

Fossil Fuels

First Grade

Activity: 4

Time: 1 Class Period

General Description

Students will create their own correct definition of fossil fuels.

Students will understand how their lives would be impacted if all fossil fuels were gone.

Students will brainstorm ways to conserve fossil fuels.

Objectives

Students will identify those things in their life that use fossil fuels, identify the need to conserve, identify some simple things they can do to conserve, and plan how they can put their ideas into action.

Arizona State Standards

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

SC01 S6C1 PO3 Identify common uses of basic Earth materials

SC01 S6C1 PO5 Identify ways to conserve natural resources(e.g., reduce, reuse, recycle, and find alternatives)

Teacher Background

Students need to understand that fossil fuels, coal, oil, natural gas, are Earth materials which are limited. Helping students identify what objects use those resources will help them understand how to conserve. Don't forget that plastic is a product of oil. Providing opportunities for students to create their own definitions of complex words or ideas increases the likelihood they will retain the information. Giving students the opportunity to come up with solutions and putting those ideas into action helps them become more responsible citizens.

Materials (per student group)

Paper

Poster paper

Markers

Procedure/Exploration

1. The teacher will explain what fossil fuels are, where they come from, and what they are used for, electricity, plastics, beverage containers, and many other items.
2. Provide time for the students to take that information and put it into their own words and create illustrations that have meaning for them.
3. Students will brainstorm what items use fossil fuels in their homes and classrooms.
4. Pick the one thing that uses fossil fuels that they would miss the most.
5. Brainstorm ways to conserve fossil fuels.
6. Put one into place as a classroom practice