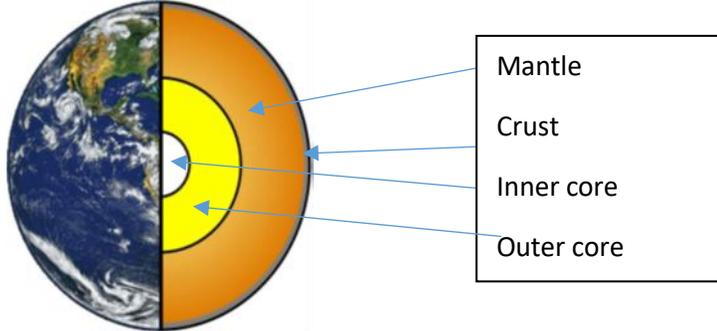




What will I be learning?

We are going to learn about the differences in the earth's crust. How and what cause Earthquakes and tsunamis and the effects they have on the land around them.



Interesting Facts:

- An underwater earthquake, a volcano eruption or a landslide mostly causes a tsunami.
- Tsunami waves can be as huge as 100 feet
- About 80% of the tsunamis occur in the Pacific Ocean's Ring of Fire.
- The largest earthquake ever recorded in the world was in Chile in 1960.
- Movement of tectonic plates has formed large mountain ranges like the Himalayas and the Andes.

Earthquakes usually occur on the edges of large sections of the Earth's crust called tectonic plates.

Generally before and after a large earthquake there will be smaller earthquakes, called pre-shocks and aftershocks.

Scientists use seismic waves to measure how big an earthquake is.

An earthquake is measure on the 'Richter Scale'

Tsunamis are sometimes called tidal waves they have nothing to do with the ocean's tides.

The series of waves generated by a tsunami is called a wave train.

The first wave of a tsunami may not be the biggest. ...

Key Vocabulary

Earthquake	movements, fractures and vibrations in the earth's crust as tectonic plates move
Tsunami	a series of waves of water caused by the movement of tectonic plates below the surface
Tectonic plate	a massive slab of rock that 'floats' on top of the mantle (and inner layer) of the Earth
Mantle:	The semi-molten layer below the earth's crust.
Crust:	The thin, rocky outer layer of the earth. It is broken into many different plates.
Plate boundary	where two tectonic plates meet

Useful web pages

- <https://easyscienceforkids.com/all-about-earthquakes/>
- <https://www.3dgeography.co.uk/earthquakes>
- http://www.weatherwizkids.com/?page_id=100

Try it at home...

How can you keep yourself safe when an earthquake hits?

Imagine you are a survivor of an Earthquake or Tsunami. Write how you would feel.

Make a model of the 4 main areas of the earth's crust.

If an earthquake occurs in Los Angeles at 2pm, what would the time be in Sydney when there is a +19hour difference? What would the time be in Honolulu when it is 2hours behind Los Angeles?

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