the students can create a class graph using the pictures by energy sources; batteries, electricity, solar, a bird flying.

Objectives

Students will observe and identify sources of energy found in the world around them.
Students will describe what energy is in their own words.

Arizona State Standards

SC00 S1C1 PO1 Observe common objects using multiple senses

SC00 S1C2 PO2 Participate in guided investigations in life, physical, Earth and spaces sciences

SC00 S1C4 PO1 Communicate observations with pictographs, pictures, models, and/or words

W00 S1C1 PO1 Generate ideas through class discussion

W00 S1C1 PO2 Draw a picture about ideas generated through class discussion

W00 S3C2 PO1 Participate in crating expository texts (e.g. labels, lists, observations, journals, summaries) through drawing or writing

LS R3 Share ideas, information, opinions and questions

M00 S2C1 PO2 Interpret a pictograph

M00 S2C1 PO3 Answer questions about a pictograph

M00 S2C1 PO4 Formulate questions based on data displayed in graphs, charts, and tables

M00 S2C1 PO5 Solve problems based on simple graphs, charts, and tables

Teacher Background

It is important that the children be given the opportunity to predict what they might see using energy. A basic discussion of what energy is would provide a good introduction to the lesson.

Materials

Paper for recording pictures

Crayons/markers

Large paper for class graph

Procedure/Exploration

1. Ask children what they think energy is. Identify that children have energy, the sun has energy, the wind has energy, etc.
2. The students will take a walking field trip around the school and buildings. Question: What do you see that uses energy?
3. The students will draw at least one thing they saw that uses energy.
4. The class can graph the pictures by energy source (batteries, electricity, solar...).
5. Have the students develop a class definition of energy.