OKLAHOMA ROCKS!

Shake, Rattle & Roll

This map is compiled from the Oklahoma fault database, which continues to be updated as additional fault information is available. The faults shown here represent one interpretation of all the faults in the Oklahoma fault database being compiled by the OGS. This preliminary version identifies surface and subsurface faults on one map.

Visit ogs.ou.edu and click on the Research-->Earthquakes-->Seismic Monitoring Program tabs to view a map of all the seismometers being used to detect earthquakes in Oklahoma. On the map, click on the station (represented by small squares) that is closest to you.

Make Your Own Seismometer

Materials:

- cardboard box with the flaps cut off
- plastic cup
- felt tip marker
- string
- small rocks, marbles, or bolts
- clay
- paper
- scissors

Instructions:

Set the box on the table so that the opening faces you and poke two holes next to each other in the center of the top of the box.

Poke a hole for the marker in the center of the bottom of the plastic cup and two holes opposite each other along the rim.

Put the marker through the hole in the bottom of the cup with the writing end sticking out of the bottom. Put clay around the hole so that the marker won't move.

Cut a piece of string, about 45cm in length and thread it through the two holes along the rim of the cup. Thread the string through the holes in the box, so that both ends of the string are equally in the box. Tie the ends on top of the box.

Fill the cup 3/4 of the way with something that'll weigh the cup down (marbles, bolts, rocks, etc.).

Cut a strip of paper that's as long as the box and approximately 5 inches wide and put it under the marker. Take the cap off the marker and make sure that it sticks out far enough that it touches the paper.

Have someone shake the box right and left while someone pulls the paper forward. If you do this right, you should get a squiggly line on the paper.

For more detailed instructions and graphics on Making Your Own Seismometer visit: http://pbskids.org/zoom/activities/sci/seismometer.html