

Science- Year 3

Autumn 1 – Rock Detectives

In Science, I have learnt:

To sort materials based on their properties into groups.
 To carry out a fair test to find out the most waterproof material.
 To use tables to organise my findings and to use these to draw conclusions.
 To use a magnifying glass to make closer observations and to talk about these.
 To make predictions based on what I know, and to say why I think this.

properties, hard, soft, rough, smooth, shiny, dull, light, heavy, harder, lighter, rougher, waterproof, absorb, absorbent, compare, similar, different.

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

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

I can recognise that soils are made from rocks and organic matter.

Working Scientifically

I can record my findings using simple scientific language, labelled diagrams and tables.

I can use a magnifying glass, microscope and weighing scales to sort and make judgements about my rocks and soils.

I can use a key to sort different rocks.

I can carry out a fair test to find out which rocks absorb the most water and which soil the water travels through the most quickly.

- **I understand what is changing/ staying the same**
- **I can make predictions saying why I think this.**
- **I can draw conclusions using evidence e.g. saying how much water is absorbed by different rocks.**

I can use secondary sources to research how a fossil was formed.

Scientific enquiry type:

Grouping and classifying

Carrying out a fair test

Finding things out using secondary sources of information

New Science words:

Sandstone, granite, chalk, limestone, marble, pumice, rough, smooth, hard, soft, rock, stone, pebble, **texture**, particle, crystal, granule, **properties, soil**, clay, sandy, loam, **peat**, organic material, weather, weathering, frost, beach, cliff, trilobite, starfish, sea urchin, ammonite, fossil, fossilize, remains.

