

What I need to know: Y3 SCIENCE – Rocks

We nurture the curiosity to learn, the courage to lead and the compassion to care.

Name:

Class:

For the next 5 weeks we are thinking about rocks

What I will know...	✓	Start	End
What different rocks look like through careful observations		<input type="radio"/>	<input type="radio"/>
The names of different rock types		<input type="radio"/>	<input type="radio"/>
The different properties of rocks		<input type="radio"/>	<input type="radio"/>
How different types of rocks are formed (the rocks cycle)		<input type="radio"/>	<input type="radio"/>
How fossils are formed		<input type="radio"/>	<input type="radio"/>

Skills I may use...	
Remember: name, identify, describe	Analyse: investigate, infer, select, clarify
Understand: predict, recall, interpret	Create: plan, design, construct
Apply: use, show, relate, demonstrate	Evaluate: compare, assess, judge

Vocabulary I need to know...		
1. I have heard the word, but I don't know what it means	2. I understand what the word means	3. I can explain what the word means and give other examples
Palaeontologist, geologist, geophysicist, crystals, texture words (e.g. smooth, shiny, dull, sharp, etc.) chalk, pumice, sandstone, granite, slate, permeable, impermeable, durability, density, pipette, properties, cycle, sedimentary, igneous, metamorphic, fossilization, sea bed, rot, flesh, sediment, minerals		

Opportunities to support
<ul style="list-style-type: none"> • 'odd one out' images • Video clips • Scientific observationsal/sorting /comparison tasks • Practical experiments to demonstrate rock/fossil formation • New vocabulary booklets • Opportunities to develop skills for 'working scientifically'

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none"> • SMSC – awe and wonder at the natural world • MATHS – sorting rocks into different groups (Venn diagrams) • ENGLISH – create a glossary booklet of scientific vocabulary • PSHE – group work collaboration

Respect

Responsibility

Reflection

Resilience