
Location, Location, Location

(*Post-visit lesson plan*)

Core Connection

Core Connection: Fourth Grade Science Standard 2
Students will understand that the elements of weather can be observed, measured, and recorded to make predictions and determine simple weather patterns.

Museum Exhibit connection: Ski resort snowfall

Summary: Students will interpret data and create graphs comparing the amount of snowfall at different ski resorts in Utah.

Lesson Learning Objectives:

1. Students will study snowfall data looking for patterns in weather.
1. Students will use data to create graphs comparing snowfall amounts at several locations.
2. Students will answer questions and make predictions about snowfall based on data and graphs.

Materials:

1. Map of Utah's ski resorts with snowfall data (provided)
2. Graph worksheet (provided)
3. Crayons or colored pencils

Approximate Time: 45 minutes

Instructions:

1. Remind students about the Utah Ski Resort snowfall exhibit (handout), and Lake Effect (handout).
2. Ask students to identify patterns on the snowfall data map. *Where do you notice the most snowfall occurring? Why do you think certain parts of the state get different amounts of snow? Which ski resorts have similar totals? Which ski resorts do not have similar totals?*
3. Instruct students to create a bar graph showing 2016-17 snowfall totals at several different ski resorts. *Based on the data and graphs, which resort*

do you think will have the most snowfall THIS year? Which will have the least?

Extension Ideas:

- Instruct students to research 2016-17 snowfall totals from other ski resorts around the county and create graphs comparing the data.
- Instruct students to monitor and record snowfall totals at their homes over a 3-4 week period; reporting back to class and entering the data on a cumulative chart or graph.

Snowfall Graph

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Sn
o
wf
all
in
Inc*

500"
400"
300"
200"
100"

Utah Ski Resorts