Th

Questions

How are rocks formed?

What types of rocks are there?

Can rocks change?

How can we test a rock to see if it is limestone or chalk?

Is soil just dirt? What makes soil?

How are fossils formed?

**Key Vocabulary**

|  |  |
| --- | --- |
| **Tier 2** | **Tier 3** |
| cemented | fossil |
| compacted | igneous |
| decay | magma |
| prehistoric | metamorphic |
| soil | minerals |
| transform | sedimentary |
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|  |  |
|  |  |

**Big Ideas/Substantive Concepts**

Types

Change

Soil

Fossils

Pupils should be taught to:

* 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

Year 3 Rocks

**Resources:** [CUSP curriculum](https://www.unity-curriculum.co.uk/history/history-ks2/) and [Curriculum vision](https://www.curriculumvisions.com/indexHistory.html) resources for online non-fiction texts

Making connections to prior learning

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| **Year 1:**  Everyday materials  **Year 2:**  Uses of everyday materials |

Working Scientifically

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| --- | --- | --- | --- |
| Ask relevant questions | Set up simple, practical enquiries and comparative fair tests | Make accurate measurements using standard units, using a range of equipment, eg. thermometers & data loggers | Gather, record, classify and present data in a variety of ways to help in answering questions. |
| Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables | Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions | Use results to draw simple conclusions and suggest improvements, new questions and predictions for setting up further tests | Identify differences, similarities or changes related to simple, scientific ideas and processes |

**Outdoor Learning Opportunities**

Alfresco Learning: Year 3-“Rocks and Soil”