



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
<u>Concepts</u> Structure Cause and effect Changes Similarity and Difference Working Scientifically	Children know about similarities and difference in relation to places, objects, materials and living things. Children talk about features of their own immediate environment and how environments might vary from one another	<i>Distinguish between an object and the material from which it is made</i> <i>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</i> <i>Describe the simple physical properties of a variety</i>	<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>	Compare and group different types of rocks (appearance and simple physical properties) Describe how rocks and fossils are formed in simple terms Know that soils are made from rocks and organic matter			<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>	The composition of the Earth. The structure of the Earth. The rock cycle and the formation of igneous, sedimentary and metamorphic rocks.



St. Mary's and Our Lady of Grace Catholic Academies - Progression in Scientific knowledge, concepts and skills



	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?				