

Week 4 – The earth moves continued

Goal – To make students comfortable with turning layers on and off in the Table of Contents in order to observe data and obtain additional information to analyze and answer geologic hazard questions.

1. Using the supplement page map, have students draw on map where they think volcanos occur – 30 minutes
Have them answer questions 1 – 3 on supplemental answer sheet
Discuss and compare with 4 student groups
GeoMentor reviews some answers with students – group answers
2. Have students open ArcGIS Online Lesson Map – 15 minutes
Map instructions for students:
Click on Modify Map
Click on Contents
Turn on active volcanos and observe earthquake locations at multiple scales
Have students answer Questions 4-6 on student answer sheet
3. Instruct students to click on west coast, ring of fire and world bookmarks and answer Question 7 – 10 minutes
4. Have students draw where they think the tectonic plates are on the supplemental map based on their observations and complete Questions 8-10 – 10 minutes
5. Have students turn on Large Cities layer – 15 minutes
Have students answer Question 13 on student answer sheet and Question 4 on supplemental answer sheet
6. Take students outside to view physical geologic features in the Darrington area and look for evidence of major geologic events – 10 minutes