

Pumice Group

Johnston Ridge, Eruption Trail, Coldwater Lake

- Before you leave** Gather chaperones and define your expectations for them during the field trip. Chaperones are responsible for helping students' complete their assigned activities and for supervising their student groups' behavior at all times.
- Leave your school and drive on I-5 to the Castle Rock exit #49 and take State Route 504 to the Johnston Ridge Observatory. Complete "Reading the Landscape" mapping activity on State Route 504.
- 10:30 to 10:40 A ranger will board your bus and review rules and behavioral expectations upon arrival to the Johnston Ridge Observatory. If a ranger is not present have your students wait on the bus while a chaperone walks up to inform us of your arrival.
- 10:40 to 11:35 Students use information from exhibits inside the Observatory to complete the worksheet "Volcanoes Shake and Bake".
- 11:35 to 12:00 Watch the 11:40 showing of "Message from the Mountain," a 16-minute theater presentation on the May 18, 1980, eruption and subsequent dome building eruptions. **Theater doors close automatically at 11:40. No admittance after the movie begins, next show is biologically focused and starts at 12:10.**
- 12:00 to 12:35 **Return to the bus and eat lunch.** Due to problems with food scraps, litter and aggressive ground squirrels we request that school groups not eat lunch in the viewing plaza adjacent to the observatory.
- 12:35 to 1:35 Walk to the viewing plaza and conduct one of the "Eruption Trail" lesson plans posted on the teachers corner. To examine:
- The lateral blasts impact conduct: "The Case of the Big Blast"
 - The lateral blasts impact to and recovery on Johnston Ridge conduct: "Survivor Volcano"
 - The eruptions impacts and recovery on a landscape level conduct: "Patterns of Recovery".
- It has taken decades for plant life to gain a foothold on this ridge. Emphasize the importance of staying on the trail and not collecting any natural features. This trail ends in the parking lot; when students complete the activity, have them follow the trail back to the bus.
- 1:35 to 1:55 Depart for Coldwater Lake Recreation Area.
- 1:55 to 2:45 Start on time—another group will walk this trail 15 minutes after you begin. Walk the Birth of a Lake Trail and conduct a lesson plans posted on the teachers corner.
- If you want to examine how landforms, water, plants and animals are influencing the development of habitats conduct: "Changing Habitats".
 - If you want to examine management and ethical issues faced by the Monument Manager conduct: "Natural or Unnatural?"
- This trail ends in the parking lot; have students take a bathroom break (last chance).
- 2:45 to 3:00 Load bus and depart for school. Conduct "Volcanoes A-Z" activity in route to school.

Ash Group

Eruption Trail, Johnston Ridge, Coldwater Lake

Before you leave	<p>Gather chaperones and define your expectations for them during the field trip. Chaperones are responsible for helping students' complete their assigned activities and for supervising their student groups' behavior at all times.</p> <p>Leave your school and drive on I-5 to the Castle Rock exit #49 and take State Route 504 to the Castle Lake Viewpoint. Complete "<u>Reading the Landscape</u>" mapping activity on State Route 504.</p>
10:30 to 10:40	<p>A ranger will board your bus and review rules and behavioral expectations upon arrival to the Johnston Ridge Observatory. If a ranger is not present have your students wait on the bus while a chaperone walks up to inform us of your arrival.</p>
10:40 to 11:40	<p>Walk to the viewing plaza and conduct one of the "Eruption Trail" lesson plans posted on the teachers corner. To examine:</p> <p style="padding-left: 40px;">The lateral blasts impact conduct: "<u>The Case of the Big Blast</u>"</p> <p style="padding-left: 40px;">The lateral blasts impact to and recovery on Johnston Ridge conduct: "<u>Survivor Volcano</u>"</p> <p style="padding-left: 40px;">The eruptions impacts and recovery on a landscape level conduct: "<u>Patterns of Recovery</u>".</p> <p>Emphasize the importance of staying on the trail and not collecting any natural features. This trail ends in the parking lot; when students complete the activity, have them follow the trail back to the bus.</p>
11:40 to 12:10	<p>Eat lunch on the bus. Due to problems with food scraps, litter and aggressive ground squirrels we request that school groups not eat lunch in the viewing plaza adjacent to the observatory.</p>
12:10 to 12:35	<p>Students use information from exhibits inside the Observatory to complete the worksheet "<u>Volcanoes Shake and Bake</u>".</p>
12:35 to 1:00	<p>Watch the 12:40 showing of "Message from the Mountain," a 16-minute theater presentation on the May 18, 1980, eruption and subsequent dome building eruptions. Theater doors close automatically at 12:40. No admittance after the movie begins, next show is biologically focused and starts at 1:10.</p>
1:00 to 1:40	<p>Students finish the worksheet "<u>Volcanoes Shake and Bake</u>".</p>
1:45 to 2:05	<p>Drive to the Coldwater Lake Recreation Area</p>
2:05 to 3:05	<p>Start on time—another group will walk this trail 15 minutes after you begin. Walk the Birth of a Lake Trail and conduct a lesson plans posted on the teachers corner.</p> <p style="padding-left: 40px;">If you want to examine how landforms, water, plants and animals are influencing the development of habitats conduct: "<u>Changing Habitats</u>".</p> <p style="padding-left: 40px;">If you want to examine management and ethical issues faced by the Monument Manager conduct: "<u>Natural or Unnatural?</u>"</p> <p>This trail ends in the parking lot; have students take a bathroom break (last chance).</p>
3:05 to	<p>Depart for your school. Conduct "<u>Volcanoes A-Z</u>" activity in route to your school.</p>

Lava Bombs Group

Coldwater Lake, Johnston Ridge, Eruption Trail

- Before you leave** Gather chaperones and define your expectations for them during the field trip. Chaperones are responsible for helping students' complete their assigned activities and for supervising their student groups' behavior at all times.
- Leave your school and drive on I-5 to the Castle Rock exit #49 and take State Route 504 to the Castle Lake Viewpoint. Complete "*Reading the Landscape*" mapping activity on State Route 504. Drive to the Coldwater Lake Recreation Area.
- 10:15 to 10:30 Arrive to Coldwater Lake Recreation area and take **bathroom break**.
- 10:30 to 11:30 Gather students at the 'Birth of a Lake Trailhead'. Discuss the importance of students staying on the trail at all times. Off trail travel and the collection of any natural feature is prohibited. Conduct one of the lesson plans posted on the teachers corner.
- If you want to examine how landforms, water, plants and animals are influencing the development of habitats conduct: "*Changing Habitats*".
- If you want to examine management and ethical issues faced by the Monument Manager conduct: "*Natural or Unnatural?*"
- 11:30 to 12:00 **Eat lunch** in the picnic area.
- 12:00 to 12:20 Drive to the Johnston Ridge Observatory. A ranger will board your bus and review rules and behavioral expectations upon arrival. If a ranger is not present have your students wait on the bus while a chaperone walks up to inform us of your arrival.
- 12:20 to 1:35 Students use information from exhibits inside the Observatory to complete the worksheet "*Volcanoes Shake and Bake*".
- 1:35 to 2:00 Watch the 1:10 showing of "Message from the Mountain," a 16-minute theater presentation on the May 18, 1980, eruption and subsequent dome building eruptions. **Theater doors close automatically at 2:10. No admittance after the movie begins, next show starts at 1:10.**
- 2:00 to 2:45 Walk to the viewing plaza and conduct one of the "Eruption Trail" lesson plans posted on the teachers corner. To examine:
- The lateral blasts impact conduct: "*The Case of the Big Blast*"
- The lateral blasts impact to and recovery on Johnston Ridge conduct: "*Survivor Volcano*"
- The eruptions impacts and recovery on a landscape level conduct: "*Patterns of Recovery*".
- Emphasize the importance of staying on the trail and not collecting any natural features. This trail ends in the parking lot; when students complete the activity, have them follow the trail back to the bus.
- 2:45 Depart for your school. Conduct "*Volcanoes A-Z*" activity en route to your school.