

### Scientific knowledge

- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- Recognise that soils are made from rocks and organic matter.

### ICT

- I can organise data in different ways.
- I can collect data and identify where it could be inaccurate.
- I can plan, create and search a database to answer questions.



***Meet a Roman Slave and Farmer to learn about 'Rocks and Soils'.***

### Scientific enquiry

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

### Lines of enquiry

*It is important we understand 'how' we learn about Science.*



Observing over time - Scrutin  
- eyes



Comparative and fair testing -  
Fair Flo



Identifying, classifying and  
grouping - Commander  
Classify



Pattern Seeking - Pattern  
Man



Research using secondary  
sources - Roger Research