

Tier 3 Vocabulary

Sediment	Small bits of rock
Sedimentary	Rock made from sediment
Rock	Made from one or more mineral
Mineral	A natural substance that makes up rock
Soil	Small particles of rock mixed with decayed plant and animal material
Decay	To rot or break up
Particle	An extremely small thing or part of something.
Metamorphic rock	A rock that has been changed by heat or pressure
Igneous rock	A rock formed from magma
Magma	A hot liquid rock
Fossil	The prehistoric remains of a plant or animal
Prehistoric	Something that existed before recorded history
History	A record of past events
Imprint	A dent in the shape of a plant or animal
Preserve	To protect something so it stays in its
Permeable	Allows liquids or gasses to pass through it.
Impermeable	Does not allow liquids or gasses to pass

Working and thinking scientifically

We are being scientists by:

- Asking questions and using different types of scientific enquires to answer them.
- Setting up simple practical enquiries.
- Making careful observations using a range of equipment.
- Gathering, recording, sorting and presenting data in different ways to help answer questions.
- Recording findings from enquiries using Oracy and written explanations.

Key Facts

There are three main types of rock formation:	Sedimentary, igneous and metamorphic
Sedimentary rocks are formed:	when different layers are pressed together over a long period of time
Metamorphic rocks are formed:	when sedimentary rocks are heated and squashed
Igneous rocks are formed:	from magma
When objects are melted:	they change shape and become liquid.
Igneous rocks are:	very hard, dark and heavy and they do not contain fossils
Soil is made up of:	different materials such as decayed plant and animal materials and rocks.
There are different types of soils that	have different characteristics, can be found in different places and are useful for different things
Fossils are formed:	when things that have lived are trapped within rock.
Rocks have different properties:	Not all rocks are as hard, as waterproof, as pure or as heavy as others.

Pictures and Diagrams

Rock Types

Igneous Sedimentary Metamorphic

Chalky Peaty Sandy Loamy

Clay Silty