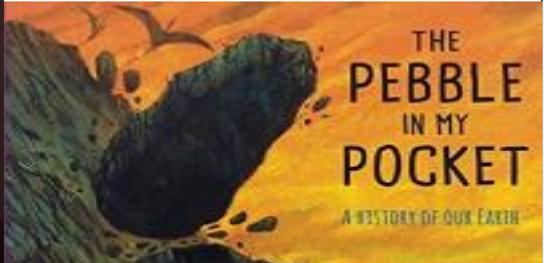


# Volcanoes and Earthquakes KS2 Knowledge Mat

Subject Specific Vocabulary			Exciting Books	
<b>eruption</b>	An explosion of steam or lava from a volcano.		<p style="text-align: center;"><b>Sticky knowledge about volcanoes</b></p> <p><input type="checkbox"/> <b>Volcanoes</b> are caused when magma rises to the surface of the Earth, which causes bubbles of gas to appear in it. This gas can cause pressure to build up in the mountain, and it eventually explodes.</p> <p><input type="checkbox"/> <b>Earthquakes</b> are usually caused when rock underground suddenly breaks along a fault. This sudden release of energy causes the seismic waves that make the ground shake.</p> <p><input type="checkbox"/> There are more than 1500 <b>active volcanoes</b> on the Earth and more than 80 volcanoes under the sea, though these are just the ones that have been discovered.</p> <p><input type="checkbox"/> The <b>'Ring of Fire'</b> is an area of the Pacific Ocean that contains 452 volcanoes. That's 75% of the whole world's volcanoes.</p>	 
<b>aftershock</b>	A shaking event that follows an earthquake. Sometimes more damaging than the original earthquake.	<p><input type="checkbox"/> <b>Earthquakes</b> are usually caused when rock underground suddenly breaks along a fault. This sudden release of energy causes the seismic waves that make the ground shake.</p>		<p><input type="checkbox"/> The word <b>'volcano'</b> comes from the island 'Vulcano', which is an island in Italy.</p>
<b>outer core</b>	A liquid layer of the Earth, made out of molten iron and nickel.			
<b>magma</b>	Hot fluid or semi-fluid material below or within the Earth's crust from which lava is formed.	<p><input type="checkbox"/> There are more than 1500 <b>active volcanoes</b> on the Earth and more than 80 volcanoes under the sea, though these are just the ones that have been discovered.</p>		<p><input type="checkbox"/> The island 'Vulcano' gets its name from the Roman God of fire- <b>Vulcan</b>.</p>
<b>lava</b>	Hot, molten or semi-fluid rock erupted from a volcano, or solid rock resulting from cooling of this.			
<b>dormant</b>	A dormant volcano is an active volcano that has not erupted in the past 10,000 years.	<p><input type="checkbox"/> The <b>'Ring of Fire'</b> is an area of the Pacific Ocean that contains 452 volcanoes. That's 75% of the whole world's volcanoes.</p>		<p><input type="checkbox"/> The planets <b>Mercury</b> and <b>Mars</b> also have extinct volcanoes.</p>
<b>Inner core</b>	The hottest layer, in the very centre of the Earth.			
<b>magnitude</b>	If you talk about the magnitude of something, you are talking about its great size			
<b>landslide</b>	A collapse of a mass of earth or rock from a mountain or cliff			
<b>tectonic plates</b>	The Earth's outer shell is made up of huge slabs of moving rock called tectonic plates.			
<b>Earth's Crust</b>	The outermost layer of the Earth.			
<b>extinct</b>	A volcano which has erupted thousands of years ago and probably will never erupt again.			

## More Sticky Knowledge