

Mapping Earth's Features

Standard: 2-ESS2-2 Make a map that shows where land and water are found

A map shows a place from above, like a bird looking down. A key tells what each color and symbol means.

Part A: Make a map key

Look at the real map you used this week. Fill in the color and draw a symbol for each feature.

Feature	Color on the map	Symbol I would draw
1. river		
2. lake		
3. mountain		
4. ocean		
5. tree		

Part B: Draw a map from above

6. My map of: _____

Draw your pan, yard, or block from above. Show land and water. Put a small key box in one corner. Draw arrows to show which way rain would flow.

7. A map shows the shapes of land and water from _____.

8. I think blue on a map means _____ because _____.

Water on Earth

Standard: 2-ESS2-3 Water on Earth can be a liquid or a frozen solid

Part A: The Ice Race

Three ice cubes sat in three places. Write your prediction (1st, 2nd, or 3rd to melt). Then write what really happened.

Where the ice cube was	My prediction	Time it took to melt	Real order
1. on the counter			
2. in the sun or under a lamp			
3. wrapped in a washcloth			

4. What made the ice melt fastest?

Part B: Liquid or solid?

Read each word. Write it in the right column.

ocean glacier rain snow river ice cap lake hail pond frost
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5. Liquid water (it flows)	6. Solid water (it is frozen)

7. Water is a solid when it is _____ and a liquid when it is _____.

8. How could you turn liquid water back into ice?

9. Our gravel glacier left scratches in the sand. How can ice change the land?

Weather Patterns

Standard: 2-ESS1-1, 2-ESS2-1 Observe weather and see how wind can change the land fast or slow

Part A: My Weather Log

Go outside each day. Write or draw what you see. Use your wind sock to check the wind.

Day	Sky: sunny, partly cloudy, or cloudy	Temperature: warm, cool, or cold	Wind: none, light, or strong	Rain or snow?
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				

Part B: Pinwheel Wind Meter

Predict the windiest spot. Then count how many times your pinwheel spins in 10 seconds.

Spot	My prediction: windy or not windy?	Spins in 10 seconds
open place		
beside a wall		
behind a bush		

1. Which spot was the windiest? Why do walls and bushes block wind?

2. One pattern I noticed in my weather log is _____.

3. Name one FAST change and one SLOW change wind can make to the land.

Earth's Systems Review

Standard: 2-ESS1-1, 2-ESS2-1, 2-ESS2-2, 2-ESS2-3 Land, water, ice, and wind shape Earth, some fast and some slow

Part A: Fast or slow?

Put a check in the right box for each change.

Change to the land	Fast (hours or days)	Slow (many years)
1. a volcano erupts		
2. a canyon forms		
3. a flood washes away a road		
4. a glacier moves down a valley		
5. a windstorm knocks down trees		
6. a pebble in a river gets smooth		

Part B: The Whole Earth Pan

Think about the last pan test. Tell what each force did to the land.

Force	What moved?	Fast or slow?
7. liquid water (a cup poured down the mountain)		
8. ice (the gravel ice cube)		
9. wind (blowing through a straw)		

Part C: What I know

10. Water is found on Earth as a _____ and as a _____.

11. A map shows _____ and uses a key to explain _____.

12. I think Earth's surface is always changing because _____.

Weeks 21–24: Vocabulary and Big Ideas

Standard: 2-ESS1-1, 2-ESS2-1, 2-ESS2-2, 2-ESS2-3 Words for maps, water, and weather

Word Bank

map	key	symbol	glacier	solid	liquid	weather	temperature	wind	ice cap
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Fill in the blank

Read each sentence. Write the best word from the word bank.

1. A _____ is a drawing of a place seen from above.
2. The _____ on a map tells what each symbol means.
3. A blue wavy line is a _____ for a river.
4. Ice is water that is a _____.
5. Water in a river or ocean is a _____.
6. A slow river of ice that scrapes the land is a _____.
7. Warm, cool, and cold tell about the _____.
8. _____ is air that is moving.
9. Sun, clouds, rain, and wind are all parts of the _____.

Explain it

10. Water, ice, and wind can all change the land. Pick one. Tell how it changes the land and if the change is fast or slow.

Weeks 21–24: My Reflection

Standard: 2-ESS1-1, 2-ESS2-1, 2-ESS2-2, 2-ESS2-3 Think about what you learned about Earth

Read each sentence. Put a check in the box if you can do it.

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I can make a map with a key that shows land and water. (Week 21)

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I can tell where water is liquid and where it is frozen solid. (Week 22)

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I can record the weather: sky, temperature, wind, and rain. (Week 23)

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I can explain how water, ice, and wind change the land. (Week 24)

The favorite thing I learned

Draw a picture of it. Label the parts.

Write about your drawing. What did you learn?
