

# ENERGY SOURCE WEB QUEST

## Introduction

There are ten major energy sources used in the United States today. Energy is a part of every aspect of our lives. It is important to learn about energy and its impact on our society.

## Objective

Students will learn about energy sources using web-based resources and create Keynote presentations to teach other students.

## Procedure

1. Students in groups of two will be assigned an energy source.
2. Student groups will use their iPads to research information about their energy source, using at least three of the web resources listed.
3. Student groups will use their iPads to create Keynote presentations on their energy source. The presentations will include:

**5 slides that provide the following information about the energy source:**

Slide 1 - Title slide

Slide 2

- description of the energy source, including renewable or nonrenewable
- history of the energy source

Slide 3

- where the energy source is found and how it is recovered
- how the energy source is used today

Slide 4

- advantages and disadvantages of the energy source
- environmental impacts of the energy source
- future of the energy source

Slide 5

- Resource listing slide

4. Student groups will present their projects to the class.

## Resources

[www.need.org/infobooks.htm](http://www.need.org/infobooks.htm): NEED's energy sources fact sheets

[www.eia.doe.gov/kids](http://www.eia.doe.gov/kids): Energy Information Administration's Kid's Page

[www.energy.gov/kidz/kidzone.html](http://www.energy.gov/kidz/kidzone.html): Department of Energy's Kids Zone

[www.awea.org](http://www.awea.org): American Wind Energy Association

[www.acf-coal.org](http://www.acf-coal.org): American Coal Foundation

[www.nei.org](http://www.nei.org): Nuclear Energy Institute

[www.hydro.org](http://www.hydro.org): National Hydropower Association

[www.ases.org](http://www.ases.org): American Solar Energy Society

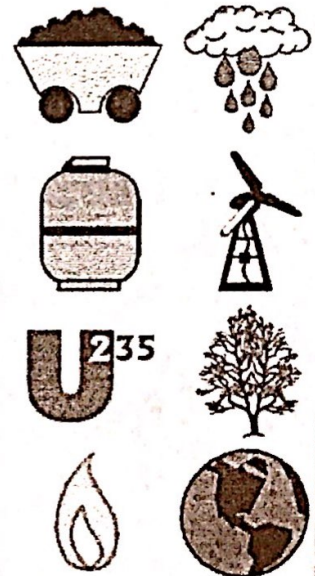
[www.propanecouncil.org](http://www.propanecouncil.org): Propane Education and Research Council

[www.biomass.org](http://www.biomass.org): American Bioenergy Association

[www.geotherm.org](http://www.geotherm.org): Geothermal Energy Association

[www.api.org](http://www.api.org): American Petroleum Institute

[www.ngsa.org](http://www.ngsa.org): Natural Gas Supply Association



## Evaluation

Keynote presentations will be uploaded to **Gaggle** and scored by the teacher using a 1-to-5 rubric which will evaluate knowledge of the energy source, content of the presentation, level of participation in the research and presentation, and design and creativity of the presentation.