ES 11 **Resource Assignment /30**

Does it matter where we get our energy from?

There are advantages and disadvantages to both renewable and non-renewable resources for energy. Your task is to explore a few of these further and determine which you think is a better solution.

What to do: With a partner, select ONE Renewable and ONE Non-renewable resource. RESEARCH your chosen resource and PRESENT to class. Your presentation will include:

1. Title page with Resources and Partners
2. Brief description of resource.
3. How resource is extracted or harnessed. (by what process or equipment)
4. Where in the world is the resource mainly extracted/harnessed.
5. Why and how the resource is used.
6. Advantages of your resource
7. Disadvantages: expense, pollution, environmental and health impacts?
8. Discuss the environmental impact and/or health impacts to workers
9. Inform your reader SPECIFIC ways an individual can conserve energy to reduce our burden.
10. Reflection: What did you learn from your research?
11. Diagrams or other visual aids for each topic.
12. Cite MINIMUM of 3 sources for each resource, 6 total minimum. (text, magazine article, online)
13. Minimum 18 slides

|  |  |
| --- | --- |
| Renewable Resources:  | Hydroelectric, Solar, Wind, Geothermal, Other  |
| Non-renewable Resources: | Coal, Oil, Natural Gas, Uranium, Other |

Rubric: How you will be marked.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 8 | 6 | 4 | 2 |
| Content | Each topic thoroughly described and discussed  | Topics discussed | Some topics discussed | Topics not well identified.  |
|  | 4 | 3 | 2 | 1 |
| Preparation  | Excellent use of library time. Presenter is well prepared |  |  |  |
|  | 8 | 6 | 4 | 2 |
| Visual Presentation | Presentation is well organized. Easily Read.Concise bullets No extraneous information.Images on each slideGraphics are easy to see and understand; Clearly support topic support.No grammar or spelling mistakes. |  |  |  |
|  | 4 | 3 | 2 | 1 |
| Oral presentation | Present spoke clearly, understood what was on the slide, Does not need to read directly from slide |  |  |  |
| Other: 6 citations, Self ReflectionEffort |  |  |  |  |

Planning Sheet – hand this in with final project Name:

|  |
| --- |
| Non-Renewable Resource: |
| Description – what is it? How is it formed? Any special conditions required for its formation?  |
| Describe how and where is this resource extracted. What type of mine? Equipment?  |
| Uses |
| Advantages |
| Disadvantages |
| What is the environmental impact? Is reclamation necessary? How is it done? |
| What did you learn from this research?  |
| Non-Renewable Resource: |
| Description – what is it? How is it formed? Any special conditions required for its formation?  |
| Describe how and where is this resource extracted. What type of mine? Equipment?  |
| Uses |
| Advantages |
| Disadvantages |
| What is the environmental impact? Is reclamation necessary? How is it done? |