

2 Buses Middle School Earth Science

Underground & Outdoor Activities

Bus #1: Lava Tubes

- ??:?? to 9:15 Leave your school and drive on I-5 to the Woodland exit #21.
- 9:15 to 10:15 From Woodland, drive on State Route 503 through the town of Cougar to Forest Road 90. Follow Forest Road 90 seven miles and take a left turn on Forest Road 83. Follow Forest Road 83 two miles and turn left on Forest Road 8303. Follow Forest Road 8303 one mile and turn right at “Ape Cave Geologic Site” sign.
- 10:15 to 10:30 Conduct the “lava tube simulation” component of the “*Hot Lava Frozen in Time*” activity as students exit the bus. Make sure students are comfortable with the cave formation model.
- 10:30 to 10:45 Bathroom break, put on warm clothes, check flashlights and light lanterns.
- 10:45 to 12:00 Walk the lower section of Ape Cave. Students will observe cave features, and use information gained from participating in the eruption simulation to complete the worksheet “*Hot Lava Frozen in Time*”
- 12:00 to 12:10 Load up bus and drive to the Trail of Two Forests.
- 12:10 to 12:45 Lunch break at the Trail of Two Forests Picnic Area. There are no garbage cans at any site on the south side of Mount St. Helens, please bring garbage bags to clean up after your group.
- 12:45 to 1:00 Conduct the “tree mold simulation” component of the “*The Tree Mold Maze*” activity at the trailhead. Make sure students are comfortable with the tree mold formation model.
- 1:00 to 1:45 Walk the Trail of Two Forests. Students will make observations while crawling through the “Crawl” (molds or impressions of trees engulfed in the Ape Cave lava flow) then complete the worksheet “*The Tree Mold Maze*”
- 1:45 to 2:00 Bathroom break, load up bus and depart for your school.

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Bus #2: Tree Molds

- ??:?? to 9:15 Leave your school and drive on I-5 to the Woodland exit #21.
- 9:15 to 10:15 From Woodland, drive on State Route 503 through the town of Cougar to Forest Road 90. Follow Forest Road 90 seven miles and take a left turn on Forest Road 83. Follow Forest Road 83 two miles and turn left on Forest Road 8303. Follow Forest Road 8303 ¼-mile and turn left at the “Trail of Two Forests” sign.
- 10:15 to 10:30 Conduct “tree mold simulation” component of “*The Tree Mold Maze*” activity at the trailhead. Make sure students are comfortable with the tree mold formation model.
- 10:30 to 11:30 Walk the Trail of Two Forests. Students will make observations while crawling through the “Crawl” (molds or impressions of trees engulfed in the Ape Cave lava flow) then complete the worksheet “*The Tree Mold Maze*”
- 11:30 to 12:00 Lunch break at the Trail of Two Forests Picnic Area. There are no garbage cans at any site on the south side of Mount St. Helens, please bring garbage bags to clean up after your group.
- 12:00 to 12:20 Load up bus and drive ¾ mile to Ape Cave geologic Site. Conduct the “lava tube simulation” component of the “*Hot Lava Frozen in Time*” activity as students exit the bus. Make sure students are comfortable with the cave formation model.
- 12:20 to 12:30 Bathroom break, put on warm clothes, check flashlights and light lanterns.
- 12:30 to 1:45 Walk the lower section of Ape Cave. Students will observe cave features and use information gained from participating in the eruption simulation to complete the worksheet “*Hot Lava Frozen in Time*”
- 1:45 to 2:00 Bathroom break, load up bus and depart for your school.