

Science Skills Unit: Processes that shape the Earth		Year: 5
Science Skills Unit Overview		
<ul style="list-style-type: none"> • This unit introduces pupils to rock layers and patterns of rock formations as evidence of change. • Pupils will learn about how changes on Earth’s surface affect people and will research the causes of geologic events, often due to large- scale system interactions on our planet. 		
Key Vocabulary		
Cause and effect, energy, geology/ geologic. Natural hazard, fossil, geologist, molten, plate, core, mantle, scale, crust, plate, boundary, metamorphic rock, sedimentary rock, igneous rock, sediment, earthquake, magnitude, seismic, tsunami, hot spot, magma, volcano, lava, analyse, data, map, erosion, sinkhole, weathering, sediment, landslide, mass movement		
Further reading list		
<i>(Reading these commercial texts would support and enhance learning in this domain.)</i>		
<ul style="list-style-type: none"> • <i>National Geographic Readers: Rocks and Minerals</i>, by Kathleen Weidner Zoehfeld (National Geographic Children’s Books, 2012) • <i>Rocks and Minerals (Eyewitness Books)</i>, by Dr. R.F. Symes (DK CHILDREN, 2008) • <i>Rocks & Minerals: The Definitive Visual Guide</i> (Dk) • <i>The Street Beneath My Feet Hardcover</i> – 23 Mar 2017 by Charlotte Guillian (Author), Yuval Zommer (Illustrator) • <i>Where the Mountain Meets the Moon</i> – Grace Lin (Complexity of the Narrator/ Complexity of the Plot/ Symbol) • <i>The Pebble in my Pocket</i> – Meredith Hooper (Complexity of the Narrator) 		
Independent Learning Project		
<i>Pupils are asked to complete at least one independent learning project at home during the Science Skills Unit.</i>		
<i>Some suggestions are below.</i>		
Research where rocks come from and how they are formed. Present in your chosen format. E.g. - Poem, fact file etc.	Make a model of the earth and its layers.	Draw a detailed picture of a volcano with labels.
Write a fact file about a volcano e.g. what a volcano is, where volcanoes are found, the different types of volcanoes and famous eruptions.	Create a model volcano or record a piece of music which represents a volcanic eruption.	Can you find a fossil? Draw a picture of a fossil and label it.
Write a diary entry about going on a journey and discovering a fossil.	Draw an accurate map that shows where the main volcanoes in the world can be found.	Create an information booklet explaining the impact volcanoes can have on the world around them.