

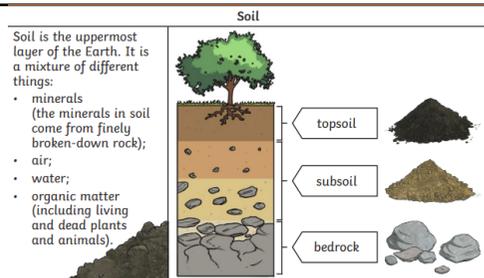
Bomere and the XI Towns Federation Knowledge Organiser—Science

Topic: Science— Rocks, Fossils and Soils

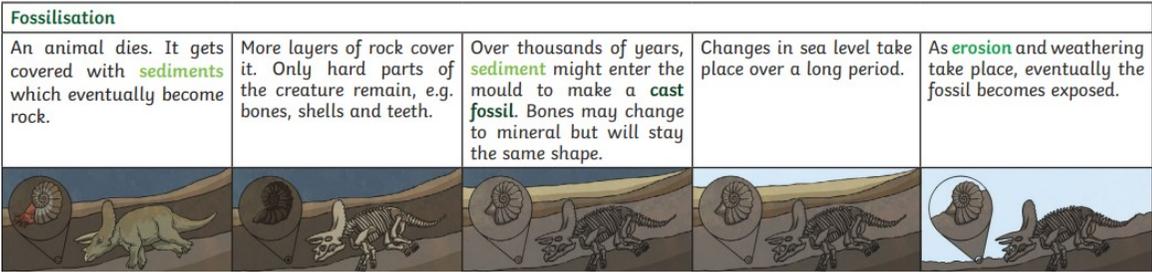
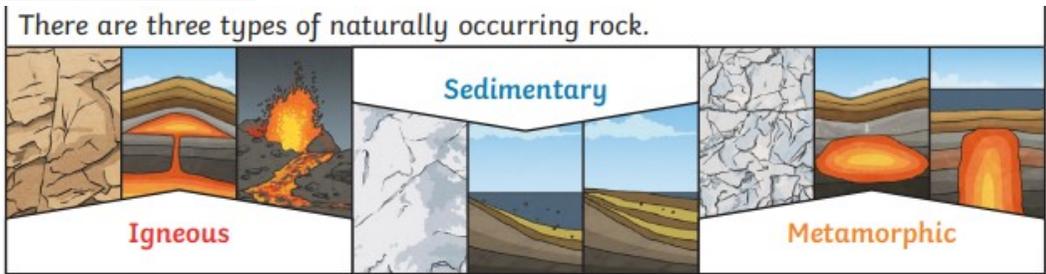
Class/Year Groups: Grinshill

Term: Autumn

What you already know?
Pupils have not studied rocks in Key Stage 1. They may know about natural phenomena such as volcanos from the news or their own reading.



What you will learn and understand.



Key vocabulary:

Igneous Rock Rock that has been formed from magma or lava

Sedimentary Rock Rock that has been formed by layers of sediment being pressed down hard and sticking together. You can see the layers of sediment in the rock.

Metamorphic Rock Rock that started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure

Magma Molten rock that remains underground.

Permeable Allows liquids to pass through it.

Impermeable impermeable Does not allow liquids to pass through it.

Palaeontology The study of fossils.



- National Curriculum Objectives:
- To compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
 - To describe in simple terms how fossils are formed when things that have lived are trapped within rock
 - To recognise that soils are made from rocks and organic matter.

