

Introduction:

There are 11 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:

You will learn about energy sources using library research and creating a 3D model with facts about your energy source so you can teach other students about these energy sources.

Procedure:

- 1) Your project must be on 1 energy source!! **Choose 1** energy source either renewable or non-renewable. (oil/petroleum, natural gas, coal, uranium/nuclear, bioenergy/biomass, geothermal, hydropower, solar, wind, hydrogen, wood.)
- 2) Research your chosen energy source using the library (books and/or computers).
- 3) You will then take your gathered information and use a creative way to show your research (note cards, flags on your project or a tri-fold board) This project must include:
 - a. A description of the energy sources, include if it is renewable or non-renewable
 - b. The history of the energy source
 - c. Where the energy source is found and how it is recovered
 - d. How the energy source is stored and how it is released (if applicable)
 - e. How the energy source is used today.
 - f. Advantages or disadvantages of the energy source
 - g. Economic impacts of the energy source
 - h. Environmental impacts of the energy source
 - i. Any other interesting facts about the energy source.
- 4) You may use any means (medium) you want for your 3D project EXCEPT food
 - Create a Diorama out of a shoe box **OR**
 - Construct a 3D model: use Styrofoam **OR**
 - Use foam board and build up **OR**
 - Use poster board as a tri-fold board **OR**
 - Use popsicle sticks and construct a model **OR**
 - Choose your own method to make your model
- 5) Use lots of color...make it POP!
- 6) The more creative the better...your grade will reflect the work you put into your project (If you cut and paste from the web you will receive a 0%), all work must be a summary of what you researched.
- 7) Make the project work...that will earn you extra credit

You may use the following websites to help you in your search for information:

- <http://www.encyclopedia.com/> or <http://www.britannica.com/>
- US Department of Energy <http://www.eia.doe.gov/kids/>
- <http://www.energyquest.ca.gov/>
- <http://www.eere.energy.gov/kids/>
- http://www.energystar.gov/index.cfm?c=kids.kids_index

You may do it the old fashioned way too and go to a Public Library!