



ROCKS (CHEMISTRY)

Statements in *red* are linked from other topics

Progression in Scientific knowledge, concepts & skills	EYFS (Early Learning Goals)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
<p><u>Concepts</u></p> <p>Structure</p> <p>Cause and effect</p> <p>Changes</p> <p>Similarity and Difference</p> <p><u>Working Scientifically</u></p>	<p>Children know about similarities and difference in relation to places, objects, materials and living things.</p> <p>Children talk about features of their own immediate environment and how environments might vary from one another</p>	<p><i>Distinguish between an object and the material from which it is made</i></p> <p><i>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</i></p> <p><i>Describe the simple physical properties of a variety</i></p>	<p><i>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses (Materials)</i></p>	<p>Compare and group different types of rocks (appearance and simple physical properties)</p> <p>Describe how rocks and fossils are formed in simple terms</p> <p>Know that soils are made from rocks and organic matter</p>			<p><i>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago (Evolution and inheritance)</i></p>	<p>The composition of the Earth.</p> <p>The structure of the Earth.</p> <p>The rock cycle and the formation of igneous, sedimentary and metamorphic rocks.</p>



	Children make observations of animals and plants and explain why some things occur and talk about changes	<i>of everyday materials</i> <i>Compare and group together a variety of everyday materials on the basis of their simple physical properties. (Materials)</i>						
Possible learning questions				What do rocks tell us about the way the Earth was formed?				