Year 7 Science

Assignment: PRECIOUS RESOURCES IN AUSTRALIA

Name: ___________________________ Date due: ________________________

Background: Australia is a continent abundant in natural resources. Managing our use of these resources is very important to the future of the country. Mining, soil and water management are vital for our high standard of living and so this makes them precious resources.

In this assignment you are to research one of the topics listed below and present your information as a 3D (needs ‘pop’ out) or interactive poster

The topics are...(related to your text book)

a. Mining our Resources:
   Point 1- Include information on different mining techniques.
   Point 2- information on substances we mine.
   Point 3- Give a specific example of how a particular metal is mined and refined.
   Point 4- Include why mining is important to Australia.

b. Fossil Fuel in Australia:
   Point 1- Include information on what are fossil fuels.
   Point 2- Where are they found and used in Australia and where they can be found.
   Point 3- What impact does the burning of fossil fuels have on the environment?
   Point 4- Give a specific example of how mining companies rehabilitate the environment after mining.

c. Renewable energy in Australia:
   Point 1- Include information on what renewable energy is.
   Points 2, 3 and 4- Describe 3 different types of renewable energy used in Australia i.e. solar energy and how they are used

d. Salinity in Australia:
   Point 1- What is salinity?
   Point 2- Why is salinity a problem in Australia?
   Point 3 – Describe the problems salty soils create?
   Point 4 - How can we do to solve the salinity problem?

Be Creative - have fun and learn both how to present information in a creative and interesting way and also learn something useful.

This assignment is to be completed individually (by yourself) and is divided up into two parts.
What you will need to do:

Part 1: Research and referencing

a) Use the note taking sheets and file paper to take notes, from a variety of resources on the topic i.e. internet, books, newspapers.

b) Put these notes in subheadings (you do not need to have too many points 15 to 20).

c) Use at least three internet resources, one book and one other resource. Make up a proper reference list using at least 5 references. This is to be done on a separate page. (Your text book can be one of these).

Part 2: 3D/ Interactive Poster

Present your information in a creative way - as a 3D ‘pop out’ poster or interactive.

Include diagrams but ensure that you create them yourself (you can draw and scan or do in one of the iPad Apps). If you include pictures and photos, the reference that they come from must be added below the picture. Do not just copy from your sources of information. Put your information in your own words.

Marking Key

<table>
<thead>
<tr>
<th>Research notes</th>
<th>8-marks</th>
<th>7-4 marks</th>
<th>3-0.5 marks</th>
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<td>10 marks</td>
<td>Full detailed notes submitted with subheadings</td>
<td>Notes submitted with subheadings.</td>
<td>Brief notes submitted.</td>
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<td>Own words used.</td>
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<tr>
<th>Poster Creative Presentation</th>
<th>6 – 5 marks</th>
<th>5 -3 marks</th>
<th>2 – 1 marks</th>
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<tbody>
<tr>
<td>6 marks</td>
<td>Information presented in an interesting and attractive way)</td>
<td>Information presented in an interesting way</td>
<td>A simple poster has been submitted that includes some information</td>
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<td>Poster includes detailed information.</td>
<td>Poster includes a suitable amount of information.</td>
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<th>References</th>
<th>5 marks</th>
<th>3 marks</th>
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<td>4 marks</td>
<td>Evidence of use of five references from different sources i.e. web, book, articles. Correct referencing (follows the guidelines on Seqta)</td>
<td>Evidence of use of references – from different sources Correct referencing used (follows the guidelines on Seqta)</td>
<td>Has used some references or only web sites listed</td>
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<td>Not proper referencing.</td>
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