

Rocks

Science

Term: Autumn

Entry and exit points: research Mary Anning and produce a presentation to the class

Invite parents to show learning

NATIONAL CURRICULUM

Science: Rocks

- 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

Working Scientifically

- Ask relevant questions and use different types of scientific enquiries to answer them
- Make systematic and careful observations during a fair test
- Plan and carry out a simple fair test relevant to the question or ideas they are investigating
- Take and record accurate measurements using standard units (e.g., to a whole cm)
- Gather and record data into simple formats e.g., tables and bar charts.
- Use simple scientific language to present findings
- Record and report findings from enquiries in labelled drawings and diagrams
- Draw simple conclusions using my own results
- Begin to recognise when a test is not fair and suggest improvements

Identify differences and similarities



SCHOOL KEY DRIVERS

Language

Science

Rocks

sedimentary, igneous, metamorphic, minerals, magma/lava, sediments, permeable, texture, impermeable, weight, pattern, rock, soil, classify, organic matter, fossil, formed, bones, bacteria, dead, decay, sediment, resistant, extinction, weathering, palaeontologist, molten rock, tectonic plate, crust

Working scientifically

fair test, comparative, accurate, standard units, thermometer, data logger, gather, record, classify, present, data, tables, bar graph, classification keys, presentation, explain, conclusion, prediction, differences, similarities, theory, dependent variable, independent variable, results

Opportunities

Visit from someone who used to be a miner - asking questions what it used to be like
Visit to National Coal Mining Museum

Diversity

Celebrating different cultures

Scientist:

Mary Anning

1799-1847

Fossil collector

and

palaeontologist



Links to prior learning and next steps:

Materials (Y1 and Y2)

Links to other subjects:

Maths: statistics - tables and charts

