Overview

Students plan a virtual or actual trip to Mount Rainier National Park using maps, books, brochures, and Internet resources.

Teacher Background

This activity builds upon students’ familiarity with topographic, highway, and general information maps. Topographic maps can present a major teaching challenge in the classroom. However, maps are a useful tool and their interpretation provides excellent practice for building spatial relation skills.

A preparation analogy

Students take specific items with them when they leave for school in the morning: their books, homework, lunch, etc. They bring different items when going to the beach: a swimsuit, towel, sunscreen, etc. All these items could be put into a bag, just like school gear. Ask students what would happen if they grabbed the wrong bag and arrived at school with beach gear; or what a bummer it would be if they found it was snowing when they arrived at the beach. What if they were unable to find the beach at all? The point is that it is important to be prepared for the specific trip one is planning to take. That means they must do some research to find out what they will need for their visit to an unfamiliar place. It is also important that they check the weather for outdoor destinations and know how to get around once they have arrived.
Planning Your Trip to Mount Rainier—continued...

**Vocabulary:** Elevation, glaciers, lava flows, topographic map, volcano

**Skills:** Measure, organize, identify, interpret

**Benchmarks:**
See benchmarks in Introduction.

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**Teacher Tip:**
Before beginning this activity, students should be familiar with the basic concept of a map. The activities Play-Dough Topo and Topographic Maps and Mount Rainier can help prepare your students for the optional use of topographic maps in this activity.

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**Teacher Tip:**
Prepare for this activity by assembling maps, books and brochures that can help students plan a visit to Mount Rainier National Park. Include several map types such as a Washington State highway map, a topographic map of Mount Rainier, and a Mount Rainier National Park Service Park Map. Students can assemble these supplies from home, library and Internet resources, and can request some maps in a letter to the National Park Service. Visit the National Park Web site as noted on the Internet Resources Page. Note that there is no Teacher Page with answers for this open-ended activity.
Planning Your Trip to Mount Rainier—continued...

Procedure

1. Assemble books, maps, brochures, and Web site resources. The National Park Service’s Web site for Mount Rainier National Park contains up-to-date information and maps. Park maps found on the Web site should be enlarged one-and-a-half to two times for legibility.

2. Read or summarize the analogy for the class from the “Teacher Background.”

3. Students work in groups to answer all or selected questions; or they can do the research at home in preparation for a real or virtual one-day, weekend, or weeklong trip to Mount Rainier!

4. Students create a drawing or collage on the book cover.

5. Students record and archive their trip plans and then “bind them” as a book using staples, thread or spiral binding machine.

6. Students can write trip notes and collect photographs or create drawings of their real or virtual trip to Mount Rainier.

Adaptations

◆ Pick and choose questions or modify them to suit students’ age group. Adjust expectations for the map, book, and brochure resources you have available.

Assessment

Use answers to assess the students’ ability to interpret Mount Rainier information resources and to apply them to their trip itinerary.

Resources


Refer to Internet Resources Page for a list of resources available as a supplement to this activity.
My Trip To
Mount Rainier National Park

Authored by: ________________________________

Trip Preparations

1. The first thing you need to know is how to get to and when to go to Mount Rainier! What type of reference material will help you find a route to Mount Rainier? What roads would you take to get to the park? Use maps or Internet resources to determine how far you need to travel to reach Mount Rainier National Park. Calculate estimated travel time required to reach the park. Keep in mind that some roads are closed during winter.

2. There are several entrances to Mount Rainier National Park. Identify the name of the entrance that is closest to your community.

3. Mount Rainier is a volcano. What evidence can you find on the maps of Mount Rainier National Park that supports this fact?
4. There are several different types of visitor facilities in the park. Record the names of the visitor centers and note where they are located. What is the purpose of a visitor center? What kinds of services do visitor centers provide? Which visitor facilities are open all year around?

5. Are there campgrounds in the park? Count the number of drive-in campgrounds. Do they require reservations? Are there any services offered in the campgrounds that you might like to use? Where can you obtain this information? Where can you obtain food? Discuss what kinds of supplies you might need to pack for a campout at the park.

6. Use a map to examine the park trail system. You will notice that some campgrounds are located beside trails far from roads. How could you get to these campgrounds? What kind of reservation or permit would you need to camp there? What kinds of extra supplies or equipment would you need for an overnight stay at these campsites?
7. Is there any place within the park where you could stay overnight and have meals?

8. Mount Rainier has an extensive trail system. Find the name of the trail that encircles the mountain? How long is this trail?

9. Look for trails close to the park entrance nearest to your school. What are some of the trails that you might choose for a hike or are appropriate for a snowshoe walk? Choose one trail. Determine the trail length, and elevation change from the trailhead to a destination. How long do you think it would take you to reach it?

10. When you go for a hike or snowshoe walk, it is important to be prepared for unfavorable weather and travel conditions. What items should you have with you when you set out for your hike? List at least ten things you should take along, and explain why each one is important. Use park brochures and other resources to assemble your list.
11. More than 88 square kilometers (34 square miles) of glaciers cover Mount Rainier. When you look at Mount Rainier from any direction, one or more glaciers are in view. Which glaciers might you be able to see from the high points on the trails near your park entrance?

12. Find the name and elevation of the highest point on Mount Rainier. Find the elevation of your school. Determine how much higher the summit of Mount Rainier is above the visitor center at Paradise, and above your school. Calculate how many steps would be needed to reach the summit from Paradise and from your school, assuming that a stair step is six inches high. Use park literature and Web site information to determine the best season of the year for summit climbs. Research what types of additional preparations you might make if you wanted to climb to the top of Mount Rainier.
13. Now that you know something about the layout of Mount Rainier National Park, you should decide what attractions you would most like to visit, and discover the best places to view them. Take into account how much hiking you would like to do, how much time you have, and look for places that fit your own personal preferences. For each of the natural or man-made features listed below, find at least one place in the park where you could visit or see this sight. Use the maps and any guides or reference books about Mount Rainier to help you find the answers. Remember that some activities vary with the season.

- Rivers
- Glaciers
- Historic monuments
- Old-growth forests
- Fire lookouts
- Waterfalls
- Alpine meadows and flowers
- Great views of Mount Rainier
- Wildlife
- Lava flows

To your list, add any other sites that interest you, and include where to find them!
14. The last thing you will have to do when planning your trip is one of the most important, because it affects what you will bring and what you will most enjoy on your visit. Check the season, snow pack, and weather forecast specifically for Mount Rainier before you go.

15. Plan an itinerary for a three-day visit to Mount Rainier National Park. Include information about your route to the park. Estimate how long it would take you to hike and drive around the park. When would you start? What attractions would you visit? What items must you pack to be fully prepared for your trip? Write your answers on the page entitled My Trip Itinerary.
My Trip Itinerary

Getting to Mount Rainier National Park:

Food and Lodging:

Activities at the park:

Return Home:

You are now ready to visit one of the country’s first National Parks!

LEARN ALL YOU CAN, BE SAFE, AND HAVE FUN!
