

Rocks Knowledge Organiser

Natural Rock

Sedimentary: rock that forms in layers over time. Rock settles in layers as mud, sand, minerals and even the remains of living things

Igneous: When molten rock spills out of a volcano, it is called lava. It cools to form igneous rock.

Metamorphic: sedimentary or igneous rock that is heated up when near magma



Man-Made Rock: (also known as anthropic rock)

Concrete: a mixture of water, sand/rock/gravel and cement (chalk and clay).

Bricks: clay soil, sand or lime which has been air-dried or fire-hardened in the shape of bricks.

Mock rock: rock gardens/surfaces that look like rock but made from other materials.

Tier Three Vocabulary:

Erosion: occurs when water, ice, wind, or gravity moves rock or soil from one place to another.

Weathering: a natural process that slowly breaks apart or changes rock through heat, water, wind, living things, and other natural forces.

Fossil: the remains or impression left by a prehistoric plant or animal embedded in rock



My Learning Journey:



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Properties of Rocks

Hard: some rocks need to be cut or split with tools because they are so hard

Soft: some rocks are soft and can be moulded

Permeable: permeable rocks allow water to pass through

Impermeable: impermeable rocks do not let water pass through

Durable: rocks that are strong and hard-wearing. They are resistant to erosion.

High-density: the particles in the rock are tightly packed together. These rocks will sink in water