

## You Be The Teacher

**You have been interviewed for a Middle School Science teaching position. In order to secure the job, you have been asked to provide a sample lesson of ONE of the main concepts in the Planet Earth Unit. You are given a choice between the following:**

- **Earthquakes and Volcanoes**
- **Weathering, Erosion and Deposition**
- **Plate Tectonics and Pangaea**
- **Fossils and Eras**

**Choose one of the concepts and come up with a lesson plan that you would use to teach it to a group of middle school kids. Your lesson must include:**

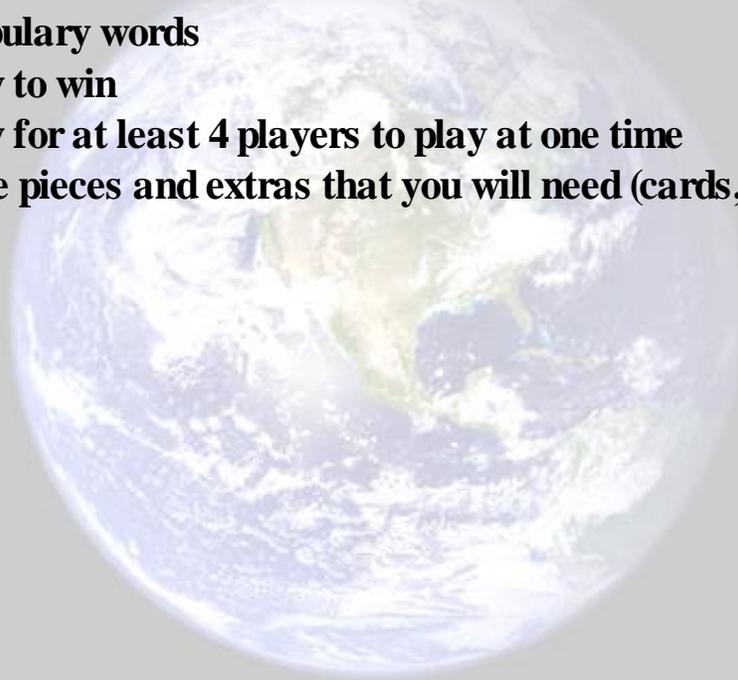
- 1. An introduction to your concept (remember, this is where you try and make kids interested in what they are going to learn)**
- 2. The main part (this is where the most content is covered and should be a combination of ideas and is the longest part of your lesson..eg: some reading, some writing, some hands-on activity)**
- 3. A closure (here's where you sum up what you've taught)**
- 4. Assessment (this is a way for you to find out whether your students learned what they were supposed to)**

## Earth Games

**You have been hired by an educational toy company to create a game that could be used in Middle School classrooms during the Planet Earth unit. Your game will have to be high in interest as well as accuracy if it's going to be the one chosen!**

**Your game must include the following:**

- 1. A detailed instruction manual**
- 2. Use of at least 10 vocabulary words (bold words) from this unit**
- 3. A way for students to use the definitions of those 10 vocabulary words**
- 4. A way to win**
- 5. A way for at least 4 players to play at one time**
- 6. All the pieces and extras that you will need (cards, dice, etc.)**



## My Planet Earth

**Boom! You have no idea how it happened, but you awaken..it is 2057..you can't find anyone else from your lab..and there is a note from your boss telling us that world renowned scientist Dr. Futuronista has been killed and it's up to you to preserve human history forever! You realize the only things you can rely on are your memory and the materials left in your lab.**

**The note from Dr. Futuronista tells you that you need to show the following:**

- 1) What the Earth looked like outside and inside (use models: clay, diorama, drawings, diagrams or other models of your choice). Please check with your teacher first. You will need to provide your own materials for this project.**
- 2) In writing explain the common landforms found in your area of Southern Alberta (mountains, coulees, etc.) and how you believed they were formed (specific weathering, erosion and deposition; rockslides; glaciers; etc.)**
- 3) Explain fossil record identification (what was here and how future scientists will identify fossils that they find)**