

Unit 5: Planet Earth *End of Unit Project*

You must choose **1** of these projects and complete it Alone, or with a Partner

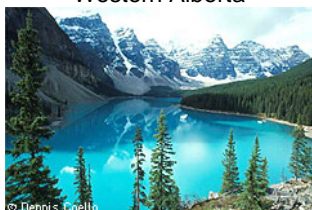
Description of Project Goals

1. To design a scale model museum display showing **Glacial and Landscape Features** evident in Western Alberta
2. To create and perform a song and dance about the **Rock Cycle**.
3. To create a **Promotional Video Commercial** that presents the **Safest Place To Live** on the Earth.

Background:

The Early West (Alone, or w/partner)

To design a scale model museum display demonstrating **Glacial and Landscape Features** evident in Western Alberta



Rock Cycle Song and Dance (Alone, or w/partner)

The purpose of this project is to creatively reinforce the concept – how rock is formed and changed in a constant cycle.

Rock Cycle - Rocks and Minerals

http://www.windows.ucar.edu/tour/link=/earth/geology/rocks_intro.html

http://www.classzone.com/books/earth_science/terc/content/investigations/es0602/es0602page02.cfm

Safest Place to Live (Alone, or w/partner)

Where on the Earth is it safe to live? Close to an Earthquake fault, near a Volcano, on an island, on a large landmass, or maybe on the water?



This document
<http://edquest.ca/pdf/75projegvolc.pdf>
should help get you started

<http://www.statcan.ca/english/kits/alberta/alb8.htm>

<http://encyclopedia.laborlawtalk.com/Alberta>

Specifications:

The Early West

Design and build:

... a display model showing the **Glacial Landforms and Geographical Features** of Western Alberta

Model Materials: The choice of materials is up to you.

Size Restrictions: Model base should be no larger than 50cm X 100cm. Height should not exceed 20cm. (**Note** – these are **maximum** size restrictions, not minimum)

Components:

- Design Blueprint
- Scientific Principles which helped in the design phase
- *Construction Details*
- Troubleshooting

Rock Cycle Song and Dance

Create and Perform:

... a **song and dance** reinforcing the science concepts involved in the **Rock Cycle**

Format: Your choice of genre – Rap, Pop, Country, Soul, Hip-Hop.

Bonus – if you have suitable music to accompany your performance.

Components:

- Lyrics – with explanation of how the lyrics are intended to help remember the details of the Rock Cycle
- Dance images – to explain the processes involved in the Rock Cycle

Safest Place to Live

Create and Present:

... a **promotional video** (as a travel agency would) to identify and outline why the place you have chosen is the **Safest Place on Earth**.

Materials: Digital or video taped

Length: Your presentation is limited to 2 minutes.

Components:

- Information should reflect an understanding of the science principles covered in this unit .
- Script – with science principles covered (highlighted in brackets).
- Success will be measured by the degree to which the marshmallow is cooked.

Evaluation:

Model / Presentation 30%

(Presenting your work)

Report: 30%

(What you appear to know about what you have presented)

Self-Evaluation

10%

Peer Evaluation

10%

Teacher Analysis

20%