





Lower Key Stage 2 - Essential Knowledge Geography



Earthquakes and volcanoes: plate tectonics

Retrieval Lesson -	Knowledge categories	Essential knowledge and tasks 1	Essential knowledge and tasks 2	Essential knowledge and tasks 3
<p>-This unit builds on the previous unit on Mountains.</p> <p>-Ask the children to remember back to when they were in Year 2 and they learnt about space, particularly the moon landings. What did they discover the surface of the moon was like? I hope that the children can remember that the moon's surface has volcanoes, they are not active at the moment and they can tell you some information about this. The Moon also has plains made of lava that erupted from volcanoes billions of years ago.</p> <p>-Do we have earthquakes in England? Discuss how between 200 and 300 earthquakes are detected and located in the UK, by the British Geological Survey annually.</p> <p>- The most recent volcanic eruption was Mt. Etna,</p>	 <p>Physical features</p>	<p><u>Tasks</u></p> <p>-Label and describe the Earth's:</p> <p>Core Outer core Mantle Crust</p> <p>-Describe what tectonic plates are.</p> <p>-What are the boundaries of tectonic plates called?</p> <p>-Locate and label on a world map the main tectonic plate boundaries.</p>	<p><u>Tasks</u></p> <p>-Compare and contrast the Earth's crust and mantle.</p> <p>-Explain the physical features of a volcano.</p> <p>-What are the similarities and differences in the physical features of a volcano and a mountain?</p>	<p><u>Tasks</u></p> <p>-Investigate how the world's continents have changed in appearance since the creation of Earth.</p>
	 <p>Physical processes</p>	<p><u>Knowledge</u></p> <p>- What does the term 'plate tectonics' mean?</p> <p>-What happens when tectonic plates move?</p> <p><u>Tasks</u></p> <p>-Describe the three ways in which tectonic plates move and what happens as a result.</p>	<p><u>Tasks</u></p> <p>- Categorise the Earth's main tectonic plates in terms of how they are moving.</p> <p>-Explain the tectonic process that would lead to an earthquake.</p> <p>-Explain the physical process that would result in a mountain range being formed.</p>	<p><u>Knowledge</u></p> <p>-True or False? A collision between plates is required for an earthquake to occur.</p>



<p>Europe's largest active volcano.</p> <ul style="list-style-type: none">-Locate and mark Mt Etna on a map of Italy.-The closest active volcano to the United Kingdom is Vesuvius in Italy.-Locate and mark Mt Vesuvius on a map of Italy.				
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