



Year:	3	Topic:	What if the ground started to move?
NC Objectives:	describe and understand key aspects of: ♣ physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes , and the water cycle		

Links to Prior Learning	Links to Future Learning
Y1 Antarctica- where is it? Y1 What if you got lost at sea?	Y6 Could you survive?

Knowledge	Key
<p>Volcanoes</p> <ul style="list-style-type: none"> • Understand how tectonic plates work. • Identify the layers of the earth and how volcanoes are formed. • Discuss what happens on the edge of a plate and where plates are located in the world. • Identify the Ring of Fire and discuss why it exists. • Study the features of extinct, dormant and active volcanoes. • Discuss the inside of a volcano using diagrams and focusing on the layers and structure of a volcano intersection. • Understand the difference between magma and lava. • Discuss what happens when a volcano erupts and why. <p>Earthquakes</p> <ul style="list-style-type: none"> • Understand how tectonic plates work. • 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 happens with tectonic plates move. • Understand what seismic waves are and what effect they have during an earthquake. • Learn how seismic waves are recorded. • 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 knowledge of how their surroundings may behave in an earthquake. • Understand how buildings are designed to withstand earthquakes. • Identify some of the factors that make buildings earthquake-proof, including cross bracing, large 'footprints' and tapered geometry. 	<p>Volcano</p> <p>Crust</p> <p>Vent</p> <p>Crate</p> <p>Fault</p> <p>Core</p> <p>Conduit</p> <p>Ash</p> <p>Mantle</p> <p>Sill</p> <p>Eruption</p> <p>Ring of fire</p> <p>Magma</p> <p>Active</p> <p>Dormant</p> <p>Extinct</p> <p>Mercalli scale</p> <p>Tsunami</p> <p>Plate tectonics</p> <p>Rescue</p> <p>Richter scale</p> <p>Crust</p> <p>Aid</p> <p>Tremors</p> <p>Epicentre</p> <p>Destruction</p> <p>Rubble</p> <p>Seismic wave</p> <p>Magnitude</p> <p>Continent</p> <p>Seismograph</p>