

Year 3: Rocks Knowledge Mat

Subject Specific Vocabulary		Working Scientifically	Sticky Knowledge about our rocks and magnets
fossil	A fossil is the preserved remains or traces of a dead organism.	<ul style="list-style-type: none"> <input type="checkbox"/> Identifying differences or similarities or changes related to scientific ideas or processes. <input type="checkbox"/> Recording findings using simple scientific language. <input type="checkbox"/> Reporting on findings from enquiries. <input type="checkbox"/> Gathering, recording, classifying and presenting data in a range of ways. 	<ul style="list-style-type: none"> <input type="checkbox"/> Rocks have been used by humans for millions of years, from early tools and weapons through to construction materials for modern buildings. <input type="checkbox"/> Sediment deposited over time, often as layers at the bottom of lakes and oceans, forms sedimentary rocks. <input type="checkbox"/> Extreme pressure and heat over time forms metamorphic rocks. Examples are marble and slate. <input type="checkbox"/> When magma cools and solidifies it forms igneous rock. Examples are granite and pumice. <input type="checkbox"/> Fossils are formed when a living creature is buried under layers of rock, and an imprint of them is left behind. <input type="checkbox"/> Fossils are only found in sedimentary rocks. <input type="checkbox"/> Soil is made up of small particles of rock, dead plants and animals, air and water.
soil	Soil consists of a mix of organic material (decayed plants and animals) and broken bits of rocks and minerals.		
crystals	Crystals are a special kind of solid material where the molecules fit together in a repeating pattern.		
sedimentary	Sedimentary rocks are made when sand, mud and pebbles get laid down in layers. Over time, these layers are squashed under more and more layers.		
metamorphic	When a rock experiences heat and pressure, it becomes a metamorphic rock. All metamorphic rocks start as another type of rock.		
igneous	Igneous rock is formed when magma cools and solidifies. It may do this above or below the Earth's surface.		
organic matter	Organic matter is matter that has come from a recently living organism. It is capable of decaying		
permeable	If a rock is permeable, it means that water is able to pass through the rock.		
impermeable	Impermeable means that water cannot easily pass through the rock.		

