



Rock Steady - KS2 Challenge Sheet

Use a variety of rock samples to explore their origins, similarities and differences. Are some rocks harder than others? How are fossils formed? Are all soils the same? Let's find out through practical activities.

Educational objective

To explore rocks and soils in terms of their similarities and differences.

Approach

Whole class introduction. Children will work in pairs to explore properties of rocks - colour, texture and hardness. They will identify the rocks using keys. Whole class introduction of rock types using visual aids.
Explore various soil samples.

Specific skills to be developed

Science AT1 - process skills ie observation, sorting, using keys, recording.



Cross-curricular links

Science, geography

Ideas for extension activities

Collect 'local' rocks/soils, investigate permeability of soils, research volcanoes, fossils, minerals etc

Equipment we will provide:

rock kits
Soil samples
Magnifiers
Rock cycle model
Inflatable globe
photocopyable worksheets

Subject skills / Desirable outcomes

Materials and their properties
Experimental & investigative science

Life skills

Problem-solving skills
Team working skills
Communication skills
A 'can-do' approach
Investigation skills