

Landforms

Landform Building, Narrative Writing, Map Making Project

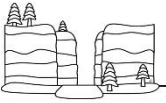


UNIT INCLUDES:

15 ENGAGING ACTIVITIES FOR STUDENTS TO:

- Identify landforms
- Practice map skills
- Work with cardinal directions
- Build salt dough landform islands
- Write creative narratives
- Use science content to practice literacy skills





Salt Dough Recipe

Each recipe makes enough for 3-4 students



Ingredients
2 cups of
1 cup salt
1 cup col

Directions
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3. Form
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Have students divide their clay in half. Instruct them to use half for the island "base" and the rest for making landforms.



Push the edges of the clay inward to form the shape of the coastline. Add landforms and press into the "base". Allow to dry for 2-3 days before painting.



Students draw and label a map of their island.



Inside, students glued their map on top and the

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THE ISLAND PROJECT



Planning the Project: I start by asking volunteers to make salt dough or purchase Crayola Air Dry Clay (see pg.43 for the recipe I use as well as amounts). We make our islands first (see pg.42 for directions). Students use their vocabulary booklets or the landforms charts as a reference when adding their landforms. I always plan island making for a Friday so



making the LANDFORM ISLANDS

Before starting the project:

Ask 3 or 4 parent volunteers to make salt dough with the following recipe. Each batch will make enough for 3-4 students. I have also used Crayola Air Dry Clay available at Walmart and most craft stores. Each tub has enough clay for 7 or 8 students.

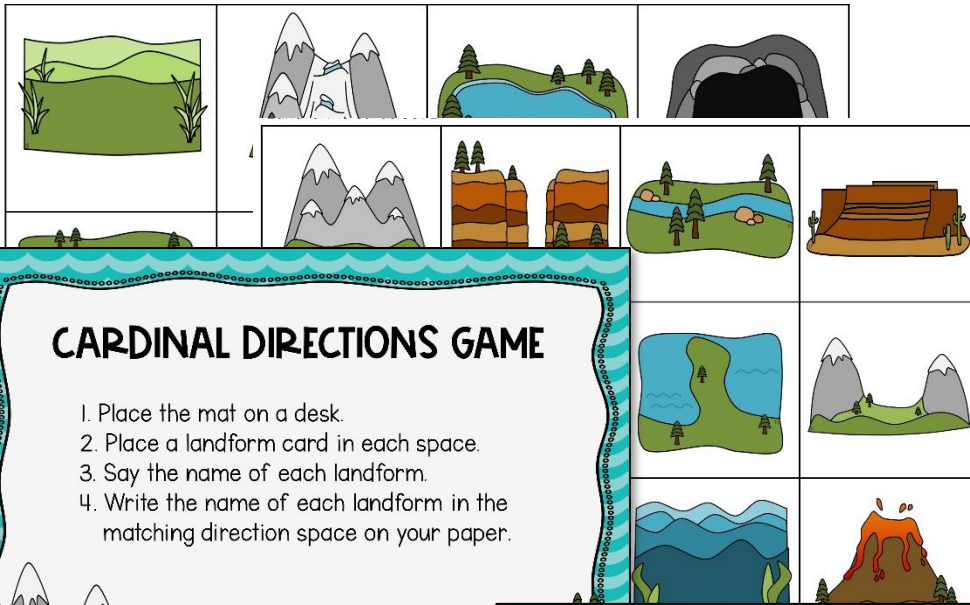
Materials:

- Sturdy and thick Chinet paper plates (Paper plates work better than foam plates)
- A ball of salt dough or Crayola Air Dry Clay (about the size of an orange) per student
- Blue, brown, and green Tempera paint & brushes
- Optional toothpicks, plastic forks or paperclips to add texture to landforms.



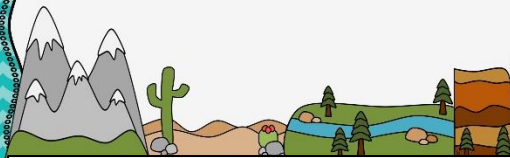
MAP SKILL Activities

Partner games
to practice cardinal
directions in two levels



CARDINAL DIRECTIONS GAME

1. Place the mat on a desk.
2. Place a landform card in each space.
3. Say the name of each landform.
4. Write the name of each landform in the matching direction space on your paper.



1

North _____

South _____

East _____

West _____

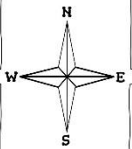
1

North _____

South _____

East _____

West _____



1

North _____

South _____

East _____

West _____

1

North _____

South _____

East _____

West _____



1

North _____

South _____

East _____

West _____

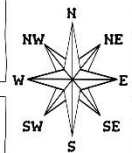
2

North _____

South _____

East _____

West _____



3

North _____

South _____

East _____

West _____

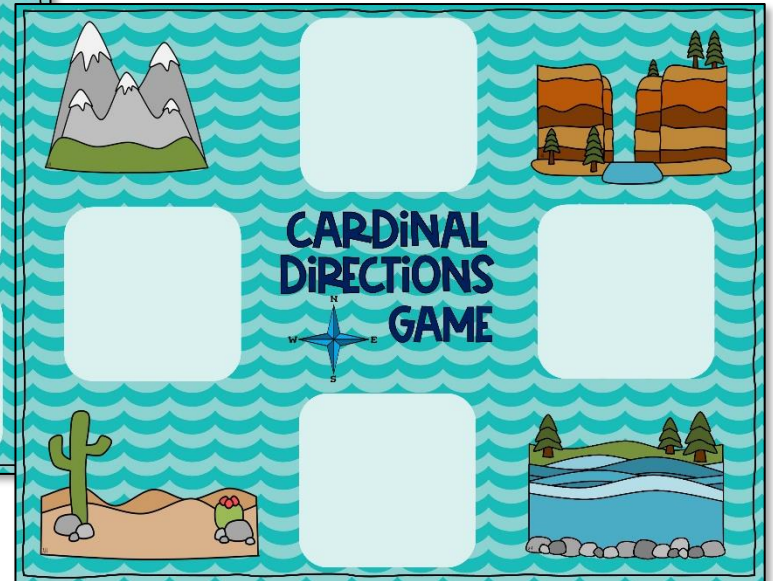
4

North _____

South _____

East _____

West _____



Landforms LESSON PLAN

Teaching Points/Class Discussion	Activities	Materials
Assessment	•See Additional and Cross-curricular Literacy Center	
Building the Islands See directions on pgs. 61-63.	•Students use build an island features	
Islands Narrative Writing I use my writing block for this part of the project. See Teacher's Notes on p. 65 and how to pace the project and writing beginning on p. 61.	•Students write personal narrative describing their island on their island	Related books: <i>Explore Earth's Five Oceans (Explore the Continents)</i> by Bobbie Kalman <i>The Seven Continents (Geography)</i>
Map Making See directions on p. 61.	•Students draw their island features, a rose, and map	
Postcard Writing Discuss the purpose of a postcard. Explain to students they are writing to parents.	•Students write from their island	

Landforms LESSON PLAN

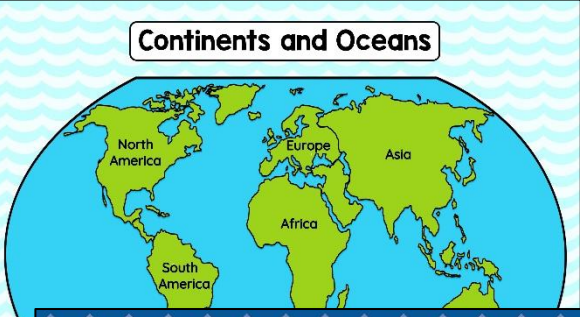
Teaching Points/Class Discussion	Activities	Materials
Identifying continents and oceans Project or display the Continents and Oceans map. Instruct students that at one time the Earth was one large land mass. It is now made up of 7 land masses called continents and has 5 main oceans.	•Read Aloud •Students label the continents and oceans	•Label the Continents and Oceans practice or assessment •Continents and Oceans Map •Continents and Oceans spelling reference chart **Note: In the spring of 2000 the International Hydrographic Organization established the Southern Ocean to include all water

Landforms LESSON PLAN

Teaching Points/Class Discussion	Activities	Materials
Defining a Landform (continued) We define a landform whole group. Project or recreate on chart paper the What is a Landform? organizer.	•Students define a landform using a graphic organizer	•What is a landform? lesson visual •What is a landform? circle map
Discuss the definitions of a landform and brainstorm synonyms. Students complete	•Create a class anchor chart of landforms found in your area. Add to the chart as you introduce new landforms. •Students create a vocabulary booklet defining and illustrating the landforms.	•Landforms Vocabulary Booklet
Students use a graphic organizer to categorize landforms by land or water feature	•Students use a graphic organizer to compare landforms	•I Can Compare Landforms double bubble map •I Can Categorize Landforms organizer

10-DAY READY TO USE LESSON PLAN

with mini lessons & graphic organizers in color and blackline



What is a landform?

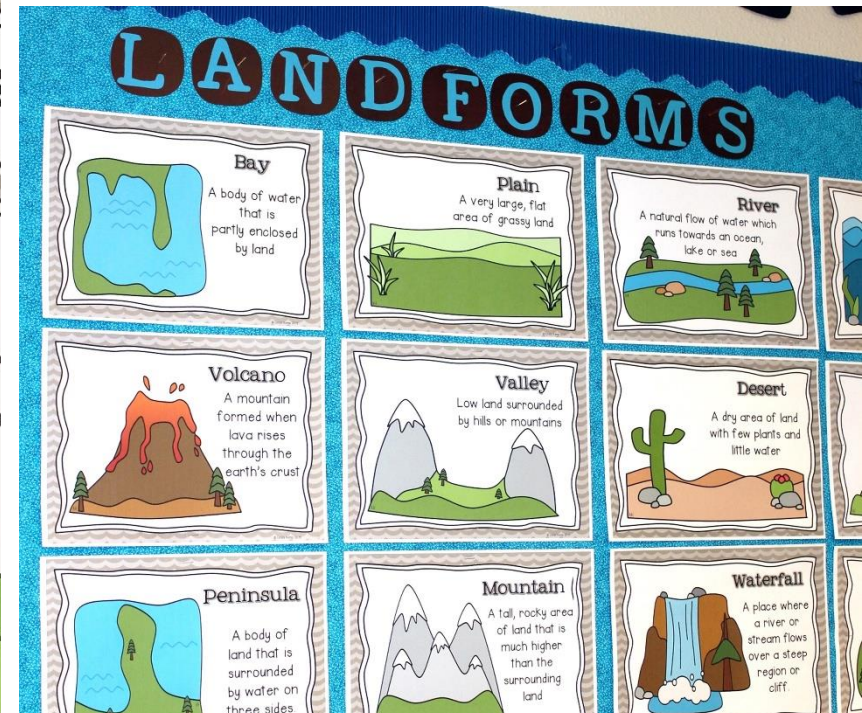
Landforms are natural formations of rock and dirt found on the earth's surface. Depending on the type of landform, they are caused by earthquakes, weathering, erosion, and deposits. All landforms are constantly being changed by the forces of weather, pressure, water and wind. Geologists study landforms and how they are created.

I can compare landforms

I can categorize landforms




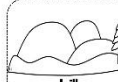

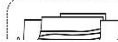
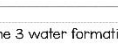



What is a landform?

20 FULL-PAGE LANDFORM POSTERS



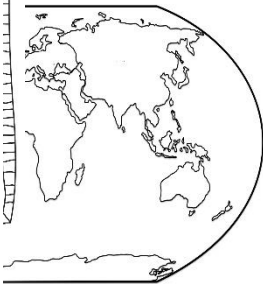
ASSESSMENTS

Draw lines to match the landform to its definition.

 island	An area of land surrounded on all sides by water.	 valley
 canyon	A raised mound of land that is smaller than a mountain.	 hill
 peninsula	Low land surrounded by hills or mountains.	 plateau
 river	A natural flow of water which runs towards an ocean, lake or sea.	 mountain
 ocean	A large body of water surrounded by land.	 continent

Continents and Oceans

Label the continents and oceans on a red line where the equator should be.



Word Bank

Landforms Unit Assessment

Name _____

Name 3 water formations:

What is a landform?

Name 3 land formations:

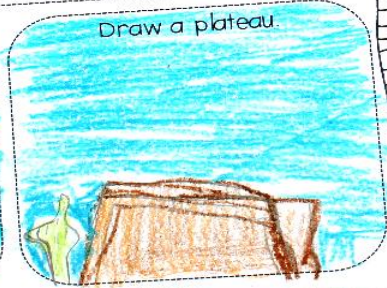
Landforms are caused by what forces?


Draw a peninsula.

Draw a plateau.

Draw a peninsula.

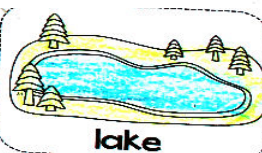
Draw a plateau.



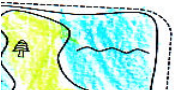
 isthmus: ... steep sides, that is higher than the surrounding land.

isthmus

A narrow strip of land with water on both sides that connects two larger areas.

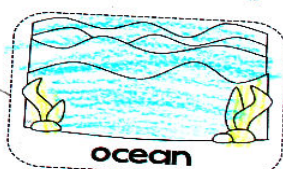


lake

 peninsula: A large body of salt water that surrounds a continent.

peninsula

A body of land that is surrounded by water on three sides.



ocean



LITERACY CENTERS



BULLETIN BOARD DISPLAY

with
title lettering
& landform
elements