

St. Mary's Catholic Primary School



Subject: **Science**

Topic: Rocks

Year: 3

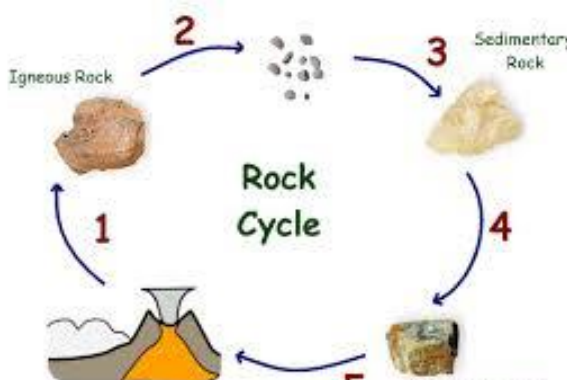
Strand: Biology

What should I already know?

- Rocks have been used by humans for millions of years for things like tools and weapons – relate to the Stone Age.
- Rocks and stones are natural.
- There are different types of rocks.

What am I going to learn?

- There are three different types of naturally occurring rock – igneous, metamorphic and sedimentary.
- Some rocks such as bricks and concrete are human made.
- Caves are formed when water permeates through the base rock and erodes some of the rock away.
- Soil is the uppermost layer of the earth.
- Soil is a mixture of minerals, air, water and organic matter.
- Fossilisation is a process that happens over thousands of years.
- Palaeontology is the study of fossils.
- Erosion is when water wind or ice wear away land.



Vocabulary

Anthropic of or relating to human beings or the period of their existence on earth.

Buoyancy the ability or tendency of something to float in water or other fluid.

Coprolite a piece of fossilized dung.

Igneous (rock) having solidified from lava or magma.

Metamorphic denoting or relating to rock that has undergone transformation by heat, pressure, or other natural agencies.

Palaeontologist a scientist who studies fossils

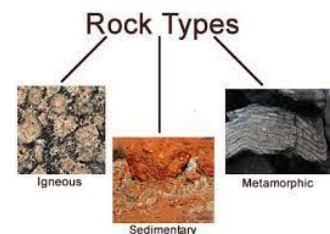
Permeable (of a material or membrane) allowing liquids or gases to pass through it.

Organic relating to or derived from living matter.

Sediment matter that settles to the bottom of a liquid; dregs.

Sedimentary (rock) that has formed from sediment deposited by water or air.

Transformation a marked change in form, nature, or appearance.



Helpful resources

Natural History Museum <https://www.nhm.ac.uk/>

Books:

The Fossil Girl – Catherine Brighton

Mary Anning and the Sea Dragon