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| <p>Theme read: Suggestions below</p> <p>Eyewitness Volcano (Copies at Pegasus)</p> <p>Horrible Geography: Earth Shattering Earthquakes – Anita Ganeri (Copies at Peg.)</p> <p>The Firework Maker’s Daughter – Phillip Pullman</p> <p>Escape from Pompeii – Christina Balit</p> <p>Eight Days: A Story of Haiti - Edwidge Danticat ?</p> <p>The Pack of Pompeii ebook Twinkl</p> <p>Earth Shattering Events – Robin Jacobs (free to download from Booksfortopics.com)</p> <p>The science of natural disasters : the devastating truth about volcanoes, earthquakes and tsunamis - Alex Woolf and Andy Rowland (Illustrator) Science of... Paperback (published June 2018)</p> <p>Everything volcanoes and earthquakes - Kathy Furgang National Geographic kids : everything Paperback (published July 2018)</p> | <p>Year 4 (autumn): Enquiry Question</p> <h2>Can you make a city earthquake-proof?</h2> <p>Key driver: Creativity</p> <p>Key skills: Describe and understand key aspects of earthquakes and volcanoes</p> <p>Year Enquiry: Why on earth would you live here?</p> <p>Topics: Earthquakes and Volcanoes</p> | <p>Resources</p> <p>Maps, images, atlas, globe, list of earthquakes/volcanoes</p> |
| <p>Key Vocabulary:</p> <p>Earthquake, survivors, unaccounted for, Nepal, Nepalese, Kathmandu, Richter scale, landslide, avalanche, epicentre, New Delhi, tectonic plates, Mantle, Magma, Volcano, active, pumice, lava, eruption, extinct, crust, dormant, core, ash, dormant.</p> | | <p>Pupil Pledge</p> <p>Earthquake/Volcano music/dance/performance?</p> |

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| <p>Lesson 1 How are volcanoes formed?</p> | <p>Lesson 2 Where in the world are there volcanoes?</p> | <p>Lesson 3 What does a volcano look like on the inside?</p> | <p>Lesson 4 Living and survival when a volcano erupts</p> | <p>POP Quiz Children complete a non-chronological</p> |
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| <p>WALT: To identify the layers of the Earth and how volcanoes are formed.</p> <p>Outcome: To construct a cross section of the Earth.</p> | <p>WALT: To study the features of tectonic plates and the features of extinct, dormant and active volcanoes.</p> <p>Outcome: Create report/diagram on features.</p> | <p>What happens if/when a volcano erupts? Why does a volcano erupt?</p> <p>WALT: To discuss the inside of a volcano and understand the difference between magma and lava.</p> <p>Outcome: Identify the different stages of a volcanic eruption.</p> <p>(could create volcanic artwork, inspired by the work of artist Margaret Godfrey)</p> | <p>WALT: To understand the measures that must be put in place to support communities if and when a volcano erupts.</p> <p>Outcome: Children to show empathy when a natural disaster strikes.</p> | <p>report template about volcanoes.</p> |
| <p>Lesson 6 Key aspects of earthquakes and plate tectonics</p> <p>WALT: To understand some of the effects of plate tectonics</p> <p>Outcome: To understand the structure of the earth through diagrams and looking at the plates across the world.</p> | <p>Lesson 7 What happens when an earthquake strikes?</p> <p>WALT: To learn about the effects of seismic waves. To make a seismograph and understand how seismic waves are recorded and measured</p> <p>Outcome: To be able to understand the technical side of understanding how and why an earthquake happens and how it is measured.</p> | <p>Lesson 8 Living in an earthquake zone</p> <p>WALT: To gain an understanding of life in an earthquake zone.</p> <p>Outcome: This could be done through discussion in class. Using fact and opinion to support findings.</p> | <p>Lesson 9 Earthquake survival</p> <p>WALT: To understand why and how engineers construct earthquake proof buildings</p> <p>Outcome: To understand the purpose of forward thinking. To think about what we would need to get severe earthquakes.</p> | <p>Celebration Earthquake/Volcano music/dance/performance 3D volcano models</p> |

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| <p>Content: What will we learn? What are the core concepts?</p> <ul style="list-style-type: none"> Describe and understand key aspects of earthquakes. Describe and understand key aspects of volcanoes. Use maps, atlases, and globes to locate countries | <p>Coherence: How does this link to previous learning?</p> <ul style="list-style-type: none"> Extreme weather unit in ks 1 | <p>Creativity: How will we show we understand in multiple ways?</p> <ul style="list-style-type: none"> Be able to identify the layers of the earth and how earthquakes occur. To discuss the inside of a volcano and understand | <p>Compassion: What opportunities are there to teach compassion?</p> <ul style="list-style-type: none"> Understand life in an earthquake/volcano zone and are familiar with the precautions/preparations required. | <p>Community: What links are there to local resources?</p> <ul style="list-style-type: none"> Be able to understand the differences between a country that is prepared for earthquakes and |
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| <p>and describe features studied.</p> | | <p>the difference between magma and lava.</p> | | <p>volcano eruptions with a country/area that doesn't need to have these things in place.</p> <ul style="list-style-type: none">• How could we make Oxford earthquake-proof? |
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