

**Pilgrim Federation Key Stage 2 Curriculum Coverage Ideas & Resources for the Learning Theme:  
Stone Age to Iron Age and Volcanoes, Earthquakes & Mountains**

Stone Age to Iron Age								
Science	Art & Design	Computing	D&T	Geography	History	Music	PE	MFL
<p>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</p> <p>Describe in simple terms how fossils are formed when things that have lived are trapped within rock – also look at Cromerian Period (Deep History Coast)</p>	<p>To create sketch books to record their observations and use them to review and revisit ideas.</p> <p>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] <i>Animal drawings, sculpture &amp; charcoal cave drawings.</i></p>	<p>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p> <p>How has computing supported insights into how stone age to iron age living.</p>	<p>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.</p> <p>Possibly think about creating things that the different time periods may have made to help them with day-to-day living.</p>	<p>Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water..</p>	<p>Pupils should be taught about changes in Britain from the Stone Age to the Iron Age.</p> <p>This could include: Late Neolithic hunter-gatherers and early farmers e.g. Skara Brae.</p>	<p><b><u>See also</u></b> <b><u>Charanga</u></b> <b><u>Schemes of work</u></b></p> <p>Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression – <i>Design and make a range of primitive instruments, drums shakers, rattles etc.</i></p>	<p><b><u>See also</u></b> <b><u>RealPE</u></b> <b><u>Schemes of work.</u></b></p> <p>Perform dances using a range of movement patterns (caveman style!)</p>	<p>Explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words.</p> <p><i>Origins of language &amp; development.</i></p> <p><i>Basic greetings</i> <i>Colours</i> <i>Numbers</i></p>

Stone Age to Iron Age								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
<a href="https://www.norfolk.gov.uk/tasks/your-community/find-out-about-norfolks-deep-history-coast/">https://www.norfolk.gov.uk/tasks/your-community/find-out-about-norfolks-deep-history-coast/</a>  Visit West Runton Beach – go on a fossil hunt. (you can download the app on to a tablet which uses AR and gives extra information about the coastline)	Finger/stick painting.  Whole class mural (cave painting) with a modern twist to represent things that pupils do today.  Observational drawings/sketches of what they see.	E.g., GPS, geotagging, databases to record finds. Radiocarbon dating.  <a href="http://www.digitaljournal.com/tech-and-science/science/archaeology-unearting-the-past-using-modern-technology/article/508536">http://www.digitaljournal.com/tech-and-science/science/archaeology-unearting-the-past-using-modern-technology/article/508536</a>	Tools for building, mending & hunting Basket weaving  Clothing.  Possible visit to from or to a blacksmith.  Flint knapping.  Dying fabric with natural colours from the environment.	Locate sites of historical interest and relate them to an understanding of why they are there. E.g. Stonehenge, what is the geographical significance?	Bronze Age religion, technology, e.g. Stonehenge  Iron Age Hill forts: Tribal kingdoms, farming, art and culture. <a href="https://www.bbc.co.uk/teach/class-clips-video/history-ks1-ks2-explain-this-hill-forts/z4xx6v4">https://www.bbc.co.uk/teach/class-clips-video/history-ks1-ks2-explain-this-hill-forts/z4xx6v4</a>			

Stone Age to Iron Age								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
<p>Recognise that soils are made from rocks and organic matter. Look at metamorphic, igneous and sedimentary rock.</p> <p>Describe the changes as humans develop to old age.</p>			<p>Weaving with natural fibres.</p> <p>Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.</p>	<p>Why would different tribes settle in a specific area?</p> <p>How does physical geography and human geography link?</p>	<p>Changes in Britain from the Stone Age to the Iron Age.</p> <p><a href="https://www.bbc.co.uk/teach/class-clips-video/history-ks2-ancient-voices/zvkj92p">https://www.bbc.co.uk/teach/class-clips-video/history-ks2-ancient-voices/zvkj92p</a></p> <p>Local history visits Norwich Museum.</p> <p><a href="https://www.independent.co.uk/news/stone-age-factory-is-found-in-east-anglia-1101509.html">https://www.independent.co.uk/news/stone-age-factory-is-found-in-east-anglia-1101509.html</a></p>			

Stone Age to Iron Age								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
<p>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</p> <p><a href="https://app.discoveryeducation.co.uk/learn/channels/channel/d7ec8f96-a57d-41f4-a2d8-ff13aac32c70?embed=false&amp;embed_origin=false">https://app.discoveryeducation.co.uk/learn/channels/channel/d7ec8f96-a57d-41f4-a2d8-ff13aac32c70?embed=false&amp;embed_origin=false</a></p>			<p>Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques link to the history about the types of natural foods that would have been around in those time periods.</p>		<p><a href="https://www.cam.ac.uk/research/news/bronze-age-stilt-houses-unearthed-in-east-anglian-fens">https://www.cam.ac.uk/research/news/bronze-age-stilt-houses-unearthed-in-east-anglian-fens</a></p> <p>Outdoor learning experience – den building, fire pits. Exploring what people may have eaten during these periods. How would they have made tools and clothing? Norwich museum visit?</p>			

Stone Age to Iron Age								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
Rocks and Soils – Espresso Discovery					Natural History museum visit? Grimes Graves  <a href="https://www.prehistoricexperiences.com/more-info-outdoor-classroom">https://www.prehistoricexperiences.com/more-info-outdoor-classroom</a>  Flag Fen <a href="https://www.visitpeterborough.com/things-to-do/flag-fen-archaeological-park-p875681">https://www.visitpeterborough.com/things-to-do/flag-fen-archaeological-park-p875681</a>			

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					<a href="https://teachers.thenational.academy/units/prehistoric-britain-b65f">https://teachers.thenational.academy/units/prehistoric-britain-b65f</a>  <a href="https://www.bbc.co.uk/bitesize/topics/z82hsbk/year/z63tt39">https://www.bbc.co.uk/bitesize/topics/z82hsbk/year/z63tt39</a>  <a href="https://www.bbc.co.uk/bitesize/topics/z82hsbk/year/zhgppg8">https://www.bbc.co.uk/bitesize/topics/z82hsbk/year/zhgppg8</a>			

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					<a href="https://app.discoveryeducation.co.uk/learn/channels/channel/e0da4e7b-6ed5-48c5-bbf0-bc9390ebccc0?embed=false&amp;embed_origin=false">https://app.discoveryeducation.co.uk/learn/channels/channel/e0da4e7b-6ed5-48c5-bbf0-bc9390ebccc0?embed=false&amp;embed_origin=false</a> Stone Age to Iron Age – Discovery Espresso			

Volcanoes, Earthquakes & Mountains								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
<p>Changing Materials – Creating volcanoes</p> <p>Look at different types of rock formed from volcanoes.</p> <p>Rocks &amp; soils – igneous, metamorphic &amp; sedimentary rock forms.</p>	<p>Volcano inspired art – Turner to Warhol</p> <p><a href="https://www.theguardian.com/artanddesign/gallery/2010/aug/01/art-volcano-warhol-turner">https://www.theguardian.com/artanddesign/gallery/2010/aug/01/art-volcano-warhol-turner</a></p>	<p>Interpret information from</p> <p><a href="https://www.usgs.gov/natural-hazards/earthquake-hazards">https://www.usgs.gov/natural-hazards/earthquake-hazards</a></p> <p>Which gives info about earthquakes in real time.</p> <p><a href="https://www.bgs.ac.uk/geology-projects/earthquake-seismology/">https://www.bgs.ac.uk/geology-projects/earthquake-seismology/</a></p>	<p>Food Tech – Making chocolate soil</p> <p><a href="https://www.bbcgoodfood.com/user/243939/recipe/chocolate-soil-crumbs">https://www.bbcgoodfood.com/user/243939/recipe/chocolate-soil-crumbs</a></p> <p>Making Rocky Road</p> <p><a href="https://www.bbcgoodfood.com/recipes/easy-rocky-road">https://www.bbcgoodfood.com/recipes/easy-rocky-road</a></p> <p>Edible Sedimentary rock</p> <p><a href="https://rainydaymum.co.uk/edible-sedimentary-rock-activity/">https://rainydaymum.co.uk/edible-sedimentary-rock-activity/</a></p>	<p>Naming and locating active and inactive volcanoes around the world.</p> <p>Look at ‘The Ring of Fire’</p> <p>Look at the impact of living near a volcano.</p> <p>Understand that not all volcanoes are on the land.</p>	<p>Look at impact of famous volcanic eruptions and earthquakes.</p> <p><a href="https://www.usgs.gov/faqs/which-volcanic-eruptions-were-deadliest">https://www.usgs.gov/faqs/which-volcanic-eruptions-were-deadliest</a></p> <p>San Andreas Fault and how it has changed overtime.</p>	<p><b>Charanga Schemes of work</b></p> <p><i>Volcano song</i></p> <p><a href="https://www.youtube.com/watch?v=bwTkTzdkVS4">https://www.youtube.com/watch?v=bwTkTzdkVS4</a></p> <p><i>Dancing on the edge of a volcano – London Symphony Orchestra</i></p> <p><a href="https://www.youtube.com/watch?v=NLismjNrXo">https://www.youtube.com/watch?v=NLismjNrXo</a></p>	<p><b>See also RealPE Schemes of work.</b></p> <p>Cross country</p> <p>Look at mountain climbing.</p> <p>Visit climbing wall at UEA?</p>	<p>Naming volcanoes &amp; mountains in native languages.</p> <p>Asking for help in different languages.</p>



Volcanoes, Earthquakes & Mountains								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
<p>Permeable, Semi-permeable and impermeable rocks and soils.</p> <p>Rock Cycle</p> <p>Fossils (link to Stone Age to Iron Age)</p> <p>Link to local geography – soil and rock types found in the local area (West Runton Cliffs)</p>		<p>Interpret information from:  <a href="https://www.usgs.gov/products/data-and-tools/real-time-data/volcanoes">https://www.usgs.gov/products/data-and-tools/real-time-data/volcanoes</a></p> <p>Which gives info about volcanic eruptions in real time.  <a href="https://www.bgs.ac.uk/geology-projects/volcanoes/">https://www.bgs.ac.uk/geology-projects/volcanoes/</a></p>	<p>Edible Igneous Rock  <a href="https://rainydaymum.co.uk/edible-igneous-rock-activity/">https://rainydaymum.co.uk/edible-igneous-rock-activity/</a></p> <p>Geology Kitchen  <a href="https://www.youtube.com/watch?v=pg_jKjFbA2A">https://www.youtube.com/watch?v=pg_jKjFbA2A</a></p> <p>How to make edible rocks  <a href="https://elementalscience.com/blogs/science-activities/67260355-how-to-make-edible-rocks-earth-science-activity">https://elementalscience.com/blogs/science-activities/67260355-how-to-make-edible-rocks-earth-science-activity</a></p>	<p>Understand plate tectonics and begin to name tectonic plates.</p> <p>Understand how fault lines are areas of greatest movement.</p> <p>Begin to understand how volcanoes and tectonic plates are linked.</p>	<p>Famous Explorers who have scaled mountains like Everest &amp; K2,            Tenzing Norgay – 1914-1986            George Mallory 1886-1924            Sir Edmund Hilary 1919-2008</p>	<p>Epic Dark Music – Volcano Kingdom  <a href="https://www.youtube.com/watch?v=lzVO4cC_0QA">https://www.youtube.com/watch?v=lzVO4cC_0QA</a></p>		

Volcanoes, Earthquakes & Mountains								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
<p>Erosion, incl. coastal erosion.</p> <p>Changing state – water cycle (interchangeable process seeing it in action with mountains and volcanoes)</p>		<p>Use Google Earth to locate tectonic plates, which are visible (San Andreas Fault), volcanoes and mountains.</p> <p>Create your own model of Everest  <a href="https://www.rgs.org/schools/teaching-resources/make-your-own-model-of-everest/">https://www.rgs.org/schools/teaching-resources/make-your-own-model-of-everest/</a></p>		<p>Understand that mountains form as the tectonic plate move and that mountains can form from inactive volcanoes.</p> <p>Name the highest peaks in the UK and be able to locate them on a map.</p> <p>Order heights of mountains.</p>	<p>Look at the history of Mountain Rescue and how that was set up.  <a href="https://www.mountainrescue.org.uk/">https://www.mountainrescue.org.uk/</a></p> <p>Earthquake Rescue – how people are found  <a href="http://news.bbc.co.uk/1/hi/world/americas/8459653.stm">http://news.bbc.co.uk/1/hi/world/americas/8459653.stm</a></p>			

Volcanoes, Earthquakes & Mountains								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
				<p>Understand how mountains are measured (metres above sea level).</p> <p>When using Ordnance Survey Maps understand how mountains are drawn (contours)</p> <p><a href="https://teachers.thenational.academy/units/mountains-volcanoes-and-earthquakes-e02a">https://teachers.thenational.academy/units/mountains-volcanoes-and-earthquakes-e02a</a></p>	<p>National Search and Rescue</p> <p><a href="https://www.nsarda.org.uk/">https://www.nsarda.org.uk/</a></p>			

Volcanoes, Earthquakes & Mountains									
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL	
				<p>What are mountains?  <a href="https://www.bbc.co.uk/bite-size/topics/z849q6f/articles/zyhf3j6">https://www.bbc.co.uk/bite-size/topics/z849q6f/articles/zyhf3j6</a></p> <p>Tallest mountain in the UK  <a href="https://www.bbc.co.uk/bite-size/topics/zttbcmn/articles/zxbk8hv">https://www.bbc.co.uk/bite-size/topics/zttbcmn/articles/zxbk8hv</a></p> <p>Let's explore The Alps  <a href="https://www.bbc.co.uk/bite-size/topics/z3fyedm/articles/zb3ywtu">https://www.bbc.co.uk/bite-size/topics/z3fyedm/articles/zb3ywtu</a></p>					

Volcanoes, Earthquakes & Mountains								
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL
				What are volcanoes? <a href="https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zfhf3j6">https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zfhf3j6</a>  What are earthquakes? <a href="https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/z7gkwnb">https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/z7gkwnb</a>				

Volcanoes, Earthquakes & Mountains									
Science (cont.)	Art & Design (cont.)	Computing (cont.)	D&T (cont.)	Geography (cont.)	History (cont.)	Music (cont.)	PE (cont.)	MFL	
				<a href="https://app.discoveryeducation.co.uk/learn/channels/channel/30ce038c-6da3-4126-ab33-aef09b36ad22?embed=false&amp;embed_origin=false">https://app.discoveryeducation.co.uk/learn/channels/channel/30ce038c-6da3-4126-ab33-aef09b36ad22?embed=false&amp;embed_origin=false</a> Espresso Discovery – Mountains					
				<a href="https://app.discoveryeducation.co.uk/learn/channels/channel/96866dc2-59e7-4dd0-bc37-fb181c5a5b84?embed=false&amp;embed_origin=false">https://app.discoveryeducation.co.uk/learn/channels/channel/96866dc2-59e7-4dd0-bc37-fb181c5a5b84?embed=false&amp;embed_origin=false</a> Espresso Discovery - Volcanoes					

### Stone Age to Iron Age English and Maths Links:

#### Possible links to English:

<https://www.booksfortopics.com/stone-age-to-iron-age>

Fiction:

Non-Fiction:

Song:

Drama:

#### Possible Links to Maths:

Measure and scale (when using maps)

## Volcanoes, Earthquakes & Mountains English and Maths Links:

Possible links to English:	Possible Links to Maths:
<p><a href="https://livingmontessorinow.com/free-volcano-and-earthquake-songs-and-educational-videos/">https://livingmontessorinow.com/free-volcano-and-earthquake-songs-and-educational-videos/</a></p> <p>Fiction:</p> <p>Non-Fiction:</p> <p>Song:</p> <p>Drama:</p>	<p>Measure and scale (when using maps)</p>