

## 2<sup>nd</sup> Grade Science, Unit 3: “Earth’s Surface Features”

### GLCEs:

**E.SE.E.2 Surface Changes** –The surface of Earth changes. Some changes are due to slow processes, such as erosion and weathering, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes.

**E.SE.02.21** Describe the major landforms of the surface of the Earth (mountains, plains, plateaus, valleys, hills).

### Vocabulary:

Mountains

Plains

Plateaus

Valleys

Hills

Ocean

Volcano

Island

River

Peninsula

Lake

Valley

Canyon

Waterfall

Mountain

Cave

Plains

Delta

Hill

Continent

**Game One:** Matching Game copied on cardstock and laminated

1. Introduce landforms through posters or individual pictures with the definitions on the back and a topographic map.
2. The students will watch an introduction on landforms through
3. the projector screen found on the following website:  
[geography.pppst.com/landforms.html](http://geography.pppst.com/landforms.html)
4. In small groups the children will play a matching game with the following master.
5. The teacher will review and question students at the end of
6. the project to check for understanding.

**2. Game Two: Landforms Bingo**

<b>Valley</b>	<b>Canyon</b>	<b>Waterfall</b>	<b>Mountain</b>
<b>Free</b>	<b>Cave</b>	<b>Plains</b>	<b>Ocean</b>
<b>Volcano</b>	<b>Island</b>	<b>Free</b>	<b>Peninsula</b>
<b>Lake</b>	<b>Delta</b>	<b>Hill</b>	<b>Continent</b>

<b>River Mouth</b>	<b>Coast</b>	<b>Landform</b>	<b>Free</b>
<b>Free</b>	<b>Wetlands</b>	<b>Lake</b>	<b>Creek Stream</b>
<b>Hill</b>	<b>Continent</b>	<b>Bay</b>	<b>Mountain</b>
<b>River</b>	<b>Dune</b>	<b>Island</b>	<b>Forest Woodlands</b>

<b>Ocean</b>	<b>Volcano</b>	<b>Island</b>	<b>Free</b>
<b>Peninsula</b>	<b>Lake</b>	<b>Forest Woodland</b>	<b>River</b>
<b>Stream Creek</b>	<b>Free</b>	<b>Continent</b>	<b>Delta</b>
<b>Bay</b>	<b>Landforms</b>	<b>Wetlands</b>	<b>Dunes</b>

<b>Continent</b>	<b>Free</b>	<b>Hill</b>	<b>Delta</b>
<b>Valley</b>	<b>Waterfall</b>	<b>Canyon</b>	<b>Mountain</b>
<b>Cave</b>	<b>Plains</b>	<b>Free</b>	<b>Plains</b>
<b>Bay</b>	<b>Island</b>	<b>River</b>	<b>Forest Woodland</b>

<b>River Mouth</b>	<b>Island</b>	<b>Free</b>	<b>Creek Stream</b>
<b>Dunes</b>	<b>Mountain</b>	<b>Bay</b>	<b>Forest Woodland</b>
<b>Valley</b>	<b>Cave</b>	<b>Waterfall</b>	<b>Canyon</b>
<b>Plains</b>	<b>Ocean</b>	<b>Lake</b>	<b>Peninsula</b>

### **Game Three: Landforms Riddle**

See if you can figure out these landform riddles:

What kind of landform has a vent at the top, spews lava and seam and pieces of rock?

**VOLCANO**

What kind of landform has very steep sides that were cut by a river's erosion and time?

**CANYON**

Going over this landform will make you shiver. It occurs when there's a sharp drop off in a river.

**WATERFALL**

You get to this landform when oceans run dry. They're broad, flat spaces under the sky.

**PLAINS**

What kind of landform is tallest of all with a spiky top where snow may fall?

**MOUNTAIN**

What kind of landform always runs downhill and can be used to turn turbines that power a mill?

**RIVER**

Landforms like this are often times found in the side of a mountain or as a hole in the ground.

**CAVE**

What kind of landform is a huge chunk of water that takes up three-fourths of the Earth and is salty?

**OCEAN**



This landform is found at the bottom of mountains and very tall hills.  
It is the low land between them?

**VALLEY**

What is an area of land that is covered with many trees and brush?

**FOREST/WOODLANDS**

What is the place where the river empties into a lake or ocean?

**RIVERMOUTH**

This landform is a small moving body of water that flows into a river?

**CREEK/STREAM**

What is a hill made of sand?

**DUNE**

What is the landform that is a large body of water partly surrounded  
by land?

**BAY**

This landform is a piece of land completely surrounded by water.

**ISLAND**

What is the landform that is a large body of water surrounded by  
land on all sides?

**LAKE**

What is a piece of land that is very wet or has water in it?

**WETLAND**

This landform is the land along a big lake or ocean.

**COAST**

What is the term for the way the land is shaped on the Earth?

**LANDFORMS**

## **Activity Four: Landforms Made of Clay**

1. The teacher will introduce the landform lesson by showing several pictures of landforms from pictures/posters or a topographic map.
2. The teacher will demonstrate Landforms using the projector and screen on the following website:  
[geography.pppst.com/landforms.html](http://geography.pppst.com/landforms.html)
3. The teacher will model how to make the various landforms and how to put them on a board to mount them.
4. The teacher will ask for understanding from the students.
5. The teacher will ask where landforms are found.
6. Students will begin working on the project while the teacher monitors their progress and makes corrections and praises.
7. The clay will be allowed to dry. Then the students will paint their landforms and label them using toothpicks and computer generated landform terms.

## **Project Procedures:**

1. Students will start with a piece of 12" by 18" cardboard to
2. mount their projects on.
3. Students will each begin with a 4" ball of modeling clay in
4. which to construct their various landforms.
5. Students will transform this modeling clay into as many
6. landforms as possible while making good use of space on the cardboard.
7. The landforms will be allowed to dry for several days.
8. Once the landforms have dried the students will use tempera
9. paints to paint them.
10. Next, the students will label their landforms with toothpicks
11. and teacher generated landform terms on paper.



Copied from website: [www.maddie-alicia-clay-maps.JPG](http://www.maddie-alicia-clay-maps.JPG)