

## Alternative Energy Solutions Project

You and one of your classmates are marketing executives and you need to develop an **ad campaign** to sell an *alternative to fossil fuels*. Research a particular alternative energy source and prepare a professional science poster to present the facts and persuasive arguments. Limit the poster to ONE poster size sheet. This project will be worth 50 points.

The topics are listed below. Only one topic may be chosen in each class. Topics will be assigned on a lottery system.

Wind Power	Hydrogen as a fuel	Hydropower
Nuclear Energy	Geothermal Power	Biodiesel
Methane (Natural Gas)	Solar Energy	Ethanol
Biomass	Liquid Coal	Algal Biofuels
Tidal Movement (Waves)	Tidal Energy (Tides)	Other (upon approval)

**Each poster** must include the following information:

- \* Complete **description** of the alternative with the source of, **use of and disposal** of the **by-products** (*good and bad*)
- \* What is the **main goal** of the alternative technology?
- \* How could it **impact the world?** (*\$ savings, Carbon Dioxide Emissions, etc.*)
- \* How could it **impact the environment?**
- \* How can it be **mass produced, delivered or used?**
- \* Are there any **political or economic barriers** to cross?
- \* What are the **advantages (3 each) and disadvantages (3 each)** of the alternative?

**Poster must have . . .**

- \* Name(s) must be written on the back of the poster
- \* Between 4-6 pictures of fair quality- make sure the source is documented
- \* Typewritten information in no less than 12 point and no more than 16 point font