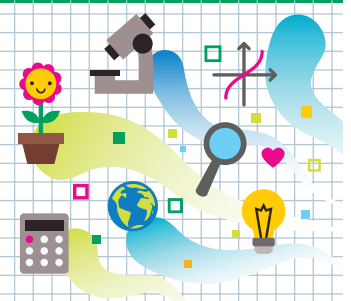




HEADS IN, HEARTS IN

Creating Landforms

Instructions for Set-Up



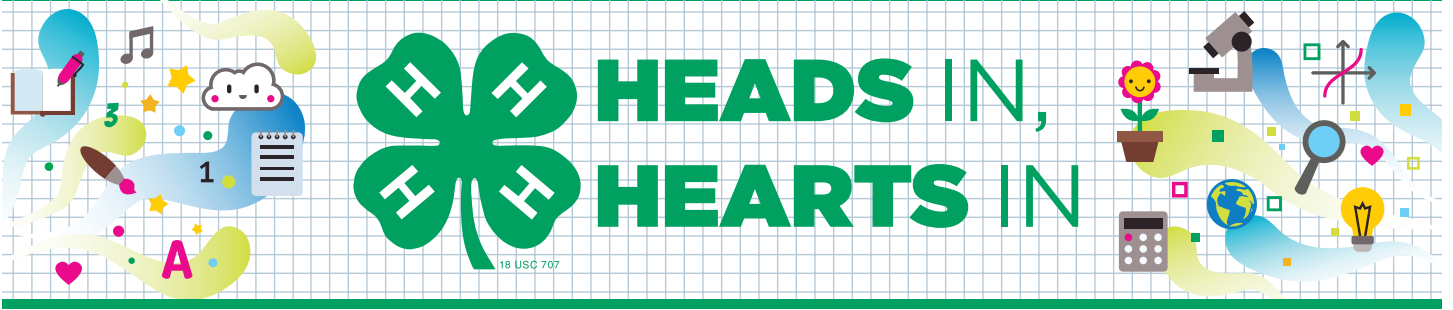
Supplies

- ❑ “Guide for Families” handout
- ❑ 15 clear plastic standup displays (optional)
- ❑ “Landforms” handouts
- ❑ 13 disposable cookie sheets, 9-inch by 13-inch or larger
- ❑ 10-pound bag of sand
- ❑ Water to moisten sand
- ❑ Pieces of craft foam cut into various lengths, colors and sizes
- ❑ Display table

Activity Preparation

- Purchase or locate items on supply list.
- Print one copy of the “Guide for Families” handout. Laminate or place in a clear plastic standup display to allow participants to see it more readily.
- Print one copy of each “Landforms” handout. Laminate or place each in a clear plastic standup tray.
- Cut pieces of craft foam to assist learners in creating their landforms.
- Set all materials on the table for easy access by participants.





Creating Landforms

Guide for Families

Learning Objectives

What you need to know:

A landform is a feature of the earth's surface. Landforms include hills, lakes, mountains, oceans, plains, plateaus, ponds, rivers, streams, valleys, islands, canyons and volcanos.

What you will do and learn:

You will recognize and name various landforms and correctly identify characteristics of landforms. You will recreate landforms using the materials given.

Instructions

1. Explore each landform by looking at the photograph and reading the description.
2. Identify what characteristics each landform has.
3. Using the sand and craft foam, create your own version of the landform.

Creating Landforms

Landforms Handout

What is a landform?

A landform is a feature of the earth's surface.



Photograph © iStock.com/Harvepino

Creating Landforms

Landforms Handout

Hill

A hill is an area of high ground lower than a mountain.



Photograph © iStock.com/lakovKalinin

Creating Landforms

Landforms Handout

Lake

A lake is a body of water surrounded by land.

Michigan has five large lakes called the Great Lakes: Lake Huron, Lake Ontario, Lake Michigan, Lake Erie and Lake Superior.



Photograph © iStock.com/alexmak72427

Creating Landforms

Landforms Handout

Mountain

A mountain is a high, steep surface feature of the earth that rises above the land around it. A mountain stands by itself or is a part of a group of mountains.



Photograph © iStock.com/DanielPrudek

Creating Landforms

Landforms Handout

Ocean

An ocean is a large body of salt water. Oceans cover most of the earth.



Photograph © iStock.com/lakovKalinin

Creating Landforms

Landforms Handout

Plain

**A plain is a large, mostly flat land.
Many different types of grasses grow there with few trees.**



Photograph © iStock.com/GeorgeBurba

Creating Landforms

Landforms Handout

Plateau

A plateau is a rise or hill with steep sides and a flat top.



Photograph © iStock.com/mcdustelroy

Creating Landforms

Landforms Handout

Pond

A pond is a small, shallow body of water surrounded on all sides by land. A pond is smaller and more shallow than a lake and usually has a lot of plants growing in it and around it.



Photograph © iStock.com/Givaga

Creating Landforms

Landforms Handout

River

A river is a large stream of water that flows downhill. It causes slow changes in the earth's surface by moving earth materials and forming valleys.

A river is a surface feature.



Photograph © iStock.com/possum1961

Creating Landforms

Landforms Handout

Stream

**A stream is a small body of flowing water.
After a rain, a stream of water may flow down a street into a drain.**



Photograph © iStock.com/Catalina-Gabriela Molnar

Creating Landforms

Landforms Handout

Valley

A valley is a low landform found between hills and mountains.



Photograph © iStock.com/matthewleesdixon

Creating Landforms

Landforms Handout

Island

An island is a piece of land surrounded by water on all sides.



Photograph © iStock.com/yykkaa

Creating Landforms

Landforms Handout

Canyon

A canyon is a narrow valley with very steep sides created from erosion over time.



Photograph © iStock.com/SumikoPhoto

Creating Landforms

Landforms Handout

Volcano

A volcano is a cone-shaped mountain with magma chambers, pipes and vents that release magma gases and steam from deep in the earth's surface.



Photograph © iStock.com/solareseven