

EXPLORING THE GEOLOGY OF LASSEN VOLCANIC NATIONAL PARK THROUGH THE INTERNET

SUMMARY: Students will use the Internet to find sites that have geologic information about Lassen Volcanic National Park.

GOAL: Students will become familiar with the different types of geologic features found in Lassen Volcanic National Park.

OBJECTIVES: By the end of the activity, students will be able to identify and describe at least two geologic features found within the boundaries of Lassen Volcanic National Park.

GRADE LEVEL: Fourth through Twelfth.

TIME REQUIRED: 30 to 45 minutes

SETTING: A classroom setting or computer lab with one or more computers is appropriate for this activity.

MATERIALS: Each student needs one record sheet. Teams of two students can be assigned to one computer.

INSTRUCTIONAL SEQUENCE: Assign this activity as a center for stations or as an individual assignment in a computer lab. Give a brief overview of the expected outcome. (Two students could share a computer and investigate at least one Lassen Volcanic National Park Internet site. Each student will be expected to research the site and find information related to the geology of Lassen Volcanic National Park.) If the activity is assigned as part of a computer lab lesson adjust your instruction to meet your needs.

EXTENSION ACTIVITIES: (1) Have students develop a poster that advertises the Internet site they visit. Students must include a minimum of one geologic fact that they discovered while researching the site. (2) Create a student directory of Internet sites that have information about Lassen Volcanic National Park. Have students write a brief summary about the site. Students can develop a rating system for the sites based on the amount of geologic information found at each site.

EVALUATION/ASSESSMENT: Use the attached rubric to evaluate the students' work.

Name _____

Lassen Volcanic National Park Geology Internet Search

Directions: Select one of the following Internet sites and look for information about the geology of Lassen Volcanic National Park. You may also use a search engine and type in Lassen Volcanic National Park and find a site of your own. Answer the questions listed below. Use a sheet of paper if more space is needed.

Possible Internet Sites:

- http://vulcan.wr.usgs.gov/Volcanoes/Cascades/ImageMaps/CascadeRange/cascade_range.html
- <http://vulcan.wr.usgs.gov/Outreach/AboutVolcanoes/framework.html>
- <http://vulcan.wr.usgs.gov/Volcanoes/Lassen/framework.html>
- http://vulcan.wr.usgs.gov/Volcanoes/Lassen/description_lassen.html
- <http://vulcan.wr.usgs.gov/Glossary/Domes/framework.html>
- <http://www.usgs.gov/education>
- <http://www.nps.gov/lavo>
- <http://quake.wr.usgs.gov/index.html>

1. Which site did you visit?

2. What does the site describe about the geologic features of Lassen Volcanic National Park? Write a four to five sentence summary.

3. Name at least two geologic features described at the site and write a short two to three sentence description of each feature. Include any interesting facts you learned about each feature.

4. Write a three to five sentence description about any other interesting fact or additional information that you learned about Lassen Volcanic National Park while reading the site.

Scoring Rubric

- 4 The student team or individual successfully located an Internet site without any teacher assistance. Detailed information about the geology of Lassen Volcanic National Park was recorded.
- 3 The student team or individual successfully located an Internet site without any teacher assistance. Information about the geology of Lassen Volcanic National Park was recorded.
- 2 The student team or individual needed teacher assistance in locating an Internet site. Information about the geology of Lassen Volcanic National Park was recorded, but it was brief or not appropriate.
- 1 The student team or individual was not successful in locating an Internet site or needed much assistance in locating a site. Information about the geology of Lassen Volcanic National Park was brief or sketchy and may have been missing altogether. However, the team or individual was focused and on-task the entire time.
- 0 The student team or individual was not on-task. The assignment was not completed.

Notes and Observations