

Agenda for 2014 Earthquakes in North Carolina Workshop

- 8:30- 9:00 am** – Participants sign – in, make name tag and get notebook
- 9:00- 9:10 am - Block 1a:** **Introduction**
- Quick Introduction
 - Facilities, snacks, timing, title of workshop, presenters
- 9:10 – 9:30 am - Block 1b:** **EQ History in North Carolina**
- 9:30 - 10:30 am - Block 2:** **Earthquakes and Tectonics**
- Review of Plate Tectonics
 - Elastic Rock Demonstration.
 - Plate puzzle activity
 - Plate boundary examination using IRIS IEB earthquake viewer
 - Evidence of past movement - Folding and Faulting
 - Fault blocks – paper models
- 10:30 - 10:40 am - Morning Break**
- 10:40 am–12:00 pm - Block 3:** **Coffee and Snack Break**
- Waves/Measurement**
- Basics of Waves (slinky)
 - Human Chain Wave
 - What’s inside of the Earth? Black Box activity
 - Journey to the Center of the Earth
 - Measuring an Earthquake
 - Pasta Quake 1 – 30 – 900
- 12:00–12:45 pm - Lunch**
- 12:45 – 1:45 pm - Block 4:** **Lunch**
- Waves/Measurement** continued
- Human Seismometer
 - Explore Smart Phones
 - Quake Cather Network - QCN sensors
 - Virtual Earthquake
 - Examine Real Time seismograms – (jAmaSeis)
- 1:45 – 1:55 pm - Afternoon Break**
- 1:55 – 3:30 pm - Block 5:** **Break**
- Risk / Hazards / Preparedness**
- Asperities Aftershock demo
 - Resonance Demo
 - IRIS Building activity
 - Preparedness and the Great Shake Out
- 3:30 – 4:00 pm - Block 6:** **Wrap up**
- Gather Kit material
 - Return deposit checks
 - Evaluations