Earthquake Education in High Schools: Observing the ShakeOut

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Before the Lesson...
Personalize it!
Personalize it!
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- Have a short discussion
- Even if you have not FELT one, there have been lots of earthquakes near you… even today!

Feel left out? Just hang around…
“My mom said...”

Misconceptions and Myths
Fault Blocks
Map Interpretation

- Topographic map of Riverside
Map Interpretation

- **Shake maps**
Map Interpretation

• **TeraShake simulations**
Virtual Earthquake Lab
http://vcourseware.calstatela.edu/
http://www.sciencecourseware.com/VirtualEarthquake/
Liquefaction Lab

- [http://www.exploratorium.edu/faultline/activezone/liquefactionaction.html](http://www.exploratorium.edu/faultline/activezone/liquefactionaction.html)
Newspaper Articles

- 1906 San Francisco Earthquake: [http://www.sfmuseum.org/1906/06.html](http://www.sfmuseum.org/1906/06.html)
“Earthquakes and Me” Project

- Home inspection
- School inspection
- Disaster preparedness plan for home
- Disaster supply/72-hour kit for home/car
- Practice Drill for family
- Info on a major known fault close to my home: http://www.data.scec.org/faults/lafault.html
- How prepared are you and your family?
Everywhere you go...

What would you do if it hit RIGHT NOW?

Walk into room, and choose the best area...
Guest Speakers

- Bob DeGroot

Field Trips

- Museums in area (SAN BERNARDINO???)
- Walking trip
Geology Club

- 72-hour kits
- Involvement in drill
At or Near the End of Lesson...
Answer Their Own Questions
Using Their Own “Geo-logic”