Task Name: Scientific Magazine Article

Subject: Geology

Domain: Science

Year Level: 8

Statement of Inquiry: Rocks have been transformed over time to provide us with evidence from the past and useful materials for the present.

Global Context: Orientation in space and time

ATL Skills Focus: Communication Skills

Due Date: TBC

Goal: To inform readers about a specific gemstone and metal used in jewellery

Role: You are a scientific writer contributing to the 'Journal of Gem and Jewellery' magazine

Audience: Magazine readers above the age of 10

Situation: The editor has asked you to write an interesting, clear, simple and informative scientific article about how a gem and metal are used in making jewellery. Include how they are mined and then processed to then be bought by the consumer. Finally discuss the implications/problems/concerns associated with this process.

Product: Write a scientific article for the 'Journal of Gem and Jewellery' following the guidelines specified by the editor.

1. Describe the piece of jewellery: what it is made from, its properties, include a photo and any relevant information.
2. Describe the type of rocks or ore from which the gem and the metal originates.
3. Include a map of where the gem and metal are found.
4. Prepare a flow chart (hand drawn/digital) of the process from extraction to the finished piece of either the gemstone OR the metal (maximum of 8 boxes - avoid adding too much writing).
5. Comment about the implications of mining the gem OR the metal in terms of ONE of the following issues: Social, Environmental OR Cultural.

example:
- SOCIAL issue: e.g. South African diamond miners are paid very low wages;
- ENVIRONMENTAL issue: e.g.mining in a protected area such as Kakadu NP;
- CULTURAL issue: e.g.mining in a culturally sensitive Indigenous area.

6. Try and justify WHY your gemstone and metal is used in jewellery. Try and link their FORM to their FUNCTION eg diamonds are very expensive because they are the hardest mineral on our planet. Example: Gold is very popular for jewellery because it is malleable and ductile.

7. Include a list of references (bibliography) at the conclusion of the article. Use MyBib.com (Harvard style)
8. Journal articles must be submitted to the editor using the Word template called 'Write a Journal' (Maximum length 3 pages plus bibliography)
9. All images, diagrams, photos must be correctly labelled and attributed to a photographer/illustrator or a website.
10. A LibGuide called Cool Jewels is available to assist you with your research.

**Academic Honesty**

Students are reminded that all work submitted must be their own and each use of the words, work or ideas of another person, whether written, oral or visual, (hard copy and/or electronic materials) must be acknowledged in the body of their work and the bibliography.

**Please refer to the Rubric for this assessment task for information regarding assessment criteria and task specific clarification.**