



## Key Vocabulary

**Rock** – A hard solid materials that is made of minerals and is found in nature

**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

**Metamorphic** – Rock that started out as igneous or sedimentary 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

**Permeable** – Allows liquids to pass through it

**Impermeable** – Does not allow liquids to pass through it

**Durable** – Resistant to weathering

**Fossilisation** – The process by which fossils are made

**Palaeontology** – The study of fossils

**Erosion** – When water, wind or ice wears away land

**Fossil** – The remains of a plant or animal that turned to stone over a long period of time

## Key Information

- There are 3 types of naturally occurring rock – Igneous, sedimentary and metamorphic
- Rock can also be man-made, for example; concrete and brick
- Soil is the uppermost layer of the Earth. It is a mixture of different things; minerals, air, water and organic matter. There are layers of soil; Bedrock, subsoil and top soil
- Mary Anning was famous for discovering and collecting fossils
- Fossils are formed when a living thing dies and is buried, soft tissue decomposes and sediment build up and hardens to form rock.

## Enquiry Skills

In this unit the pupils will:

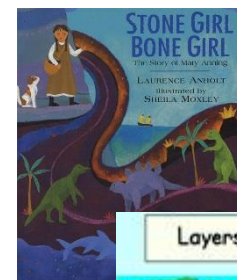
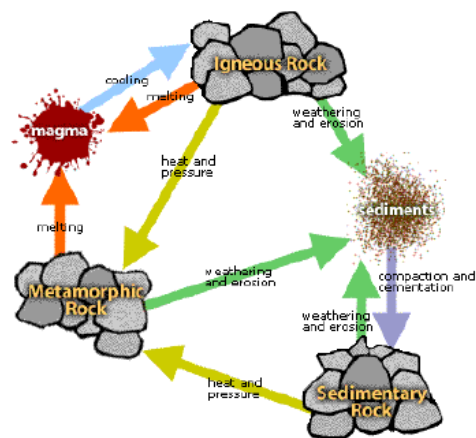
Explore rocks and compare group them using their similarities and differences

Use a microscope to identify and explain a rocks properties

Research what fossils have been discovered

Investigate what happens when rocks are rubbed together or placed in some water

# Treasures Kingfishers: Rocks and Fossils



TYPES OF ROCKS					
IGNEOUS		SEDIMENTARY		METAMORPHIC	
Granite	Scoria	Sandstone	Limestone	Marble	Slate
Pumice	Obsidian	Conglomerate	Gypsum	Quartzite	Gneiss

