



Explosive Nature

Year 5 | Autumn 2

CURRICULUM SPOTLIGHT: SCIENCE | GEOGRAPHY

ENQUIRY

What are the primary and secondary effects of natural disasters?

OUTCOMES

- Double page information spread on the forces of plate tectonics
- Comparative case study of two natural disasters

VOCABULARY

Geography: active, aftershock, ash, ashfall, caldera, composite, core, crater, crust, dormant, earthquake, epicentre, eruption, extinct, fault, faultline, fertile, friction, gas, geothermal, igneous, iron, lahar, lava, lithosphere, magma, magnitude, mantle, metamorphic, minerals, molten, plate tectonics, pressure, pyroclastic flow, range, Richter, rock (sedimentary), seismic, seismography, shield, structure, summit, subduction, tectonic plate, tsunami, upper mantle, valley, vent, volcanologist, water displacement.

KEY TEXTS

- Into the Volcano by Jess Butterworth
- Volcanoes and Earthquakes by Kathy Furgang
- Survivors by David Long and Kerry Hyndman

BACKGROUND KNOWLEDGE

- <https://www.nationalgeographic.com/environment/article/volcanoes>
- Rothery (2015) Volcanoes, Earthquakes and Tsunamis: A Complete Introduction
- <https://www.yout-ube.com/watch?v=VNGUdObDolK>

RESOURCES

Examples of different rocks, drawing materials, case studies of different natural disasters

CORE CURRICULUM LEARNING OUTCOMES

English	Mathematics	Physical Education	Art
<p>Spelling: Phonemes: o, oe, u/schwa, ue, ar, er, or, ow</p> <p>Devices for cohesion:</p> <ul style="list-style-type: none"> adverbials of place, time and number brackets dashes commas for parenthesis 	<ul style="list-style-type: none"> Common structures and the part-part-whole relationship Equivalence and compensation to calculate 	<p>Creative</p> <ul style="list-style-type: none"> Static balance – seated Static balance – floor balance Gymnastics Swimming 	<p>Painting and colour</p> <ul style="list-style-type: none"> Select colour for purpose explaining choices Discuss how colour can be used to express ideas, feelings and mood. Confidently control the types of marks made and experiment with different effects and textures <p>Printing</p> <ul style="list-style-type: none"> Gain experience in overlaying colours Start to overlay prints with other media Continue to experience in combining prints to produce an end piece Explore, experiment, plan and collect source material for future work
PSHCE	Spanish	Computing	Geography
<ul style="list-style-type: none"> Relationships & Sex Education Anti-Bullying 	<ul style="list-style-type: none"> What Is The Date? 	<p>Digital Literacy</p> <ul style="list-style-type: none"> Use search engines to find and compile information Use computers for a range of differed uses. Pupils can alter security settings on a range of devices <p>Develop typing skills and begin to use these independently</p>	<p>Explosive Nature</p> <ul style="list-style-type: none"> Understand the processes that give rise to key physical geographical features of the world and how they are interdependent. Describe and understand key aspects of: ☒ physical geography, including: volcanoes and earthquakes.
PRE	Science		
<p>Christianity: The Holy Trinity</p>	<p>Sustainability Education</p> <ul style="list-style-type: none"> Understand the importance of the energy transition including: (i) switching from high-carbon-emission energy resources to low-carbon natural resources; (ii) electrifying transportation ; (iii) designing highly efficient homes 		

