

Year 3/4 Rocks Knowledge Organiser

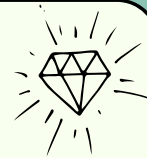


What do I already know ?



- I can describe the physical properties of a variety of everyday materials.
- I can identify and compare the suitability of a variety of everyday materials including wood, plastic, glass, brick, rock, paper and cardboard

Gems of knowledge



- I will understand what a rock is.
- I will name different types of rocks.
- I will learn about the uses of different rocks.
- I will identify the different components within soil.
- I will learn about the process of fossilisation.

How will I work like a Scientist?



- I will ask and answer questions using different types of scientific enquiry (Y3- when prompted).
- I will set up investigations (Y3-with some support).
- I will make observations using equipment.
- I will take accurate measurements using standard units. (Y3- with some support).
- I will gather, record, classify and present data in a variety of ways to help to answer a question. (Y3- with support).
- I will record findings using simple scientific language, drawings and labelled diagrams/charts.
- I will report on my findings from an investigation.
- I will use scientific evidence to answer a question.
- I will use results to draw simple conclusions.

Key vocabulary

Meaning

Rock

A naturally occurring material made up of one or more mineral.

Mineral

Solid substances made naturally. They do not come from plants or animals.

Permeable/impermeable

If an object is permeable, it allows water to pass through it.

Durable

Hard-wearing and tough.

Organic matter

The remains of organisms (living things).

Fossil

The rock replica of the skeleton of a living thing.

Significant Scientist



Mary Anning was a famous palaeontologist who was the first person to find a Ichthyosaurus skeleton. This is currently on display at the Natural History Museum.
She changed the way we think about the history of the earth.



Careers in Chemistry/Physics



Geologists study rocks and minerals and how they are formed.

Palaeontologists discover and study fossils. They help us to understand what our planet was like millions of years ago.

Read me!

The Street Beneath My Feet by Charlotte Guillain and Yuval Zommer.

Stone Girl, Bone Girl: by Laurence Anholt.

Both available to listen to on YouTube.