



What will I be learning?

Enquiry Questions?

- When was the first earthquake recorded?
- Which part of the world do earthquakes occur the most?
- When was the first tsunami recorded?
- How many earthquakes occur daily?
- How many tsunamis have there been in the last 10 years?

We will be

learning that in the world we live in, we experience a range of extremes weathers, which happen both on land and in water. We will be focusing on earthquakes and tsunamis this half term.

An earthquake is the sudden movement or trembling of the Earth's tectonic plates that creates the shakes of the ground. This shaking can destroy buildings and break the Earth's surface. Sudden shake under water is called tsunami.

A tsunami is a sequence of huge waves of water that usually occur in oceans or large lakes. Tsunamis are caused by disturbances within the surrounding areas; they are usually caused by underwater earthquakes, volcanic eruptions and landslides.

Interesting facts about earthquakes and tsunamis

- Almost 80% of all the planet's earthquakes occur along the rim of the Pacific Ocean, called the 'Ring of Fire'; a region that encircles the Pacific Ocean and is home to 452 volcanoes.
- The largest recorded earthquake in the world was a magnitude 9.5 in Chile on May 22, 1960.
- Alaska is the most earthquake-prone state in the world.
- The word 'tsunami' means 'harbor wave in Japanese,
- Tsunami waves can be as huge as 100 feet.

Key Vocabulary

Tectonic plate	Earth's thin outer shell that broken into big pieces.
Seismologists	A scientist who studies earthquakes.
Richter scale	A system for measuring the strength and intensity of earthquakes.
epicentre	The part of the earth's surface directly above the focus of an earthquake.
Ring of fire	Path along the Pacific Ocean where there are many active volcanoes and frequent earthquakes.
Tectonic shift	The movement of the plates make up Earth's crust.

Useful web pages:

https://kids.kiddle.co/Natural_disaster

<https://www.nationalgeographic.com/environment/topic/natural-disasters-weather>

Try it at home...

- Can you design your own Richter scale?
- Design a poster to inform others of what strategies to employ during an earthquake
- Create a piece of art learning that a tsunami