



Objectives and Sticky Knowledge

Previous Knowledge Recap:

Identify the following physical features: mountain, lake, island, valley, river, cliff, forest and beach.
Explain some of the advantages and disadvantages of living in a city or village.

Land Objectives and Sticky Knowledge:

To know about different types of extreme weather	To identify where in the world we experience these types of	To know the advantages and disadvantages of extreme weather.	Know and name the eight points of a compass
<p>*Know what causes an earthquake and the different levels</p> <p>*know how a volcano is caused and label the different parts of a volcano</p> <p>*to understand how tsunamis are formed</p> <p>*to know how tornadoes are formed</p>	<p>*To research about where the tornadoes alley and the ring of fire are.</p> <p>*To use map skills to find places such as America and Hati</p>	<p>*to know the advantages of a volcano eruption on the environment (good for the crops)</p> <p>*to know the disadvantages of a volcano eruption (damage, loss of lives etc)</p>	<p>*Know what a compass is</p> <p>*Know they key points such as North, East, South, West, North East, North West, South East, South West</p>

Links with ‘Communication’ Golden Thread:

Links with CST and CKA Values Crown:

Year 3 Geography – Extreme Earth Knowledge Organiser



Volcanoes

- Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing **magma** to sometimes **erupt** through it.
- Active volcanoes have **erupted** in the last 10 000 years.
- Dormant volcanoes haven't **erupted** in the last 10 000 years but may erupt again.
- Extinct volcanoes aren't expected to **erupt** again.



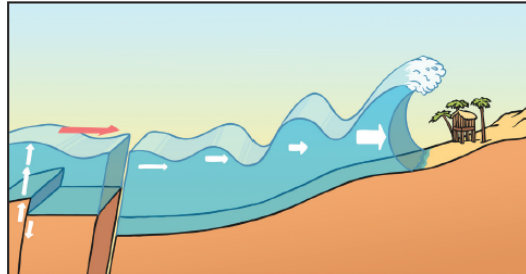
Tornadoes

- A tornado is a swirling funnel of air that forms when warm air rises from near the ground into big **cumulonimbus clouds**.
- There can be thunder and lightning at the same time.
- You can see tornadoes due to the dust and water droplets caught in the clouds.
- Storm chasers are film-makers and scientists who head towards the storms. They film the tornadoes and collect data about them.
- Most tornadoes happen in Tornado Alley in America – more than 500 each year.
- Tornadoes can happen in the UK but only around 30 per year.



Tsunamis

- A tsunami is a giant wave caused by a huge earthquake under the ocean.
- The earthquake causes a large amount of water to be displaced very quickly causing a series of waves.
- As the waves travel through shallower water near land, they get bigger and bigger. The wave crashes onto the land causing devastation to buildings and sometimes even lives.



Earthquakes

- Earthquakes are caused when the earth's **tectonic plates** suddenly move.
- Most earthquakes occur near the **tectonic plate** boundaries.
- Earthquakes can cause lots of damage to roads, buildings and property.



Sky Objectives:

1. Know the main differences between living in the UK and a Mediterranean Country.
2. Know the land use around a volcano, how it has changed over time and the impact this has had
3. Know and name the eight points of a compass Know the names of and locate European countries and capitals