

# How Does Energy Get to Us?

**Second Grade**

**Activity: 3**

**Time: 1 Class Period**

## General Description

Students will work in groups to determine different ways energy reaches our homes.

## Objectives

Students will illustrate their understanding of energy distribution by creating a poster of water distribution and electricity distribution.

## Arizona State Standards

SC02 S2C2 PO1 Identify components of familiar systems (e.g., organs of the digestive system)

SC02 S2C2 PO2 Identify the following characteristics of a system:

- consists of multiple parts or subsystems
- parts work interdependently

SC02 S3C2 PO1 Analyze how various technologies impact aspects of people's lives (e.g., entertainment, medicine, transportation, communication)

W02 S3C2 PO1 Write expository texts (e.g., labels, lists, observations, journals)

W02 S3C3 PO1 Write a variety of functional text (e.g., classroom rules, letters, experiments, recipes, notes/messages, labels, directions, posters, graphs/tables)

R02 S3C2 PO1 Follow a set of written multi-step directions

## Teacher Background

Help students identify, in your area, whether a single power company provides natural gas, electricity and water, or whether these are provided by separate companies. Gather pamphlets, books, etc. on energy sources students can use in researching and discussing forms of energy and other resources they use everyday.

## Materials

Resources (APS, local city governments, etc. may provide these resources to the students)

Poster paper

Colored pencils/crayons

## Procedure/Exploration

1. Have a class discussion on the different types of energy and services that the students use daily in their homes and at school.
2. Questions: What forms of energy do we use? Where does it come from? How do they get electricity/ water/gas to our homes?

3. Students will divide into groups to research how energy/water/natural gas gets from the source/production location to their home.
4. Each group should record their findings on a poster representing the electricity/water/natural gas distribution from the source to their home or school.