

Natural Disasters

	Year	Year 5/6	Main focus	Geography topic	
	Key places			Key information	
	<p>Pacific Ocean – The Ring of Fire is a major area in the basin of the Pacific Ocean where many earthquakes and volcanic eruptions occur</p> <p>Mount Etna- an active stratovolcano (a volcano built up of layers of ash and lava) on the east coast of Sicily, Italy</p> <p>Mount Vesuvius- a volcano located on the Gulf of Naples, Italy. Best known for its eruption of 70 CE where it buried entire cities including Pompeii.</p>			<p>A natural disaster is an event caused by nature, such as: floods, volcanic eruptions, tropical storms, tornados, landslides, wildfires and many more. These events cause lots of damage to the communities and locations where they occur. This damage is often to people’s homes, and therefore they cost countries lots of money to rebuild and repair after an event. Often, a natural disaster will result in people dying.</p>	

Chronological Knowledge	Deadliest natural disasters in the last 100 years		
	Disaster	Year	Death Toll
	Haiti Earthquake	2010	160, 000
	Indian Ocean earthquake and tsunami	2004	280,000
	Tangshan earthquake (China)	1976	242,000 – 655,000
	Typhoon (China)	1975	229,000
	Bhoala Cyclone (Bangladesh)	1970	250, 000 – 5, 000, 000
	Yangtze River Flood (China)	1935	145, 000
	China Floods	1931	1-4million
	Haiyuan Earthquake (China)	1920	273, 400
Key vocabulary	<p>Hurricane – a tropical storm giving strong rotating winds that form over warm water – over North Atlantic Ocean and North east Pacific Ocean</p> <p>Tornado - strong rotating winds that form over land.</p> <p>Cyclone – a tropical storm that forms over the South Pacific Ocean and Indian Ocean</p> <p>Typhoon – a mature tropical cyclone which forms in the Northern Hemisphere – North West Pacific Basin</p> <p>Earthquake - a violent shaking of the earth</p> <p>Volcano – a mountain that erupts lava</p> <p>Tsunami – a large, powerful waves caused by earthquakes or volcanic eruptions under the water</p> <p>Tectonic Plates – layers of earth which move and make up the earth’s surface</p> <p>Floods – an overflow of water which submerges land which is usually dry</p> <p>Droughts – prolonged shortage in the water supply</p>		
Useful resources/links	<p>https://www.nationalgeographic.com/environment/natural-disasters-weather/</p> <p>https://www.weatherwizkids.com/?page_id=91</p> <p>https://kids.britannica.com/kids/article/natural-disasters/609706</p>		
Computing links	Theme pack – ICT123 –		

Geography skills based knowledge

Skills	Possible evidence
<p>To describe and understand key aspects of physical geography (such as, rivers, mountains, hurricanes, tornados, earthquakes, volcanic eruptions, and floods – including a knowledge of the water cycle).</p> <p>To develop our use of geographical knowledge, understanding and skills to enhance our locational and place knowledge.</p>	See Below

What pupils need to know or do to be secure		
Key learning	Suggested activities	Possible evidence/assessment
<ul style="list-style-type: none"> • What is a mountain and how are they formed? • Where are mountains and mountain ranges • Why do people climb mountains and what disasters can occur? • Earthquakes and plate tectonics • What happens when an earthquake strikes? • Living in an earthquake zone • Earthquake survival • What happens when a Tsunami strikes? • Find out about a key event in recent history involving a Tsunami • What are Hurricanes, Cyclones and Tornadoes – find out the key features and differences between these? • What happens when one of these storms strikes? • Discussion – is a famine a natural disaster? <p>NOT INCLUDING VOLCANOES AT THIS TIME AS CLASS HAVE PREVIOUSLY STUDIED VOLCANOES IN YEAR 3/4</p>	<p>Study the physical geography of mountains and mountain ranges, their formation, some famous expeditions and also mountain biodiversity.</p> <p>Learn about the features and key aspects of earthquakes. Find out about the movement of tectonic plates and about seismic waves. Learn about life in an earthquake zone; compile and practise a class earthquake drill; find out how buildings are built to withstand earthquakes.</p> <p>Learn about the features and key aspects of Tsunamis. Find out about a key event in recent history involving a Tsunami</p> <p>Learn about the key features and differences between the storm’s hurricanes, tornadoes, and cyclones</p> <p>Learn about what causes a famine and discuss whether this would be a natural disaster – droughts and floods.</p>	<p>Mountains</p> <p>Learn about the formation of mountains and gain an understanding of how they are formed.</p> <p>Be able to identify the five different types of mountains (dome, volcanic, plateau, fault-block, fold) and be able to explain how they are formed.</p> <p>Discuss what mountains and mountain ranges there are and where they are in the world, after looking at the location and also discussing the difference between mountains and mountain ranges.</p> <p>Identify key features of types of mountains and mountain ranges.</p> <p>Locate key mountains and ranges on different continents</p>

and mark them on a world map, adding information about what type of mountain formation they are.

Why have people chosen to climb mountains? What disasters may strike whilst doing so?

Earthquakes

Describe and understand key aspects of earthquakes.

Understand how tectonic plates work and what happens when they move

Identify the layers of the earth and how earthquakes occur.

Consider the effects felt at the surface of the Earth when tectonic plates move

Understand what seismic waves are and what effect they have during an earthquake.

Gain an understanding of life in an earthquake zone and become familiar with the precautions and preparations required.

Compile an earthquake drill for their class, based on their

		<p>knowledge of how their surroundings may behave in an earthquake.</p> <p>In role, practise an earthquake drill in the classroom.</p>
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Links to English	Using texts Hurricane and Flood for descriptive writing and poetry. Information reports on different types of natural disasters. Newspaper report on Boxing Day Tsunami.
Links to maths	
Links to other humanities	Key events in recent History – Boxing Day Tsunami Notable figures in History – Edmund Hilary and Sherpa Tenzing – Also Squash Falconer as modern female mountaineer
Links to the arts	
Other curriculum links	Science – Water Cycle and Rivers (How do Rivers get their Water) IT – Research Boxing Day Tsunami 2004