

Investigation 2: The Interior of the Earth

This investigation will help you to:

- Waves
- Earthquakes and Seismic Waves
- Wave Refraction
- The Interior of the Earth

To learn more about waves, visit the following web sites:

Wave Classroom, **SEACOOS**

View informatin on the following topic areas:

- making wave posters.
- wave presentation.
- wave fact sheet.
- selected wave activities.
- wave glossary.
- web wave resources.

National Data Buoy Center, **National Weather Service, NOAA**

The National Weather Service provides weather and marine data from buoys surrounding North America, the Carribean, and Great Britain. Historical and realtime data are featured. Data include wind, waves, atmospheric pressure, air and water temperature, and dewpoint.

To learn more about earthquakes and seismic waves, visit the following web sites:

Seismic Waves, **University of Nevada Seismology Lab**

Read an overview of seismic deformation and the different types of seismic waves. Also covers how seismic waves are measured and how their measurement can be used to determine where earthquakes originate.

What is Seismology and What are Seismic Waves?, **UPSeis from Michigan Technological University**

This page provides a more in-depth discussion of P and S waves as well as Love waves and Rayleigh waves

Seismometers, Seismographs, and Seismograms, etc., **USGS/Cascades Volcano Observatory**

Find out more about how seismometers and seismographs work.

Earthquakes and Seismicity, **USGS Cascades Volcano Observatory**

Browse through links to additional articles or pages about specific seismic stations along the west coast.

To learn more about wave refraction, visit the following web sites:

Snell's Laws, **Department of Geological Sciences, Northwestern University**

Read about the effect of media velocity on reflection and refraction of seismic waves.

To learn more about the interior of the Earth, visit the following web sites:

Earth's Interior, **Nevada Seismological Laboratory**

Find out more about how scientists understand the Earth's interior.

Inside the Earth, **USGS**

Read a brief description, with figures, of the internal structure of the Earth.
