

LCM Informal Loop

LCM Lesson Plan: Landforms

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Grade level 3

Unifying Concept: Systems, Order, and Organization

Standards:

Science Standard:

The student demonstrates an understanding of the forces that shape the earth by:

SD2.1 identifying and comparing a variety of Earth's land features (i.e., rivers, deltas, lakes, glaciers, mountains, valleys, and islands).

A.1. Develop an understanding of the processes of science used to investigate problems

Writing Standard:

W1.1,2,3,4 Write and illustrates a descriptive non-fiction composition independently

Cultural Standard:

E.2. understand the ecology and geography of the bioregion they inhabit

Science concept:

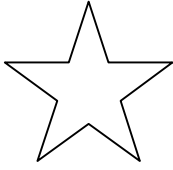



The surface of the earth is made up of landforms that are identified by their characteristics.

Learning Objective:

The student will be able to identify and create a variety of landforms.

Process Skills	Materials
Observing Hypothesizing Interpreting Communicating	Pictures of landforms Salt Clay Cardboard box pieces

<p>Gear- Up Play a game of “Touch the Landform” Have class divided into two teams/lines. Put pictures of different landforms on the board then name one. Each line leader has to try to touch the landform first. Whoever does, gets the point for their team. You can also do this with cards. Number the landforms on the board, name the landform, and then have the students hold up the number of the landform.</p>		
<p>Explore Before this activity, students will have written one paragraph about the landform they are creating. Have students divided up into groups of 2-3. Each group will work on making a landform out of salt clay – this can be prepared before, or with the students. It is easier if it is done before. (2 c. flour, 1 c. salt, 1 c. water) Once the landforms have dried, students will paint them – this takes 2-3 days for air drying, or bake in a 300 degree oven for about an hour.</p>		
<p>Generalize: What are the differences between a plateau, hill, mountain, and a volcano? What are the similarities between them? What is the difference between a cliff and a canyon? How are they similar? What is an archipelago made of? Where is a cave located? Describe a peninsula. Why are they called landforms?</p>		<p>Vocabulary Archipelago Canyon Cave Cliff Hill Island</p>
<p>Apply/Assess - Informal observation of how the groups are working, and whether they are following directions to complete landform - Formal assessment will be done once the project is completed using the rubric below. The assessment will be of the landform, and written description of the landform.</p>		<p>Mountain Peninsula Plateau Volcano</p>
<p>Extensions: - Once the group work is done, students can use salt clay to make a landform of their choice, and do a presentation on it. - Do attached landform/body of water scavenger hunt and quiz using the little explorers picture dictionary at: http://members.enchantedlearning.com/geography/landforms/glossary.shtml *This could also be used as an assessment if you are using more vocabulary words. - Another follow up would be to use simple topographic maps from your area, or other areas to explore landforms</p>		

				
Landform	<ul style="list-style-type: none"> *Picture or drawing of landform is attached to cardboard *Landform looks similar to picture *Other details added around landform *Landform and surroundings are painted 	<ul style="list-style-type: none"> *Picture or drawing of landform is attached to cardboard *Landform looks similar to picture *Landform is painted 	<ul style="list-style-type: none"> *Picture or drawing of landform is attached to cardboard *Landform looks similar to picture 	<ul style="list-style-type: none"> *No picture or drawing of landform is attached to cardboard *There is no landform, just clay
Paragraph	<ul style="list-style-type: none"> *Names are on the paper *Paragraph has a topic sentence, details, and closing *Paragraph tells what the landform is, where it is located, how it is formed, why or why not people would live near it, and why it is an interesting landform. 	<ul style="list-style-type: none"> *Names are on the paper *Paragraph has a topic sentence, and details *Paragraph tells what the landform is, where it is located, and how it is formed. 	<ul style="list-style-type: none"> *Names are on the paper *Details are listed *Paragraph tells what the landform is and where it is located 	<ul style="list-style-type: none"> *No paragraph
Presentation	<ul style="list-style-type: none"> *Everyone says at least 1 thing *Tell about real landform without reading from paragraph *Talk about the landform you created 	<ul style="list-style-type: none"> *Everyone says at least 1 thing *Tell about real landform by reading paragraph *Talk about the landform you created 	<ul style="list-style-type: none"> *Not everyone gets to talk, or we can't hear you *One person reads paragraph *Don't talk about landform you created 	<ul style="list-style-type: none"> *We can't hear you *Tell about the landform you created

1. This word starts with a "C." It is the name of the land masses that the Earth is divided into. What are these land masses called? _____
2. This word starts with a "C." It is a large hole in the side of a hill or mountain or in the ground. What is it called? _____
3. This word starts with a "C." It is a deep valley with very steep sides - often carved from the Earth by a river. What is it called? _____
4. This word starts with an "O." It is one of the huge bodies of salt water that make up about two thirds of the surface of the Earth. What is this word? _____
5. This word starts with an "S." It is a large body of salt water that is often connected to a larger body of water. What is this word? _____
6. This word starts with an "R." It is a body of water that flows downhill, usually emptying into a larger body of water. What is it called? _____
7. This word starts with an "M." It is a very tall, raised area on earth, sometimes with a spiky top. What is it called? _____
8. This word starts with an "I." It is a piece of land that is surrounded by water on all sides. What is it called? _____
9. This word starts with an "H." It is a large mound or raised area of earth. What is it called?

10. This word starts with a "W." It occurs when a river falls off steeply. What is it called?

11. This word starts with a "V." It is a low place between mountains. What is it called?

12. This word starts with a "V." It is a mountainous vent in the Earth's crust that can spew out lava. What is it called? _____
13. This word starts with an "L." It is medium-sized body of water surrounded by land. What is it called? _____
14. This word starts with a "P." It is a small body of water surrounded by land. What is it called?

15. This word starts with a "P." It is a piece of land that is surrounded by water on three sides. What is it called? _____