

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 Upon arrival to the Johnston Ridge Observatory have your students wait on the bus while a chaperone walks up to inform us of your arrival. A ranger will board your bus and review rules and behavioral expectations.
- 10:40 to 11:35 Students use information from exhibits inside the Observatory to complete the worksheet "Constructive Destruction".
- 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.**
- 11:50 to 12:30 **Eat lunch on bus.** Due to problems with food scraps, litter and aggressive ground squirrels we request that schools not eat lunch in the viewing plaza next to the center.
- 12:30 to 1:30 Return to the viewing plaza and conduct one of the "Eruption Trail" lesson plans posted on the teachers corner:
- If you want to examine the lateral blasts impacts conduct: "Mass Gas Blast".
 - If you want to examine the eruptions impacts on a landscape level conduct: "Mount St. Helens: Flowing, Blowing, Glowing".
 - If you want to examine the eruptions impacts and recovery on a landscape level conduct: "A Fine Line Between Life & Death".
 - If you want to examine plant recovery on Johnston Ridge: "Biologic Pathways".
- Explain the importance of students staying on the trail and not collecting rocks, wood, and plants. It has taken almost 30 years for plant life to get a foothold on this ridge.
- 1:30 to 1:50 This trail ends in the parking lot; when students complete the activity, have them follow the trail back to the bus. Depart for Coldwater Lake Recreation Area.
- 1:50 to 2:50 Walk the 'Birth of a Lake Trail. Start on time--another group will start walking on this trail in 15 minutes. Conduct one of the lesson plans posted on the teachers corner.
- "What's Shaping this Habitat?" examines how landforms, water, plants and animals are influencing the development of habitats.
 - "Shades of Gray" examines management and ethical issues at the monument.
- 2:50 to 3:00 Bathroom break, then depart for school. Conduct "Volcanoes A-Z" activity in route.

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>Arrive to Drive to the Johnston Ridge Observatory. Upon arrival have your students wait on the bus while a chaperone walks up to inform us of your arrival. A ranger will board your bus and review rules and behavioral expectations.</p>
10:40 to 11:40	<p>Walk to the viewing plaza next to the observatory and conduct one of the "Eruption Trail" lesson plans posted on the teachers corner</p> <p>If you want to examine the lateral blasts impacts conduct: "<u>Mass Gas Blast</u>".</p> <p>If you want to examine the eruptions impacts on a landscape level conduct: "<u>Mount St. Helens: Flowing, Blowing, Glowing</u>".</p> <p>If you want to examine the eruptions impacts and recovery on a landscape level conduct: "<u>A Fine Line Between Life & Death</u>".</p> <p>If you want to examine plant recovery on Johnston Ridge: "<u>Biologic Pathways</u>".</p> <p>Explain the importance of students staying on the trail and not collecting rocks, wood, and plants. It has taken almost 30 years for plant life to get a foothold on this ridge.</p>
11:40 to 12:10	<p>When students complete the activity, have them follow the trail back to the bus, and eat lunch. Due to problems with food scraps, litter and aggressive ground squirrels we request that schools not eat lunch on the plaza next to the center.</p>
12:10 to 12:35	<p>Students use information from exhibits inside the Observatory to complete the worksheet "<u>Constructive Destruction</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>Constructive Destruction</u>".</p>
1:45 to 2:05	<p>Drive to the Coldwater Lake Recreation Area</p>
2:05 to 3:05	<p>Walk the 'Birth of a Lake Trail. Conduct a lesson plan posted on the teachers corner.</p> <p>If you want to examine how landforms, water, plants and animals are influencing the development of habitats conduct: "<u>What's Shaping this Habitat?</u>".</p> <p>To examine management issues at the Monument conduct: "<u>Shades of Gray</u>".</p>
3:05 to	<p>Bathroom break and depart your school. Conduct "<u>Volcanoes A-Z</u>" activity in route.</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 Discuss the importance of students staying on trail and not collecting rocks, plants, or animals. Walk the 'Birth of a Lake Trail. 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: "What's Shaping this Habitat?"
- If you want to examine management and ethical issues faced by the Monument Manager conduct: "Shades of Gray"
- 11:30 to 12:00 **Eat lunch** in the picnic area.
- 12:00 to 12:20 Upon arrival to the Johnston Ridge Observatory have your students wait on the bus while a chaperone walks up to inform us of your arrival. A ranger will board your bus and review rules and behavioral expectations.
- 12:20 to 1:35 Students use information from exhibits inside the Observatory to complete the worksheet "Constructive Destruction".
- 1:35 to 2:00 Watch the 1:40 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 1:40. No admittance after the movie begins, next show starts at 2:10.**
- 2:00 to 3:00 Conduct one "Eruption Trail" lesson plans posted on the teachers corner
- If you want to examine the lateral blasts impacts conduct: "Mass Gas Blast".
- If you want to examine the eruptions impacts on a landscape level conduct: "Mount St. Helens: Flowing, Blowing, Glowing".
- If you want to examine the eruptions impacts and recovery on a landscape level conduct: "A Fine Line Between Life & Death"
- If you want to examine the lateral blasts impact to and recovery on Johnston Ridge: "Biologic Pathways"
- It has taken decades for plant life to get a foothold here. Emphasize the importance of staying on the trail and not collecting natural features. This trail ends in the parking lot; when students complete the activity, follow the trail back to the bus.
- 2:45 Depart for your school. Conduct "Volcanoes A-Z" activity in route to your school.