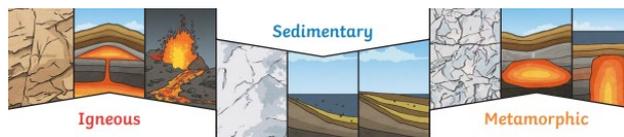


# Science

**Topic: Rocks and Soils**

**Year: 3**

**Strand: To compare, group and describe different kinds of rocks**



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.
Lava	Molten rock that comes out of the ground.
Sediment	Natural solid material that is moved and dropped off in a new place by water or wind, e.g. sand.
Permeable	Allows liquids to pass through it.
Impermeable	Does not allow liquids to pass through it.
Fossilization	The process by which fossils are made.
Erosion	When water, wind or ice wears away land.

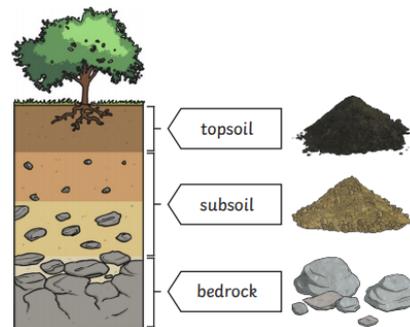
## What will I know by the end of the unit?

By the end of this unit, I will be able to recall the three types of rock and be able to give examples of each. I will be able to discuss the properties of each rock using vocabulary such as: permeable, impermeable, hard, soft, durable, high density and low density.

Natural Rocks			Human-Made Rocks
Igneous	Sedimentary	Metamorphic	
Obsidian	Chalk	Marble	Brick
Granite	Sandstone	Quartzite	Concrete
Basalt	Limestone	Slate	Coade Stone

I will be able to confidently and accurately describe the process of fossilisation.

I will know that the uppermost layer of the earth is soil and it is a mixture of different things including minerals, air, water and organic matter.



## Scientific Skills

- To make and record predictions before carrying out experiments
- To plan and execute a fair test
- To explain the importance of collecting information to answer a question
- To describe findings using scientific words

## Objectives

- To compare and group together different kinds of rocks on the basis of their appearance.
- To describe in simple terms how fossils are formed when things that have lives before become trapped within rock.
- To recognise that soils are made from rocks and organic matter.

## Useful Websites

[Introduction to rocks - Rocks - KS3 Chemistry Revision - BBC Bitesize](#)

[How are fossils made? - BBC Bitesize](#)