

Science - Year 3 - Spring 2 Rocks

Basic Skills

Key Language & Vocabulary	Permeable/ impermeable	Mineral
Formation	Sandstone, chalk	granite
slate	Fossil	Pressure
Soil, peat, chalky, loam, sandy, clay	Transportation	Rock, stone, pebble, boulder, grain
layers	Marble	Crystals

Values

Kindness

Learnacy and the Y Factor

Sharing ideas

How can you test the properties of a rock?

Are all rocks hard?

What sort of things make soil?

Why are there more fossils of some animals than others?

Which rocks would be most suitable if we were building steps?

How many different ways can you sort rocks?

How could you compare different soils?

How are puddles made?

How do you make a bar chart?

Rich Learning Experiences

Key Learning Objectives

Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.

Describe in simple terms how fossils are formed when things that have lived are trapped within rock.

Recognise that soils are made from rocks and organic materials.

Set up a simple test to make comparisons.

Record information in different ways (labelled diagrams, bar chart)

Cross-curricular Links

Art—natural patterns outside

Key Knowledge and Skills

Observe rocks using a hand lens or microscope.

Identify and classify rocks according to grains and crystals.

Identify rocks with fossils in them.

Know and explore how fossils are formed.

Explore different soils and identify similarities and differences between them.

- What soil is and why are there different types?
- Different plants grow better in different soils.

Investigate what happens when rocks are rubbed together

Investigate what happens when rocks are in water.

Raise and answer questions about the way soils are formed.

Enrichment Opportunities ('Learning in Action')

Creating fossils with Plaster of Paris.

Observations of rocks over time—outdoors/buildings Which rocks would be suitable for new steps. Mix soil and water and leave over time