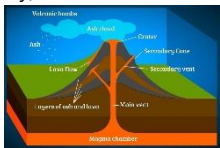
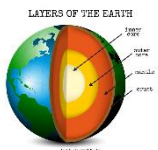




Leamington Primary Geography Knowledge Organiser Year 3 – Angry Earth



What I should already know	What I will learn	Important words to help me. (vocabulary)	Skills and Fieldwork																												
<p>The seven continents and five oceans of the world. The location of some countries, including the UK and Kenya. What climate means and how it effects the vegetation in an area</p>	<p>A volcano is a very deep hole in the Earth's top layer that can let out hot gasses, ash and lava. Many volcanoes are also mountains. Volcanoes have long vents that go all the way down through the Earth's first layer, the crust, to magma in between the crust and the mantle (the Earth's second layer). It's so hot there that rocks melt into liquid. This is called magma, which travels up through volcanoes and flows out as lava.</p> <p>There are three ways to describe a volcano and explain what it's doing - active, erupting, and dormant</p> <p>When a volcano erupts, magma comes up and out through the vents. Magma is called lava when it's outside the volcano.</p> <p>Some volcanoes are underwater.</p> <p>There are no volcanoes in the UK. The largest volcano in Europe is Mount Etna in Sicily (Italy).</p> <p>The Earth has three layers - the crust at the very top, then the mantle, then the core at the very middle of the planet.</p> 	<table border="1"> <tr> <td>active</td> <td>An active volcano has erupted recently or is expected to erupt quite soon</td> </tr> <tr> <td>dormant</td> <td>A volcano is dormant if it has not erupted for a long time</td> </tr> <tr> <td>extinct</td> <td>A volcano that is extinct has erupted in the past but will not erupt again</td> </tr> <tr> <td>continent</td> <td>a very large area of land that consists of many countries. Europe is a continent.</td> </tr> <tr> <td>erupt</td> <td>When a volcano erupts, it throws out a lot of hot, melted rock called lava, as well as ash and steam</td> </tr> <tr> <td>volcano</td> <td>an opening in the Earth's crust where red-hot rocks and gas break to the surface from underground.</td> </tr> <tr> <td>molten</td> <td>Molten rock, metal, or glass has been heated to a very high temperature and has become a hot, thick liquid</td> </tr> <tr> <td>tectonic plates</td> <td>any of the several segments of the Earth's crust that move</td> </tr> <tr> <td>magma</td> <td>molten rock that is formed in very hot conditions inside the earth</td> </tr> <tr> <td>layers</td> <td>If something has many layers, it has many different levels or parts</td> </tr> <tr> <td>crust</td> <td>The Earth's crust is its outer layer</td> </tr> <tr> <td>mantle</td> <td>The layer of the earth closest to the crust</td> </tr> <tr> <td>outer core</td> <td>the second to last layer of the Earth. It is a magma like liquid layer that surrounds the Inner Core and creates Earth's magnetic field.</td> </tr> <tr> <td>inner core</td> <td>the very center of the Earth, and the hottest part of the planet.</td> </tr> </table>	active	An active volcano has erupted recently or is expected to erupt quite soon	dormant	A volcano is dormant if it has not erupted for a long time	extinct	A volcano that is extinct has erupted in the past but will not erupt again	continent	a very large area of land that consists of many countries. Europe is a continent.	erupt	When a volcano erupts, it throws out a lot of hot, melted rock called lava, as well as ash and steam	volcano	an opening in the Earth's crust where red-hot rocks and gas break to the surface from underground.	molten	Molten rock, metal, or glass has been heated to a very high temperature and has become a hot, thick liquid	tectonic plates	any of the several segments of the Earth's crust that move	magma	molten rock that is formed in very hot conditions inside the earth	layers	If something has many layers, it has many different levels or parts	crust	The Earth's crust is its outer layer	mantle	The layer of the earth closest to the crust	outer core	the second to last layer of the Earth. It is a magma like liquid layer that surrounds the Inner Core and creates Earth's magnetic field.	inner core	the very center of the Earth , and the hottest part of the planet.	<p>*Describe the layers of the earth using key vocabulary.</p> <p>Locate tectonic plates on a map.</p> <p>*Locate key mountain ranges around the world.</p> <p>*Investigate and compare different mountains around the world, looking at height, vegetation, animals that live there and the range of the mountains.</p> <p>*Discuss the climate of mountains and explain why this may be the case.</p> <p>*Locate volcanoes around the world. *Locate where earthquakes have happened.</p> <p>*Discuss what you notice about the location of volcanoes and earthquakes and the edges of tectonic plates.</p>
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<p>Interesting Facts</p>	<p>There are no volcanoes in the UK. The largest volcano in Europe is Mount Etna in Sicily (Italy).</p>																														
<p>Volcano, the word, comes from the name of the Roman god of fire, Vulcan.</p> <p>Hot liquid rock under the Earth's surface is known as magma, it is called lava after it comes out of a volcano.</p>	<p>The Earth's crust is made up of huge slabs called tectonic plates, which fit together like a jigsaw puzzle. These tectonic plates slowly move over a long period of time.</p> <p>The tectonic plates have edges and sometimes the edges, which are called fault lines, can get stuck, but the plates keep moving. Pressure slowly starts to build up where the edges are stuck and, once the pressure gets strong enough, the plates will suddenly move causing an earthquake.</p> 																														
<p>The inner core is said to spin at a different speed to the rest of the planet causing the Earth's magnetic field.</p>																															