

<p>YEAR 5 – SPRING TERM 1 EXTREME EARTH</p>	<p>Science: Properties and changes of materials</p>	<p>Geography:</p>	<p>Key Questions:</p>
<p>Design Technology: Design and make a shelter, that will withstand an earthquake.</p>	<p>*Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</p>	<p>Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities</p>	<p>*What is an earthquake? What is a volcano? *Where in the world do earthquakes and volcanoes occur?</p>
<p>Art: Andy Warhol inspired volcano artwork - Vesuvius Naples,</p>	<p>*Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p>	<p>Human and Physical Geography:</p>	<p>* Why do earthquakes and volcanoes occur? * What happens when a volcano erupts? * What happens when there is an earthquake? *How are people effected who live nearby?</p>
<p>English: We will continue to develop our knowledge and understanding of Year 5 grammar - relative clauses, relative pronouns, modal verbs, bullet points and parenthesis. We will be reading extracts from Violent Volcanoes and Earth-Shattering Earthquakes (Horrible Geographies), non-fiction books and using newspaper reports. We will be writing a newspaper report, a non-chronological report about earthquakes and an information text.</p>	<p>*Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating *Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic *Demonstrate that dissolving, mixing and changes of state are reversible changes *Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</p>	<p>Describe and understand key aspects of physical geography, including: volcanoes and earthquakes</p>  <p>Cross-Curricular Maths: Heights of world's largest volcanoes Statistics - graph work, tables linked to earthquakes and volcanoes Word problems Richter scales</p>	<p>Citizenship: *Which charities and organisations help in the aftermath of a volcano or earthquake? In what ways do the charities help and support victims of natural disasters? What can we do to help victims in other countries?</p> <p>S.M.S.C. (Jigsaw) Our Jigsaw work will explore 'Dreams and Goals'.</p>

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