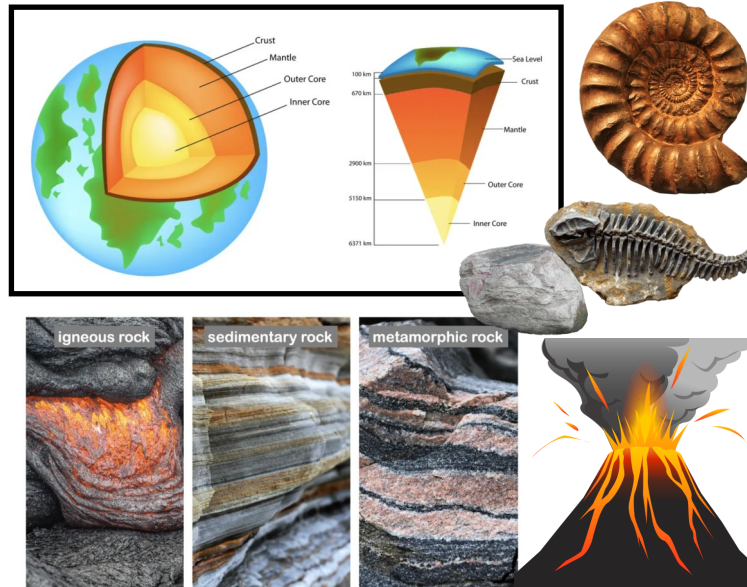


Subject Specific Vocabulary

Rocks	Are made of minerals. Rocks are natural but we can mix natural rocks and soils like clay and sand to make man-made rocks.
Soils	Soil is a complex mixture of minerals, water, air, organic matter, and countless organisms that are the decaying remains of once-living things. Soil is capable of supporting plant life and is vital to life on earth.
Crystals	Rocks that forms from magma contains crystals.
Minerals	Found in rocks. Solid and inorganic substance made with chemical e.g. salt.
Sedimentary	A rock formed of layers from things such as sand, mud and small stones. Over the years, the bottom layers are compacted with new layers joining on top.
Igneous	A rock formed when magma cools down.
Metamorphic	A rock formed by changes in heat and pressure underground.
Man-made	A material that is not natural, it is made by humans.
Erosion	Wind and rain can gradually wear down rocks. This is called erosion.
Mould fossils	Are formed when the bones of an animal are broken down and a space is left where the bones once were.
Cast fossils	Are similar to mould fossils but rock or sediment fills the space instead.
Replacement fossils	Are formed when the bones are replaced with minerals from the soil, but not rock!
Whole-body fossils	Are formed where an animal's body is perfectly preserved in some form, e.g. insects in amber or a woolly mammoth preserved in ice.
Trace fossils	Trace fossils show the marks an animal has left behind, e.g. their footprints or their poo.

Rocks and Soils!



What Do I Already Know?

From EYs: Rocks in the environment, sorting materials, rocks in stories.

From KS1: Materials, Everyday Materials, Habitats - discussions about rock as a natural or man-made material and forming part of a habitat.

Links to the National Curriculum:

NC KS2 Science Year 3

Pupils will be taught:

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.

By the end of this topic I will explore...

- ◆ What are rocks and how are they formed?
- ◆ What are the different types of rock? What are the names and examples of these?
- ◆ How are crystals formed in some rocks?
- ◆ What is erosion and how can it affect rocks?
- ◆ What is a fossil and what are the different types of fossils?
- ◆ What is soil made of and why is it important?