


The Marist Primary School	Knowledge Organiser	
Year 3: Spring	Rocks and Soil	

<b>Builds on and leads to...</b>	<b>Enquiry/skills</b>
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<b>Builds on:</b> <ul style="list-style-type: none"> <li>identify and name a variety of everyday materials, including rock</li> <li>describe the physical properties of a variety of everyday materials</li> <li>compare and group everyday materials on the basis of their physical properties</li> </ul> <b>Leads to:</b> <ul style="list-style-type: none"> <li>recognising that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</li> </ul>	<ul style="list-style-type: none"> <li>Ask relevant questions and use different types of scientific enquiries to answer them</li> <li>Set up simple practical enquiries and fair tests</li> <li>Making careful observations</li> <li>reporting on findings from fair tests</li> <li>using results to draw simple conclusions</li> </ul>
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What will I know by the end of the unit?	Vocabulary	
<ul style="list-style-type: none"> <li>I can compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.</li> <li>I can describe how fossils are formed when things that have lived are trapped within rock.</li> <li>I can recognise that soils are made from rocks and organic matter.</li> </ul>	<b>Mine</b>	A pit in the ground from which minerals (gold, chalk, diamonds etc) are taken.
	<b>Appearance</b>	What something looks like.
	<b>Rock</b>	Rocks are made when mineral grains grow or are fused together.
	<b>Igneous rocks</b>	When molten rock, or magma, cools down, 'igneous' rock is formed - like granite.
	<b>Sedimentary rocks</b>	Are made from other bits of broken up rocks and the remains of animals and plants- like sandstone.
	<b>Metamorphic rocks</b>	Are made when sedimentary rocks and igneous rocks experience <i>intense</i> heat and pressure.
	<b>Geologist</b>	A person who studies rocks.
	<b>Permeable</b>	Allows liquids or gases to pass through it.
	<b>Impermeable</b>	Does not allow liquids or gases to pass through it.
	<b>Soil</b>	Soil is a mixture of tiny particles of rock, dead plants and animals, air and water.
	<b>Clay soil</b>	Usually sticky and has small particles.
	<b>Sandy soil</b>	Pale in colour and have large particles.
	<b>Peaty soil</b>	Doesn't contain any rock particles. It is made from very old decayed plants.
	<b>Chalky soil</b>	Light brown in colour.

### Diagrams / Maps / Images

