Owls Year 4/5 - Spring 2 (B)

<u>Geography: Extreme Earth</u> - <u>Thread : The Natural World</u>

Essential Question: Are earthquakes merely a physical phenomena?



What I should already know: I understand the dangers of extreme weather. I know about the three types of rock (igneous, sedimentary and metamorphic) and how each are formed.

E.	anim Anastiana.	Key Vocabulary	Geographical Skills
<u>Cn</u>	<u>quiry Questions:</u>	<u>Active</u> – A volcano which is either erupting or is likely to erupt in the future.	Pupils will:
•	How are volcanoes	Aid organisation - An organisation that provides money or assistance to people who have been	Locational Knowledge
	formed and what	affected by natural disaster, war or other circumstances that prevent them from being able to	• Locate the world's countries, using maps to
		help themselves.	focus on Europe.
	happens when they	<u>Crater</u> – A hollow area, shaped like the inside of a bowl, found at the mouth of a volcano.	
	erupt?	<u>Dormant</u> – A volcano that has not erupted in a long time but there is the possibility that it could	<u>Place Knowledge</u>
	•	erupt in the future.	 Understand geographical similarities and
•	What causes	<u>Earthquake</u> – A shaking or other movement of part of the earth's surface, caused by movement	differences through the study of human and
	earthquakes and	deep within the earth.	physical geprgraphy of a region in a European
	•	<u>Epicentre</u> – The point on the earth's surface directly above the central source of an earthquake.	country.
	how are they	Eruption – When a volcano breaks open, sending out hot melted rock and ash.	
	measured?	<u>Extinct</u> – A volcano that is not expected to erupt again in the future.	Human and Physical Geography
		<u>Fault lines</u> – Places where tectonic plates meet together.	• Describe and understand key aspects of
•	Which areas were	<u>Human Geography</u> - the branch of geography that studies how people and the environment have an	physical geography, including volcanoes and
	affected by the	effect on each other.	earthquakes
	2	<u>Magma</u> – Hot, liquid matter beneath the earth's surface that cools to form igneous rock. Magma	• Human geography including types of settlement
	recent earthquake	that reaches the earth's surface, as when a volcano erupts, is called lava.	and land use due to displacement e.g
	and how are people	<u>Magma chamber</u> – Part of a volcano where the molten rock is stored beneath the ground	undercovered markets being used as emergency shelter.
		<u>Magnitude</u> – The size or extent of an earthquake. <u>Main vent</u> – The channel inside a volcano through which magma travels to reach the earth's	sneller.
	helping?	<u>iotain vent</u> – The channel inside a voicand chrough which magma cravels to reach the earch's surface.	Geographical Skills and Fieldwork
•	What causes	Mercalli scale – A 12-point scale for describing the intensity of earthquakes.	 Use maps, atlases, globes and digital/computer
	tsunamis?	Natural disaster – Disasters caused by nature, such as tornadoes, earthquakes and tsunamis.	mapping to locate countries and to describe
	Ls'unamis':	Physical Geography – The branch of geography dealing with natural features (not man-made)	features studied.
•	Which was more	<u>Richter scale</u> – A numerical system used to measure the magnitude of an earthquake.	
	severe: the	Shock wave – An area of very high pressure moving through the air, earth or water, caused by an	Ask geographical questions
		explosion or earthquake.	Conduct georgrpahical research
	Turkey/Syria	Tectonic plates - Rocky sections of the earth's crust, which fit together like a puzzle.	
	earthquake of 2023	<u>Tsunami</u> – A very large, often destructive, sea wave that is caused by an earthquake or explosion of	
	•	a volcano under the ocean.	
	or the Indian Ocean	<u>Volcano</u> - An opening in the earth's crust through which melted rock, ash and gases are forced	
	tsunami of 2004?	out, or a mountain or hill made from melted rock that builds up around such an opening.	

