Energy Technology

**Directions: for this activity you will be creating a booklet using a manila folder which will demonstrate knowledge of seven energy sources used today to power our world.**

Day 1: Watch a video on various energy sources such as wind, solar and geothermal

Day 2 - 4: Receive definitions on each of the energy sources (on iblog) which you will research more about. Next, you will use the computer to research the following information about each energy source. Write your information on a separate sheet of paper and include websites used. (This information will need to be turned in at the end of the assignment for credit)

Wind power: What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Solar power: What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Geothermal: What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Biomass: What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Nuclear power: What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Water power (hydroelectric): What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Fossil Fuels: What are the positive outcomes of using this energy source? What are the negative outcomes of using this energy source? What are the costs involved in building and using this energy source? What are the environmental concerns in using this energy source?

Day 5: Locate pictures showing each of the energy sources, you will want to draw these out on a separate piece of printer paper to be used in your energy booklet.

Day 6- 12: construction of the booklet using printer paper, charts, graphs and research information. All pictures are to be drawn, not copied. All information is to be hand written, not copied and pasted.

***This activity will be due on October 26th.***

***\*Rubric is on the back of this paper. Bring this paper with you each day.***

Energy Booklet Rubric

1. Student has written notes answering the four questions asked

for each of the seven energy sources and attached to the booklet \_\_\_\_\_ / 6 pts

1. The booklet displays seven energy sources. \_\_\_\_\_ / 3.5 pts.
2. The booklet displays care and neatness, time well spent on

details to make the booklet interesting. \_\_\_\_\_ / 3.5 pts.

1. The sections are done in this order and with the following information:
2. First section gives 4 facts on the energy source of the students choosing. \_\_\_\_\_ / 1 pt
3. Second section displays a pocket with at least five pictures hand drawn or printed

displaying examples of one energy source. \_\_\_\_\_ / 1 pt

1. Third section is a mini book where a story with pictures explains an energy source. \_\_\_\_\_ / 1 pt
2. Fourth section is a brochure with pictures which will encourage the reader to want

to use this energy source to provide power for their home. Positive outcomes work

well for this section. \_\_\_\_\_ / 1 pt

1. Fifth section involves writing an article to a local paper explaining why an energy

Source should not be used in your town. \_\_\_\_\_ / 1 pt

1. Sixth section is a diagram which compares your last two energy sources. \_\_\_\_\_ / 1 pt
2. Time spent on task. Each day the student spent time working on the task by doing research,

helping others, working on booklet, typing information, cleaning up at the end of class. \_\_\_\_\_ / 5 pts.

Total: \_\_\_\_\_ / 25 pts summative

Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_