



Science Learning Packet

Grade 2, Week 6:

Changing Landforms

Suggested science learning activities for SPS students during the COVID-19 school closure.

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While Seattle Public Schools endeavors to only post documents optimized for accessibility, due to the nature and complexity of some documents, an accessible version of the document may not be available. In these limited circumstances, the District will provide equally effective alternate access.

Due to the COVID-19 closure, teachers were asked to provide packets of home activities. This is not intended to take the place of regular classroom instruction but will help supplement student learning and provide opportunities for student learning while they are absent from school. Assignments are not required or graded. Because of the unprecedented nature of this health crisis and the District's swift closure, some home activities may not be accessible.

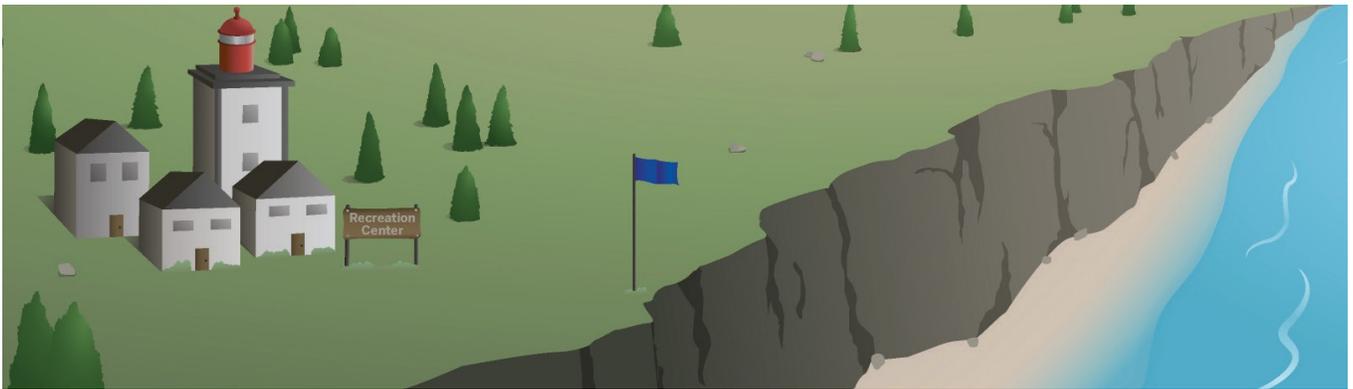
If you have difficulty accessing the material or have any questions, please contact your student's teacher.



Elementary Science Learning Activity

Materials to accompany Chapter 3,
Lessons 2 and 3

Grade 2



AmplifyScience

Changing Landforms:

The Disappearing Cliff

Investigation Notebook

This packet has content materials for these lessons in for Changing Landforms

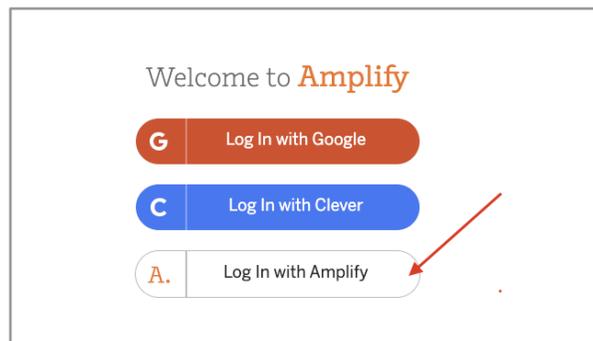
Chapter Lesson	Pages in the Packet
3.2	1-4
3.3	5-7

If you do have a computer and internet access, here is how to obtain access to the available Amplify online resources

- For the book, *Handbook of Land and Water*, navigate to:
<https://learning.amplify.com/books/9781945191626/#page=1>
- Select “**Log In with Amplify**” button
- Enter teacher-provided **username** and **password** (see below)

Username: s.seattle1@tryamplify.net

Password: **SeattleSci2020**



Mapping the Mountain

Directions:

1. Complete the key for your Mountain Map at the bottom of this page:
 - Brown is for very high land.
 - Yellow is for high land.
 - Green is for low land.
2. Observe the mountain carefully. Visualize what the mountain looks like from above.
3. Think about which parts of the land are very high, which parts are high, and which parts are low.
4. Draw (or create using a drawing program) and color a map using the key that shows what the mountain looks like from above, then take a photo of your drawing and attach it in the box below.

Mountain Map



Map key



Question 1: What would happen to the mountain as water continues to hit it?

Question 2: Did the mountain change? Did it change enough that we would need to make changes to our mountain map?

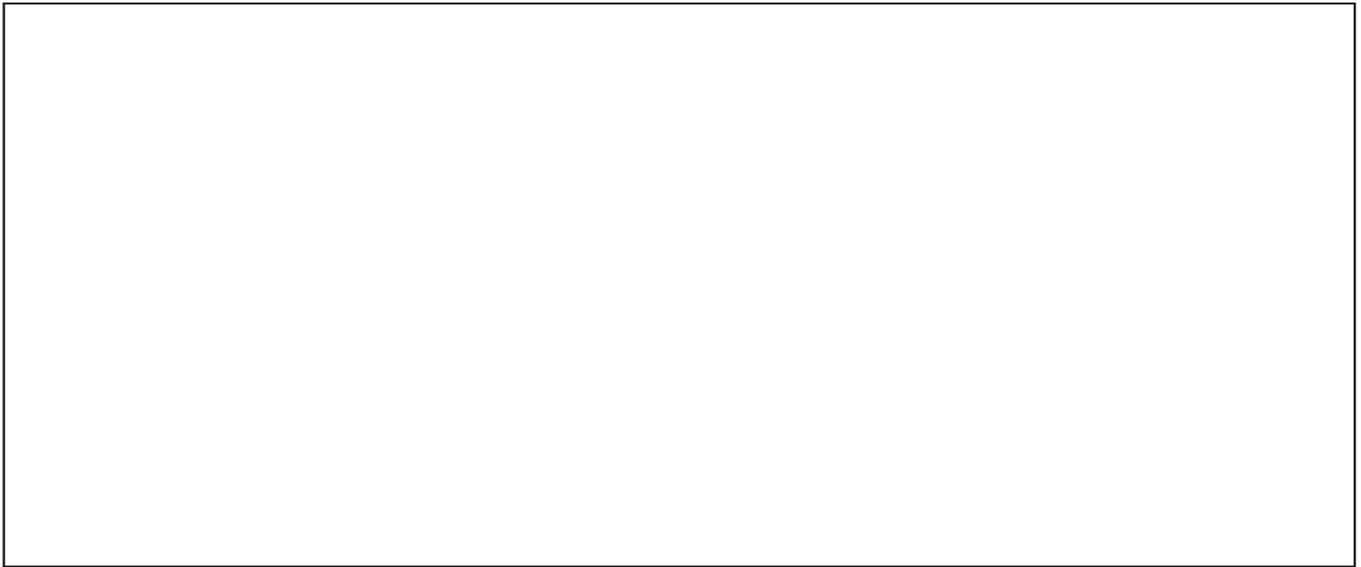
Question 3: Why is it so hard to tell whether I removed a pom-pom or not? Are the changes we just made to the mountain big enough so that we would need to change our map?

Drawing a New Mountain Map

Directions:

1. Complete the key for your new Mountain Map at the bottom of this page:
 - Brown is for very high land.
 - Yellow is for high land.
 - Green for low land.
2. Observe the mountain carefully. Visualize what the mountain looks like from above.
3. Think about which parts of the land are very high, which parts are high, and which parts are low.
4. Draw a new map that shows what the mountain looks like from above using the colors from your key (or create one in a drawing program). Take a photo of your drawing and attach it below.

Mountain Map After Erosion



Map key



Question 4: How is the mountain model similar to the real world?
How is it different?

Question 1: What did we learn through our investigation of the Mountain Model?

Gathering Evidence of Change

Directions:

1. Use *Handbook of Land and Water* to get evidence that many small changes can add up to a big change.
2. Choose two landforms to read about. Record those in the first column of the table below.
3. Record information from the book in the second column.
4. In the last column, check Yes or No to answer the question.

Idea: Many small changes can add up to a big change.

Name of landform	How did the landform change?	Would you be able to see a big change in one day?
	Small change: Big change:	Yes No
	Small change: Big change:	Yes No

Question 2: What evidence from the book supports the idea that small changes can add up to a big change that is easy to notice?

Directions: Use ideas from the Mountain Model and the *Handbook of Land and Water* to answer the following questions:

1. When one small piece of rock erodes from a landform, would you notice a change to the landform? Why or why not?

2. How can erosion cause a big change to a landform?
