What should I already know?

i) distinguish between an object and the material from which it is made
ii) identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
iii) describe the simple physical properties of a variety of everyday materials
iv) compare and group together a variety of everyday materials on the basis of their simple physical properties

Knowledge

i. compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
ii. describe in simple terms how fossils are formed when things that have lived are trapped within rock
iii. recognise that soils are made from rocks and organic matter

Year 3 Intention: In Science I will be learning about   Rocks, Soils and Fossils

Scientific Skills

i) asking relevant questions and using different types of scientific enquiries to answer them
ii) setting up simple practical enquiries, comparative and fair tests
iii) making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
iv) gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
v) recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
vi) reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
vii) using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
viii) identifying differences, similarities or changes related to simple scientific ideas and processes
using straightforward scientific evidence to answer questions or to support their findings

Vocabulary

marble	Rock
Permeable	Slate
Non-permeable	Granite
Igneous	sandstone
Metamorphic	Chalk
Sedimentary	Soil
Drainage	Clay
Mineral	Sand
Particles	Limestone
Scratch test	