

Topic: Rocks	Year 3 Age 7-8	Title: Rock scratching
Working Scientifically Focus Do: making systematic and careful observations, gathering and recording data		Conceptual Knowledge Context compare and group together different kinds of rocks on the basis of their simple physical properties

Example

Children were asked to test how hardwearing the rocks were using a scratch test (in order to identify suitable building materials for their topic).

Scratch test results table

Rock	Fingernail scratch	Coin	Nail	Rock on rock
Granite	Nothing happend	Nothing happend	Yes sckrach	Yes sckrach
Chalk	Yes sckrach	Yes sckrach	Yes sckrach	Yes sckrach
Coal	NO sckrach	no sckrach	Yes sckrach	Yes sckrach
Slate	Yes sckrach	Yes sckrach	Yes sckrach	NO sckrach
Marble	no sckrach	NO sckrach	Yes sckrach	Yes sckrach
Porcelit	Yes sckrach	Yes sckrach	Yes sckrach	Yes sckrach

Children meeting the objective would be able to systematically test the rocks and record their observations.

Some children may go further and discuss how the test may need to be repeated, or that the results may not be accurate because it was hard to scratch with the same force each time.

Example from St Paul's Catholic Primary School, Yate