Pilgrim Federation Curriculum Coverage Ideas and Resources for the Learning Theme: Volcanoes, Earthquakes & Mountains

Art & Design	Computing
Volcano inspired art – Turner to Warhol https://www.theguardian.com/artanddesign/gallery/2010/aug/01/art-volcano-warhol-turner https://www.twinkl.co.uk/search?q=volcano+art&c=244&ca=24&ct=sen&r=teacher Paul Cezanne (1839-1906) French impressionist and painter painted many pictures that depicted mountains. Giovanni Segantini (1858 – 1899), an Italian painter known for his large pastoral landscapes of the Alps. Earthquake art – making patterns from seismographs.	Interpret information from https://www.usgs.gov/natural-hazards/earthquake-hazards Which gives info about earthquakes in real time. https://www.bgs.ac.uk/geology-projects/earthquake-seismology/ Interpret information from: https://www.usgs.gov/products/data-and-tools/real-time-data/volcanoes Which gives info about volcanic eruptions in real time. https://www.bgs.ac.uk/geology-projects/volcanoes/ Use Google Earth to locate tectonic plates, which are visible (San Andreas Fault), volcanoes and mountains. Create your own model of Everest https://www.rgs.org/schools/teaching-resources/make-your-own-model-of-everest/

Design & Technology	Geography
Earth Food Tech – Making chocolate soil https://www.bbcgoodfood.com/user/243939/recipe/chocolate-soil-crumbs Making Rocky Road https://www.bbcgoodfood.com/recipes/easy-rocky-road Edible Sedimentary rock https://rainydaymum.co.uk/edible-sedimentary-rock-activity/ Edible Igneous Rock https://rainydaymum.co.uk/edible-igneous-rock-activity/ Geology Kitchen https://www.youtube.com/watch?v=pg_jKJFbA2A How to make edible rocks https://elementalscience.com/blogs/science-activities/67260355-how-to-make-edible-rocks-earth-science-activity	Naming and locating active and inactive volcanoes around the world. Look at 'The Ring of Fire' Look at the impact of living near a volcano. Understand that not all volcanoes are on the land. Understand plate tectonics and begin to name tectonic plates. Understand how fault lines are areas of greatest movement. Begin to understand how volcanoes and tectonic plates are linked. Understand that mountains form as the tectonic plate move and that mountains can form from inactive volcanoes. Name the highest peaks in the UK and be able to locate them on a map. Order heights of mountains. Understand how mountains are measured (metres above sea level). When using Ordinance Survey Maps understand how mountains are drawn (contours) https://teachers.thenational.academy/units/mountains-volcanoes-and-earthquakes-e02a What are mountains? https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zyhf3j6

	Tallest mountain in the UK https://www.bbc.co.uk/bitesize/topics/zttbcmn/articles/zxbk8hv Let's explore The Alps https://www.bbc.co.uk/bitesize/topics/z3fycdm/articles/zb3ywty What are volcanoes? https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zfhf3j6 What are earthquakes? https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/z7gkwnb https://app.discoveryeducation.co.uk/learn/channels/channel/30ce038c-6da3-4126-ab33-aef09b36ad22?embed=false&embed_origin=false Espresso Discovery – Mountains https://app.discoveryeducation.co.uk/learn/channels/channel/96866dc2-59e7-4dd0-bc37-fb181c5a5b84?embed=false&embed_origin=false Espresso Discovery – Volcanoes Mountains and Volcanoes – what are they? https://www.thenational.academy/teachers/programmes/geography-primary-ks2/units/mountains-and-volcanoes-what-where-and-why/lessons/mountains-and-their-features#slide-deck
History	**Music**
Look at impact of famous volcanic eruptions and earthquakes. https://www.usgs.gov/faqs/which-volcanic-eruptions-were-deadliest San Andreas Fault and how it has changed overtime. Famous Explorers who have scaled mountains like Everest & K2, Tenzing Norgay – 1914-1986	**Charanga Schemes of work** *Volcano song* *https://www.youtube.com/watch?v=bwTkTzdkVS4* *Dancing on the edge of a volcano – London Symphony Orchestra* *https://wwwyoutube.com/watch?v=NLismjNrX_o* *Epic Dark Music – Volcano Kingdom* *https://www.youtube.com/watch?v=lzVO4cC_0QA*

George Mallory 1886-1924 Sir Edmund Hilary 1919-2008 Look at the history of Mountain Rescue and how that was set up. https://www.mountain.rescue.org.uk/ Earthquake Rescue – how people are found http://news.bbc.co.uk/1/hi/world/americas/8459653.stm National Search and Rescue https://www.nsarda.org.uk/	
Physical Education	**Science**
See also RealPE Schemes of work. Cross country Look at mountain climbing. Visit climbing wall at UEA?	Changing Materials – Creating volcanoes Look at different types of rock formed from volcanoes. Rocks & soils – igneous, metamorphic & sedimentary rock forms. Permeable, Semi-permeable and impermeable rocks and soils. Rock Cycle Fossils (link to Stone Age to Iron Age) Link to local geography –soil and rock types found in the local area (West Runton Cliffs) Erosion, incl. coastal erosion. Changing state – water cycle (interchangeable process seeing it in action with mountains and volcanoes)
Modern Foreign Languages	**Other Ideas**

Naming volcanoes & mountains in native languages. Asking for help in different languages.	

English	Maths
https://livingmontessorinow.com/free-volcano-and-earthquake-songs-and-educational-videos/ **Fiction:** When the Mountains Roared by Jess Butterworth Chapter book The Abominables by Eva Ibbotson & Jamie Littler Chapter book King of the Cloud Forests by Michael Morpurgo Chapter book Bigfoot Mountain by Roderick O'Grady Chapter book Into the Volcano by Jess Butterworth Chapter book The Brockenspectre by Linda Newbery Chapter book The Mountain Rescue Dog by Juliette Forrest Chapter book Ratty's Big Adventure by Lara Hawthorne Picturebook Escape from Pompeii by Christina Balit Picturebook **Non-Fiction:** Everest by David Long & Stefano Tambellini Dyslexia-friendly Everest: The Remarkable Story of Edmund Hillary and Tenzing Norgay by Alexandra Stewart & Joe Todd Stanton Secrets of the Mountain by Libby Walden & Richard Jones Picturebook Pop-Up Volcano by Tom Vaillant Highest Mountain, Deepest Ocean by Kate Baker & Page Tsou Fact Planet: Volcanoes by Izzy Howell Majestic Mountains: Discover Earth's Mighty Peaks by Mia Cassany & Marcos Navarro Himalaya by Soledad Romero Marino & Maria Beorlegi Earth's Incredible Places: Everest by Sangma Francis & Lisk Feng **Song:** **Drama:**	Measure and scale (when using maps)

Courageous Advocacy	Developing Spirituality
Search and Rescue organisations: Mountain Rescue Earthquake Rescue charities Raise and awareness and support those that have been affected by volcanoes or earthquakes	