

# Learning Organiser: Earthquake Year 4



*Why do some earthquakes cause more damage than others?*

## What do we know?

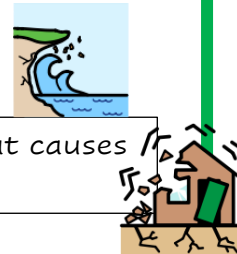
- ★ Know what there are 7 continents and 5 oceans
- ★ Know that our world is made up of land and sea.
- ★ Know how a location can change from physical events.



1. Why won't people of New Zealand forget about the 22<sup>nd</sup> February 2011?



2. What is an earthquake and what causes them?

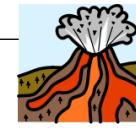


3. Recap our town, county, country, continent and locate Christchurch, NZ compared to South Molton.

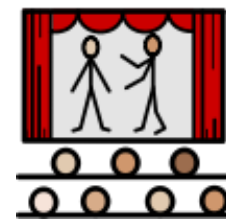
4. Why does New Zealand have so many earthquakes and how has it affected the community?

5. Why do some earthquakes cause more damage than others?

6. Why do most volcanoes happen in the same place as earthquakes?



7. How do earthquakes cause tsunamis?



## Vocabulary

- Pattern
- Magnitude
- Tsunami
- Earthquake
- Epicentre
- Mantle
- Core
- Magma
- Ritcher scale
- Volcano
- Tectonic plate
- Crust
- Fault

**Big Ideas-** Location, physical feature, sustainability, diversity.



## Forever Facts

- ★ Know why the largest earthquakes don't always cause the most destruction and damage.
- ★ Know how earthquakes are caused.
- ★ Know that earthquakes and volcanoes often occur in the same locations

## Where will it go?

### Showcase

So... why do some earthquakes cause more damage than others? Create a poster to summarise the different reasons why some of the largest earthquakes don't always cause the most destruction.

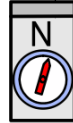
# Learning Organiser: **Water conservation** Year 4



1. How did the Elan aqueduct help Birmingham in 1800s?

**Where is the most valuable thing in the world and who owns it?**

2. Why does Birmingham get its water from Wales?



3. How did the building of reservoirs change the middle of Wales.



4. Why is water our most precious natural source?

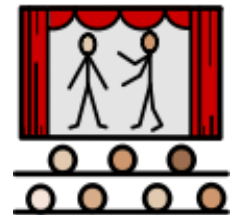


5. How can we conserve our water resources?

6. Local study: Where is Wimbleball dam and who does it supply water to?

## Vocabulary

- Pattern
- Non-renewable
- Epidemic
- Urban
- Reservoir
- River
- Virtual
- Renewable
- Disease
- Cholera
- Rural
- Mountain
- Consumption
- Sustainable



## What do we know?



**Know why** there are different physical and human features at North Devon compared with Queensland.



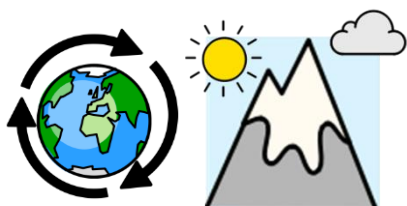
**Know why** there are human and physical features on coasts.



**Know that** continents that have a coast and the oceans that meet the land.



**Big Ideas- Physical features, human processes**



## Forever Facts



**Know what** a reservoir is and why water is our most precious natural resource.



**Know why** the Cambrian Mountains is a suitable location for a reservoir.



**Know how** the Elan Valley has changed.

## Where will it go?

### Showcase

Summer term trip to Wimbleball lake.

Leaflet to convince people how precious water is and how to conserve it.