

Life in the Zone

Rangers in the Classroom—Pre-visit Lesson Plan



Grade Level: 3rd

Setting: Classroom

Duration: 45 min - 1 hour

Standards Addressed:

- ° Social Science:
3.1
- ° Math Number Sense:
1.1, 2.1, 2.4, 2.5
- ° Math Algebra:
2.2

Introduction:

Welcome to Rangers in the Classroom! We are looking forward to visiting your class for our Life in the Zone program about the life zones within Sequoia and Kings Canyon National Parks. To help prepare your class for the ranger visit, we have created a pre-visit activity to introduce your students to some of the concepts we will cover in our program. If you are interested in additional preparation, the program outline includes a vocabulary list and can be found on the website at:

<http://www.nps.gov/seki/forteachers/index.htm>.

By exploring a few concepts and vocabulary words with your students prior to our visit, you will help us hit the ground running.

Have fun and we'll see you soon!

Materials:

- ° Computer (with internet access) and projector
- ° "Find Your Way..." worksheets
- ° Pen or Pencil

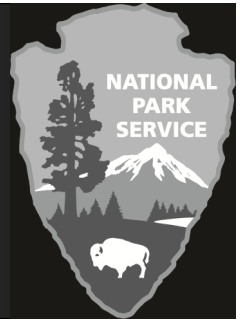
Instructions:

1. Use projector to display Sequoia National Park Map for all students to see.
2. A map is located online at <http://www.nps.gov/seki/index.htm>. Click on "view park map" at the bottom of the bar on the left of the page.
3. Hand out a copy of the "Find Your Way..." map worksheet to each students.
4. Students should answer the questions in complete sentences.
5. Review the answers together as a class.

Life in the Zone

Rangers in the Classroom—Pre-visit Activity

Discover Sequoia National Park



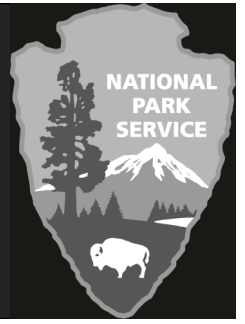
Look at the park map provided by your teacher. Use this map to help you answer the following questions.


1. What is the elevation, in feet, of the following sites?
 - A. Atwell Mill _____
 - B. Pear Lake _____
 - C. Crystal Cave _____
 - D. Bearpaw Meadow _____
 - E. Alta Peak _____
2. The foothills life zone stretches from 800 - 4,000 feet above sea level. Can you find three places on the map that are located in the foothills life zone?
3. The montane life zone stretches from 4,000 - 9,000 feet above sea level. Can you find four places on the map that are located in the montane life zone?
4. The alpine life zone stretches from 9,000 - 15,000 feet above sea level. Can you find three places on the map that are located in the alpine life zone?
5. How much higher is Dorst Creek (6,720 feet) than Potwisha (2,080 feet)?

Life in the Zone

Rangers in the Classroom—Pre-visit Activity

Discover Sequoia National Park



6. During the summer, many people come to Potwisha campground for family reunions. Do you think it is important for families to spend time together in the outdoors? What do you like to do with your family for fun?
7. How much higher is Castle Rocks (9,180 feet) than Buckeye Flat (2,820 feet)?
8. There are two popular hiking trails that leave from the Buckeye Flat campground. Both trails follow rivers that flow through the park. Imagine you were hiking along one of these rivers. What sort of plants and animals do you think you might see? What sounds would you hear? What scents would you smell?
9. This symbol:  shows a horse corral. If there are 20 horses in the corral, how many total legs are there?

***Bonus Question:** Find the General Sherman Tree on the map.
The General Sherman Tree is the largest tree in the world!
It is 275 feet tall. How many inches tall is the tree? (Hint: 12 in.= 1 ft.)