Sally Sharp December 3, 2014

Earthquakes

E.Q. How are earthquakes located? How is magnitude calculated?

Objectives:

SWBAT triangulate the epicenter of an earthquake. SWBAT calculate the magnitude of an earthquake.

http://www.sciencecourseware.org/VirtualEarthquake/VQuakeExecute.html

Procedures:

- Log on to the website and then choose an earthquake location.
- Read about seismograms and determining the S-P Interval.
- Choose an earthquake location.
- Measure the S-P Interval for three seismograph readings.
- Submit measurements. NOTE: if the three measurements do not all intersect, recheck your readings and make changes until they all intersect.
- Calculate the magnitude of the earthquake based on readings.

Assessment:

Print out certificate of successful identification of the epicenter and calculation of the magnitude.

Virtual Seismologist Certificate of Completion

This certifies that
Sally Sharp
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Middlesex, NJ

has successfully completed the required steps for locating the epicenter and determining the magnitude of a virtual earthquake By authority of the Electronic Desktop Project

Wednesday, December 03, 2014