

# Energy Project

## Google Docs Presentation

### Global Issues

Your task is to create a presentation in google docs that will be shared with the class. Each group will have a different energy source to study and each group member will have their own part that they are responsible for. Each group member will be assessed on the work they do on their part and will not be penalized for poor work done by fellow group members. Your presentation should be visually attractive, demonstrate good research to back up your statements, and be presented in a logical order. I want to see pictures, graphs, statistics, or other resources to help demonstrate your energy source. The conclusion will be created by the group.

**Presentation Parts** – Each group member completes one of the parts described below:

- **Introduction/Process** – Describe the energy source. How does it work? How is created or obtained? What is some of the history behind the energy source? Is this an energy source that is growing or declining? Describe some of the interesting background information with your energy source.
- **Pros** – What are the positives for the energy source? What do advocates of your topic say? What are the positives as they pertain to the points below, such as price, efficiency, practicality, etc.?
- **Cons** - What are the negatives for the energy source? What do critics of your topic say? What are the negatives as they pertain to the points below, such as price, efficiency, practicality, etc.?
  - Below are some points that should be addressed. Included are some possible questions to be answered.
    - **Abundance** – Is there a lot of the resource? Is the energy source consistent?
    - **Price** - Is it expensive to produce? Is it cheap? How does it compare to other energy sources?
    - **Efficiency** - Is it efficient to produce? Is it efficient to transmit?
    - **Practicality** – Is it practical? Is it practical on a wide scale or in many different areas? Are there barriers to this energy source becoming commercially viable?
- **Conclusion** – As a group, write and/or create a conclusion to your presentation, summarizing your presentation and make a prediction for what is going to happen in the future with this energy source.

#### Topics

- Oil
- Natural gas
- Coal
- Solar
- Wind
- Hydroelectric
- Wave/Tidal/Ocean
- Geothermal
- Biomass
- Nuclear
- Possible alternative: Carbon sequestration and/or geoengineering

### **What Does Good Work Look Like? (Rubric)**

**4)** A thorough and detailed description of the topic with well-researched and applicable evidence. An advanced understanding of the topic is demonstrated. The presentation/conclusion is visually attractive with minimal writing errors.

**3)** A thorough and detailed description of the topic with good research used for evidence but an advanced understanding of the topic has not been demonstrated. The presentation/conclusion is visually attractive with minimal writing errors.

**2)** A basic, general description of the topic with minimal research used for evidence and a basic understanding of the topic demonstrated. The presentation/conclusion is visually attractive with minimal writing errors.

**1)** The topic is poorly described with no to little research performed and used for evidence. The presentation/conclusion is not visually attractive and has many writing errors.

## **Energy Papers**

At the conclusion of our presentations on energy, you should be well-armed with knowledge about the topic. Your task is to write a short paper (1 to 2 pages, single-spaced) in google docs that answers the following:

- What do you think should be done to meet future energy demands? Describe in detail what you think the world should do. Describe why you choose certain energy sources and the rationale for how you would employ them. Furthermore, you can describe how you're going to help bring this about (research and development, international mandates, etc.). Cite the research stated and provided in class to back up your assertions.

### **What Does Good Work Look Like? (Rubric)**

**4)** A thorough and detailed description of the topic with well-researched and applicable evidence. An advanced understanding of the topic is demonstrated. The paper is well organized with minimal writing errors.

**3)** A thorough and detailed description of the topic with good research used for evidence but an advanced understanding of the topic has not been demonstrated. The paper is well organized with minimal writing errors.

**2)** A basic, general description of the topic with minimal research used for evidence and a basic understanding of the topic demonstrated. The paper lacks proper organization and has some writing errors.

**1)** The topic is poorly described with no to little research performed and used for evidence. The paper is not well organized and has many writing errors.