## Science Progression of Knowledge and Skills Rocks

Key to understanding this document: Black = National Curriculum objectives Red = Knowledge/Skills to be taught Green = Resources to be used

At The Discovery School we understand the importance of our children knowing more, remembering more and doing more. With this in mind, we teach the children the knowledge they require, ensuring they have opportunities for the retrieval of knowledge and the chance to apply new skills during their learning. <u>E</u> Area of Year 1 Year Year 3 Year 4 Year 5 Year 6 <u>Y</u> 2 Learning <u>F</u> S Working scientifically: Rocks Classifying and presenting data to help answer questions. Using results to draw a simple conclusion and suggest improvements. Using simple scientific equipment. Setting up simple practical enquiries. R1-compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. 1.Begin by allowing the children to handle a selection of rocks and look at them carefully using a hand lens or microscope where possible. First the children could sort them in any way they chose, then feedback and discuss different ways of sorting as a class. Then they could sort them according to whether or not they can see crystals in them. Children could then choose sorting criteria of their own: e.g. texture, sharpness of edges etc. Children present their findings and draw conclusions. 2. Children to understand the different types of rocks and how they are formed. Sedimentary, igneous and metamorphic 3. Children to carry out a simple test to see which rocks are impermeable/ permeable.



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	impermechie
	impermeable
	appearance soft
	hard
	crystal
	rock formation
	mineral
Кеу	Rocks
Resources	Soils
	Shells
	Clay
	Containers/ beakers
	Tray
	Forks Plastic bottles
	Filter paper
	Measuring jug
	Tea lights
	The Disco