

# BARNSTON PRIMARY SCHOOL MEDIUM TERM PLANNING



**SUBJECT: Volcanoes and Earthquakes**

**YEAR GROUP: 3/4**

**YEAR IN CYCLE: 1**

	<b>NATIONAL CURRICULUM</b>	<b>ADDITIONAL SCHOOL CURRICULUM</b>
<b>Spring Term</b>	<p><b>Geography</b></p> <ul style="list-style-type: none"> <li>Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.</li> <li>Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America.</li> <li>Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.</li> <li>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.</li> </ul> <p><b>Art</b></p> <ul style="list-style-type: none"> <li>To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay].</li> </ul> <p><b>Design and Technology</b></p> <ul style="list-style-type: none"> <li>Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.</li> <li>Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.</li> <li>Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.</li> </ul>	<p>Study of Volcanoes and Earthquakes.</p> <p>Study of Pompeii: What was it like before, during and after eruption in AD79. Compare Pompeii in AD79 and present day.</p> <p>Locate the Ring of fire on a map and using google maps.</p> <p>Locating different volcanoes and earthquakes on a map in different continents and expanding wider geographical knowledge of countries and islands around the world.</p> <p>Design, creation and evaluation of volcanoes and earthquake proof buildings. Create and explode volcanoes (in groups) using paper mache. Create earthquake proof building using straws and marshmallows.</p>

	<ul style="list-style-type: none"> <li>• Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.</li> <li>• Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</li> <li>• Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.</li> </ul>	
	<b>ENTERPRISE</b>	<b>SOCIAL, SPIRITUAL, MORAL &amp; CULTURAL</b>
<b>SCHOOL DRIVERS</b>	<p>Provide opportunities for children to solve problems that arise as they learn. Promote and provide opportunities for children to ask questions to further deepen their understanding and learning.</p>	<p>Promotion of British Values and culture. Able to work as part of a team or individually.</p>