

Broomwood Primary School Knowledge Organiser		LKS2 Rocks and Soil: Volcanoes and Earthquakes - Physics	
Subject Specific Vocabulary		Memorable Image	
Igneous Rock	Rock that has been formed from magma or lava.		
Sedimentary Rock	Rocks that have been formed by layers of sedimentary rock being pressed down under pressure.		
Metamorphic Rock	Igneous or sedimentary rock that has changed due to being exposed to extreme heat or pressure.		
Magma	Animals which have a backbone.	Sticky Knowledge	
Lava	An animal that does not have a backbone and 97% of animals belong to this group.	<p>I know that soil is a mixture of tiny particles of rock, dead plants, animals and water.</p> <p>I know that there are six main types of soil - clay, chalky, loamy, peaty, sandy and salty.</p> <p>I know the importance of soil.</p> <p>I know what fossils are and the process of how they are formed.</p> <p>I know how Sedimentary, Igneous and Metamorphic rocks are formed.</p> <p>I know the names of some Sedimentary, Igneous and Metamorphic rocks.</p> <p>I know how to group rocks based on their appearance and physical properties.</p> <p>I know the uses of different rocks.</p>	
Sediment	Natural solid material that is moved and dropped off in a new place by water or wind e.g sand.		
Palaeontology	The study of fossils.		
Permeable	Allows liquid to pass through it.		
Impermeable	Doesn't allow liquid to pass through it.		
Fossilisation	The process by which fossils are made.		
Erosion	When water, wind and ice wears away the land.		
Decay	To rot, decompose or break down. Many things can decay, such as anything organic, rocks, soils and teeth.		
Porous	A material that is easily able to absorb fluids.		
Soil	Soil consists of a mixture of organic material (decayed plants and animals) and broken bits of rock and minerals.		
Absorbent	A material that is able to soak up another.		
Exciting Books		Scientist	
		<p>My name is Mary Anning and I became known around the world for my important fossil finds in Dorset. In 1823, I uncovered a Plesiosaurus (reptile) fossil dating back to the Jurassic period which was approximately 200 million years ago.</p>	
		Previous Learning	
		<p><u>In EYFS:</u> I know that roots of plants go into soil which is in the ground.</p> <p><u>In KS1:</u> I know of a variety of different rocks in the natural world as well as understanding what soil is. (how to identify soil etc).</p>	