

Cascadia Earthscope Earthquake and Tsunami Education Program (CEETEP)
Workshop at OSU Hatfield Marine Science Center
Newport, Oregon, August 12-15, 2013

Group Interpretive Program Presentations

Each team designed and presented a 10-minute interpretive program during the workshop.

Action Team 1 – Elephant in the Room

Title: “What will be YOUR Story?”

Setting: TV Studio in an Oregon coastal community

Audience: News watchers

Theme: “The stories from anyone, anywhere, anytime, any age will survive.”

The time is August, 2023, on the ten-year anniversary of the last great Cascadia Subduction Zone earthquake. In interviews for a TV special, each member of the team tells their own story of the earthquake and its accompanying tsunami. The personal and often emotional accounts provide lessons to help individuals and families understand what they need to do before, during, and after an earthquake.

Action Team 2 – Elastic Rebounders

Title: “Profound Jeopardy”

Setting: Community Center in a town along the Oregon Coast

Audience: Mix of ages from the local community

Theme: “Science helps us understand reasons for—and how to prepare for—earthquakes and tsunamis.”

After hearing a presentation on the science and preparedness for earthquakes and tsunamis, family members are given the opportunity to participate in a game of Jeopardy to see what they’ve learned. The wide range of topics includes specific geology, seismology, and emergency preparedness vocabulary and messaging helpful toward understanding natural hazards and how to lessen the risks they pose to Oregon’s coastal and inland communities.

Action Team 3 – Wave Knives

Title: “Seismic Red Light, Green Light”

Setting: State park along the Oregon Coast

Audience: Families of all ages

Theme: “Understanding what an earthquake feels like helps prepare ourselves, our families, and our communities against harm from these inevitable events.”

The families participate in an activity where they pretend to be different types of seismic waves originating from an earthquake along the Cascadia Subduction Zone. By using their bodies to simulate the different speeds and types of ground shaking from compressional, shear, and surface waves—and stopping the action at various times during the demonstration—they learn about when various waves will reach specific Oregon communities, and how severe each type of wave is likely to be.

Action Team 4 – Rock and Rollers

Title: “Signs, Signs, Everywhere are Signs”

Setting: Campground at a park along the Oregon Coast

Audience: Multiage and families

Theme: “By learning to read earthquake and tsunami signs, both natural and man-made, we can take action to ensure the safety of our homes and families.”

The audience is shown a series of signs, starting with familiar road signs and progressing to pictures of natural things such as dark clouds, to have them think about how they observe and react to warnings about

hazards. They are then asked to think about the many signs that they can look for to better prepare their families and communities for earthquakes and tsunamis, and the actions they can take to prevent injury and ensure safety.

Action Team 5 – Head for the Hills

Title: “Mysterious Past; Promising Future”

Setting: Cape Amazing Natural Area on the Oregon Coast

Audience: Grade school field trip with teacher and parent chaperones

Theme: “Illuminating the mysteries of the past guides our path to a safer tomorrow.”

During a field trip to the Oregon Coast, a grade-school class—along with their teacher and parent chaperones—is engaged by a park ranger on the science and preparedness for earthquakes and tsunamis. The ranger relates how the beautiful coastal landscape was formed by the same geological processes that also cause earthquakes and tsunamis. She also has them observe features along the coast to think about the steps they can take before, during and after an earthquake to ensure the safety of themselves and their families.

Action Team 6 – South Coast Shakers

Title: “As the Plates Move”

Setting: National conference for the geologically impaired

Audience: Adult

Theme: “Friction created along the Cascadia Subduction Zone leads to devastating earthquakes and tsunamis.”

The narrator brings us up-to-date about the popular daytime drama “As the Plates Move.” In past episodes, the debonair “Juan de Fuca” courts his mistress “América del Norte.” Though friction in the past has impeded subduction and led to devastating breakups, the pair still remain coupled. In the latest episode they learn a new dance “Episodic Tremor and Slip,” which they hope will help to release tension.