



VOLCANOES

Community Hazards Plan



Instructions

As part of your work at the tourism bureau in Orting, Washington, your job is to provide information to people who are visiting your beautiful town. Each year, many visitors come to Orting and the surrounding areas. Some visitors stay in town, enjoy the three parks filled with giant maples and evergreens, or explore the 20-mile Foothills Trail that winds through the middle of town. Others hike or camp along the nearby Puyallup and Carbon Rivers.

In addition to the town's natural beauty, there are several annual events that draw large numbers of tourists. A traveler can take part in the Daffodil Festival and parade in early April. The Kingsmen Car Show comes to town the third Saturday in June, and the Pumpkin Festival takes place the second weekend in October. Finally, the year is capped off with the Christmas Festival throughout December.

Given that the town of Orting is a popular tourist destination and there is potential danger from nearby Mount Rainier, you have been asked to communicate the hazard to the tens of thousands of people that come to Orting each year.



Last light on Mount Rainier, seen from Orting, WA
Photo credit: ingawh, [Wikipedia \(Creative Commons\)](#)

Your Task: CREATE an educational campaign to inform visitors to Orting and surrounding areas about the local volcanic hazards and how to respond in the event of an emergency related to these hazards. Your campaign can take any form, including:

- ▶ Flyer/Poster/Brochure
- ▶ Social media posts/memes/threads
- ▶ Public Service Announcement video
- ▶ Song/poem
- ▶ Article for a local publication (newspaper, blog, travel website, chamber of commerce)

Your educational campaign must include:

- ▶ A description of the geologic hazards for this area, including:
 - ◆ What types of volcanoes are nearby? How do scientists determine if a volcano poses a threat to society?
 - ◆ What kinds of hazards are associated with the volcano that is most likely to impact this town?
 - ◆ What other volcanic hazards might impact this town and the surrounding area?
 - ◆ An evacuation plan or disaster plan that covers where to go and what to do in the event of a hazard
- ▶ Information about the kinds of technologies that exist to warn community members about an impending hazard and how these technologies work. Refer to the document *Listen Up: Monitoring Volcanoes with Sound* to describe how sound data informs volcano forecasting.

Some of text used here is from the following website: <http://cityoforting.org/visitors-tourism/>

This task aligns with NGSS PE MS-ESS3-2 <https://www.nextgenscience.org/pe/ms-ess3-2-earth-and-human-activity>