Google Earth Geology Jeopardy Activity

Objectives:

The main objective for this lesson/activity is to see if the students can make a connection from the geologic formations they see in a text book to real world formations seen on Google Earth. The students will be able to identify formations that deal with Mountains, Rivers, Oceans and Glaciers.

Standards:

3.5.4. A. Know basic landforms and earth history.

3.5.12. A. Analyze and evaluate earth features and processes that change the earth.

Methods:

1. In order to complete this activity the teacher must cover all of the geologic formations in the activity. This must be done in order for the students to know what they are looking at.
2. The teacher should be familiar with Google Earth. i.e. flying to longitudes and latitudes, and know how to tilt the landscape so some of the geologic features are better seen.
3. The activity can be played as a game or a review. The students will pick a category and a number. They are not labeled but they go from 10-50 points.
4. Once the student has picked the category and value they will then “Fly to” the long and lat that is in the box that they have selected. They will then go to that location on Google Earth.
5. Once the students are at the location that they have picked they then will need to identify what geologic formation they have flown to.
6. Once they have identified the geologic feature they can click on the box with the long and lat and see if they were correct.

\*Please note some of the longitudes and latitudes are a rough area. You may need to scroll around to find the location that is being looked at.

Materials:

 Computers

 Smart board or projector screen

 Power point

 Google Earth

 Projector

Assessment:

 The assessment for this activity is not formal rather it is a check for understanding. When doing this activity you will be sure to see if the students will know their geologic features. If the teacher would like they can award points to the winning team but that is not required.