

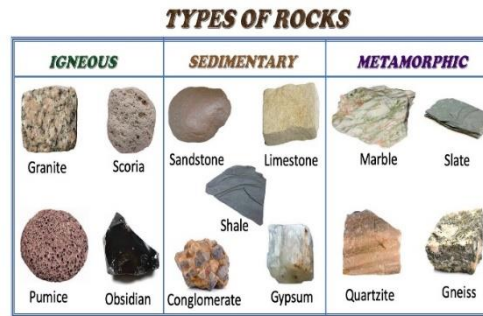
Knowledge Organiser - Year 3 - Autumn 2



Different types of rocks	
Igneous rocks	Made through cooling of magma from either beneath the surface (intrusive) or on the surface (extrusive) of a volcano.
Metamorphic rocks	Made through a chemical reaction or change by heat/pressure of an igneous or sedimentary rock.
Sedimentary rocks	Made through erosion of rock that falls into the sea and makes layers and compacted together to form pieces of rock.

Mary Anning

She was a famous palaeontologist who spent time searching the coasts looking for fossils. She made some incredible discoveries in her lifetime including a dolphin-like marine reptile called an ichthyosaur.



Facts	
1.	Christopher Columbus sailed across the ocean and discovered the Americas in 1492
2.	He set sail for his first voyage on August 3, 1492 with three ships named the Nina, the Pinta, and the Santa Maria.
3.	Neil Armstrong was the first man on the moon on the Apollo 11 in 1969.
4.	He is famous for saying 'this is one small step for man and one giant leap for mankind' when he walked on the moon.

Vocabulary	
Fossil	The remains of a prehistoric plant or animal embedded in rock.
Subsoil	Layer of soil in the earth containing rocks, stones and clay - commonly where fossils can be found.
Bedrock	A mass of rock such as granite or basalt at the bottom layer of soil.
Topsoil	The top layer of soil where plants grow their roots and there are very few rocks.
Tectonic plates	Parts of the earth's crust that move around made of solid rock.
Man-made	Rocks that have been created by humans.
Natural	Rocks that are found naturally in the earth's environment.

Properties of rocks
Permeable/impermeable - rocks are permeable if they let water pass through them and impermeable if they do not allow water to pass through.
Durability - durability is how hard-wearing a rock is, how easily it is broken down by weathering and erosion.
Density - rocks with a high density (particles close together) will sink in water. Rocks with a low density (particles spread apart) will float in water.

Who are the explorers?

Christopher Columbus and Neil Armstrong.
Christopher Columbus discovered the Americas and Neil Armstrong was the first man on the moon.

Important Artefacts	
<p>Apollo 11</p>	<p>Neil Armstrong</p>
<p>Santa Maria</p>	<p>Christopher Columbus</p>

