Week 6 – Life on the edge and Boundaries and places hybrid

Goal – To make students comfortable with launching an editing session and tracing physical features on the interactive map to create their own layer and to introduce physical and geometric boundaries

1. Students will complete the Life on the Edge lesson from previous week by launching an editing session in the lesson map.

2. Have students select a freehand polyline tool and use the streams layer and aerial imagery to trace a lahar path that connects the vents to the USGS lahar layer near Darrington, and be sure to have partners take turns creating polylines – 20 minutes

3. Have students turn on the following WSDOT layers and answer Questions 6 and 7: - 10 minutes

   Cities

   Roads

   Airports

4. GeoMentor should cover the following topics: - 5 minute

   Physical Boundaries – mountains, rivers, oceans, etc.

   Geometric Boundaries – based on survey grids

   Anthropographic – based on human commonality such as religions and languages

   Concept of landlocked

5. Have students turn off all geologic hazard layers, airport layer and aerial imagery

6. Have students turn on Washington Counties layer and shaded relief layer

7. Have students launch an editing session and select a freehand polygon tool to trace a polygon boundary around the Cascade mountain range in Washington State – 5 minutes

8. Have students answer Questions 8 – 11 – 10 minutes

9. Have students turn off the following layers:

   WA rivers

   WA counties

10. Have students click on United States bookmark and turn on the following layers:

    USA States

    ESRI Rivers and Lakes

11. Have students answer Questions 12 – 14 – 10 minutes

12. Take students outside to observe different boundaries such as streets, streams and mountains