

# **Physics Quarter Project**

## **3<sup>rd</sup> Quarter = Alternative Energy Presentation**

### **INTRODUCTION:**

In this activity you and your group will create a multimedia presentation on a form of alternative energy and compare it to the standard source of energy that normally provides the power we use. For instance, if you are selecting solar power, you must compare it to the burning of coal, as that is the standard source of electrical power here in Utah, and if you are doing any type of alternative fuel for an automobile, you must compare it to gasoline as that is the standard energy source for cars.

### **REQUIREMENTS FOR RESEARCH:**

- Need to use at least 3 different sources
  - Use legitimate sources... no Wikipedia or unreliable sources
- Need to explain each of the following for your type of fuel and compare to standard
  - Efficiency of the energy source
  - Economics of the energy source
  - Environmental impact of the energy source

### **REQUIREMENTS FOR ORAL PRESENTATION:**

- Must create a PowerPoint presentation for a 5-10 minute oral presentation
- Use of multiple audio and/or visual effects must be present in the presentation
- Each person in the group must present a portion of the presentation. Recommended breakdown of topics for groups would be:
  - 2 person group
    - 1<sup>st</sup> person discusses the alternative energy source for all 3 aspects
    - 2<sup>nd</sup> person discusses the standard energy source for all 3 aspects
  - 3 person group
    - 1<sup>st</sup> person discusses the efficiency of both sources
    - 2<sup>nd</sup> person discusses the economics of both sources
    - 3<sup>rd</sup> person discusses the environmental impact of both sources

The presentation must be ready to go and in fully functional by the due date. If you are going to email the presentation to the teacher, it must be emailed a period before the due date with everything needed to operate the presentation so that it can be checked and be 100% ready to go by the date of the presentations.

## **REMEMBER THAT NO PART OF QUARTER PROJECTS CAN BE TURNED IN LATE!!!**

Make sure that you and/or your group turn in the multimedia presentation before the due date!

Make sure that your entire group is there the day you present in class!