EarthScope ANGLE

Alaska Native Geoscience Learning Experience

Earthquake-Tsunami-Volcano Science & Preparedness Workshop for Alaskan Educators

April 17-20, 2020
University of Alaska Anchorage, Gorsuch Commons Rm 106
3700 Sharon Gagnon Lane, Anchorage AK 99508

Are you an educator in science, natural history, or emergency management?

Want to discover more about amazing Alaskan geology and natural hazards and learn ways to increase disaster preparedness?

This 4-day professional development workshop brings together K-12 educators, parks & museum interpreters, and emergency management and health & safety educators. Participants learn about earthquake, tsunami, volcano, and EarthScope science and applications to Alaskan preparedness. They will explore the topics in a hands-on learning environment and a full-day field trip. Participants receive an educator kit containing high quality physical and digital resources to support the transfer of teaching activities to classrooms, interpretive sites, and other learning environments. On the last workshop day, participants develop action plans for conducting collaborative science and engaging our communities in the mitigation of geologic hazards. Participants will present their projects at the follow-up Share-a-thon on February 6, 2021.

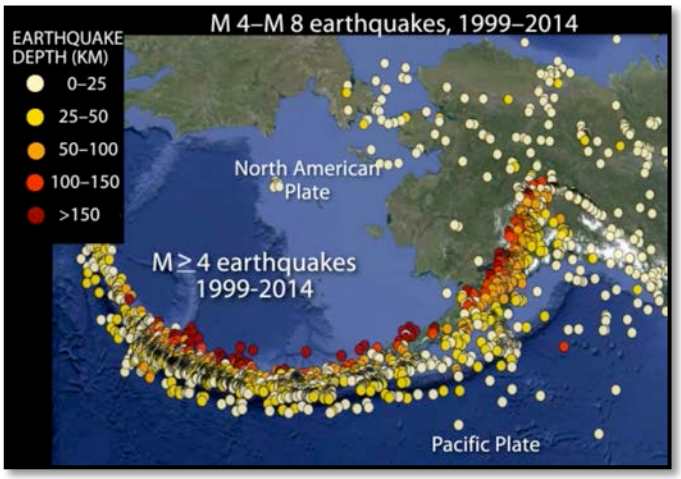
Anticipated Topic & Activity Schedule

Day 1	Alaskan plate tectonics, earthquakes, tsunamis, and volcanoes; seismic and GPS monitoring; preparedness steps
Day 2	Field Trip – Alaskan earthquake and tsunami geology; Alaskan oral accounts and 1964 experiences; EarthScope instruments; resilience planning
Day 3	More natural hazard science and activities: Native Alaskan knowledge; tsunami and volcano preparedness.
Day 4	Community preparedness, resilience planning, and action plan presentations

Participants will receive (paid for by the grant):

- Two credits hours (UAA course, optional)
- Travel, housing and food expenses (for participants outside Anchorage area)
- Earth science and preparedness field-trip experience
- $100/day stipend for days outside regular work (must attend all of 4-day workshop and 1-day follow-up Share-a-thon; stipend payment half each in May and February)
- For those who cannot accept stipends, equivalent funds are available for posters, exhibits, signage, or other educational or interpretive materials.
- Educator "kit' with materials for classroom and interpretive activities on earthquakes, tsunamis, volcanoes, EarthScope science, and hazard mitigation.
- Opportunity to join the Quake Catcher Network (QCN; *http://quakecatcher.net*) and have a seismometer installed at your educational or public institution. QCN has thousands of team members collecting earthquake data around the world.
- Advice from ANGLE instructors regarding classroom activities as well as interpretive programming, exhibits, and signage development.

Primarily for educators from **Mat-Su/Anchorage, Kenai Peninsula, Kodiak, Southeast,** and **Aleutians**.

APPLY NOW! - *serc.carleton.edu/ANGLE* Space is limited. **Deadline February 24.**

Questions contact *witter_jennifer@asdk12.org*