

What should I already know?

There are a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

Objects are made from different materials

Materials have different properties that make them suitable for different uses

Science - Year 3 Autumn 1

Rocks and Soils

Knowledge

Rocks are naturally occurring materials found in the Earth

There are different types of rocks, including igneous, sedimentary, and metamorphic

Different rocks have different properties, such as hardness, texture, and permeability

Some rocks are suitable for particular uses because of their properties

Fossils are formed when plants or animals are trapped in rock over millions of years

Soil is made from broken-down rock and organic matter and different soils have different textures and uses

Vocabulary

igneous	rocks that form when hot, melted rock cools down and becomes solid
metamorphic	Rocks that have been changed when heated and pressed
sedimentary	Layers of sand, mud or tiny pieces of rock and dead plants or animals that are squashed together over millions of years
permeable	Allows water through
texture	How something feels
property	how rock behaves under different conditions
fossil	The preserved remains or evidence of a plant or animal that lived millions of years ago
organic	Coming from living things or things that were once alive

Skills

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 matter