

Principal Aim:
How can we classify rocks?

Key Questions:

What are rocks?

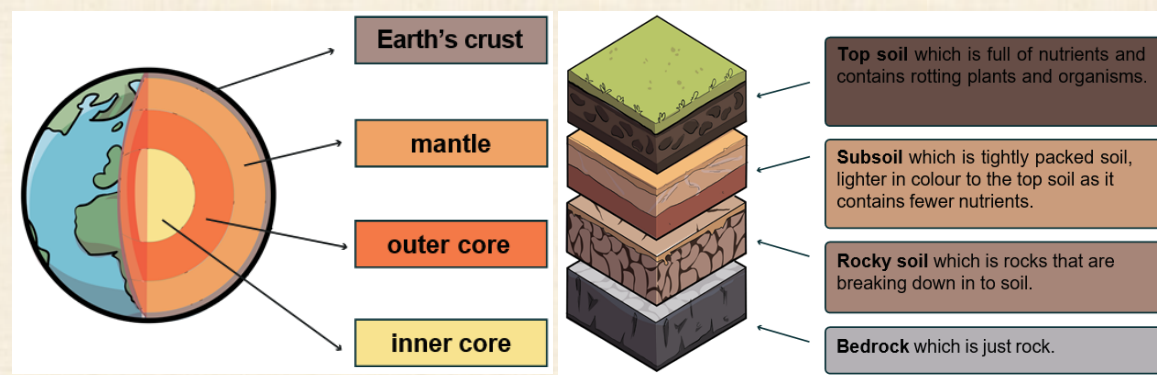
How are rocks formed?

What are soils?

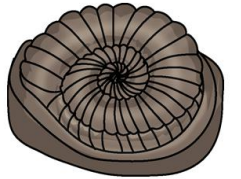
Are all rocks the same?

Which rocks make up the Earth?

How are fossils formed?



A fossil is the preserved remains or traces of a dead organism. The process by which a fossil is formed is called fossilisation.



Scientific Skills:

- asking relevant questions and using different types of scientific enquiries to answer them setting up simple practical enquiries, comparative and fair tests.
- making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Key words/terms:
crust, decay, fossil, geologist, igneous, impermeable, inner core, mantle, metamorphic, microbe, mine, permeable, rock, sedimentary, soil.

If you dig down anywhere on Earth you will find rock. Rocks can be hard, soft, permeable or impermeable, depending on what type of rock it is. Slate, marble, chalk and granite are all different types of rock and all have different uses.



Year 3 Autumn 1
Science
Rocks

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Key vocabulary	Definition
crust	The outer layer of the earth.
decay	To rot or decompose.
fossil	The preserved remains of dead organism.
geologist	A person who studies rocks.
igneous	Rock formed from cooled magma.
impermeable	Doesn't allow liquid to pass through.
inner core	The very centre of the Earth.
mantle	The part of the Earth between the crust and the core.
metamorphic	Rock formed from changes of heat or pressure.
microbe	A small living thing.
mine	To dig into the Earth for rocks and minerals.
permeable	Allows liquid to pass through.
rock	Any naturally occurring solid mineral material.
sedimentary	Rock formed y layers of sediment.
soil	Made up of pieces of rock, minerals, decaying plant material, microbes and water.