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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.

