



St. Francis Xavier's RC Primary School

Science Unit Guidance and Formative Assessment

Year Group:	3 Spring 2	Subject:	Science
Unit:	Rocks	Prerequisite Learning and Curriculum Links	<p>EYFS ELG The Natural World Explore the natural world around them, making observations; know some similarities and differences between the natural world around them and contrasting environments; understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p> <p>Materials: Explore a range of materials</p> <p>Year 1: materials- classifying and describing materials</p> <p>Curriculum Links in Year 3</p> <p>History- The Stone Age</p> <p>Geography- Exploring the UK and Canal networks</p>

ROCKs (Remembering Our Curriculum Knowledge and Skills)	
Recall the layers of the Earth (crust, mantle, outer core and inner core)	
Group and classify rocks into categories based on their physical appearance and properties (igneous, metamorphic and sedimentary)	
Describe how fossils are formed when things that have lived are trapped within rock	
Recognise that soil is made from rocks and organic matter	
Progressive Journey:	Skills:
Use models to demonstrate the different layers of the Earth Explore igneous, metamorphic and sedimentary rocks and describe the physical properties and appearance Investigate man-made rocks, including bricks Research famous palaeontologists such as Mary Anning Create own fossils Within groups, make own compost bin to demonstrate soil formation Investigate soil permeability	Explore how and why rocks and buildings have changed over time Classify rocks based on their properties Investigate how fossils are formed Raise questions to clarify understanding Make systematic and careful observations Record findings using models, labelled drawings and scientific language
Key Vocabulary Crust, mantle, outer core, inner core Igneous, metamorphic, sedimentary, hard, soft, permeable, impermeable, durable, density Fossils, fossilisation, palaeontologist, permeable, impermeable, durable, density, soil, compost, absorption	