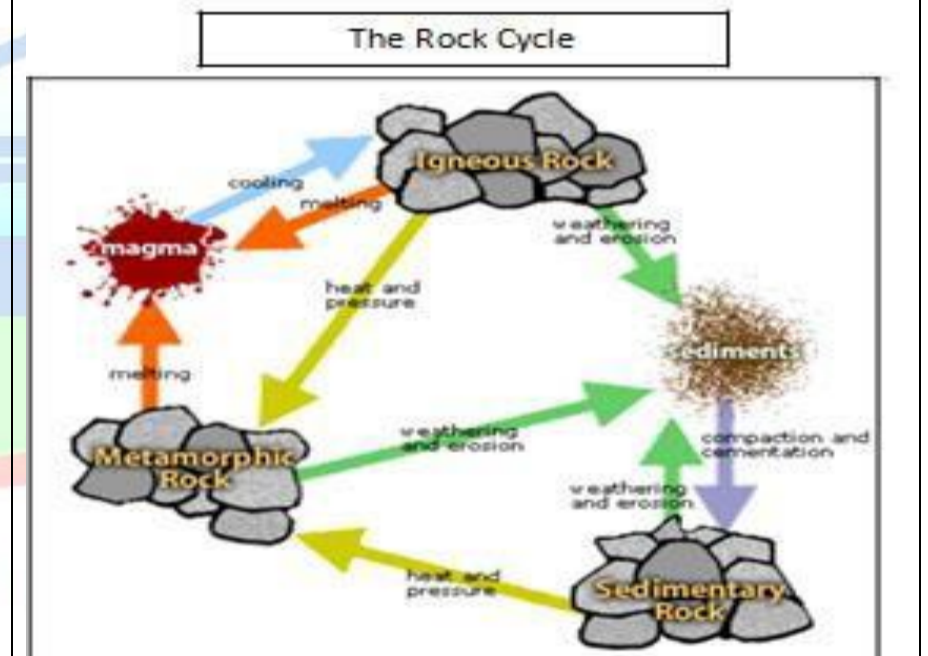
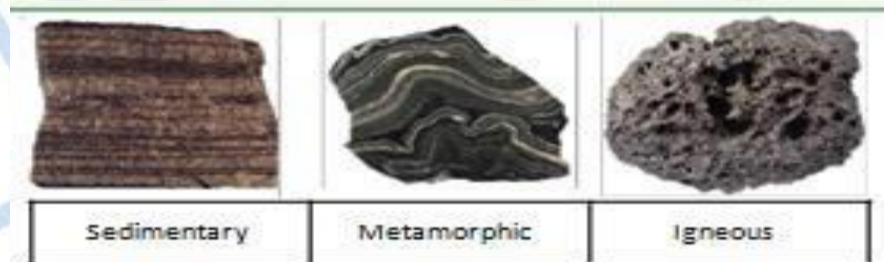


Key knowledge	
Three main types of rocks	Sedimentary, igneous, metamorphic
Sedimentary	Rocks are formed from particles of sand, shells, pebbles and other fragments of material. Gradually the sediment solidifies over time and turns into rocks.
Igneous	Rocks are formed when magma cools and solidifies.
Metamorphic	Rocks are formed under the surface of the earth from the change that occurs due to intense heat and pressure.
How are fossils formed?	An organism dies, its skeleton is left behind. The skeleton is buried by mud or sand and the process of fossilisation begins. Layers of sediments build up on top of the buried remains. The skeleton dissolves and the mould is formed.
What is soils made from?	Rocks, organic matter, water and air.
Types of soil	<p>Sandy soil- pale in colour with lots of small air gaps. Water drains through easily.</p> <p>Clay soil- is an orange or blue-ish sticky soil with very few air gaps. Water does not drain through it easily.</p> <p>Chalky soil- is a light brown soil. Water drains through it quickly</p>
Possible Experiences	
<ul style="list-style-type: none"> <li>• Create our own rocks. (chocolate)</li> <li>• Create our own replicas of fossils.</li> <li>• Investigation experiments.</li> </ul>	

Key Vocabulary	
Erosion	The gradual wearing away of something.
Magma	Hot fluid within the earth's crust from which lava and other igneous rock is formed.
Solidify	To become solid or hard.

### Diagrams and Symbols



#### Greater Depth Thinking

- Exploring different types of rocks used in building.
- Discuss different types of organisms whose fossils are found in sedimentary rock.

*Science Knowledge Organiser*



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*Science Focus*

*Rocks*

*Year 3*

*Autumn 1*

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