



# Year 3 -Rocks and fossils Knowledge Organiser

## Star Vocabulary

Metamorphice	an igneous or sedimentary rock that has been changed by extreme heat or pressure
Rock	made up of grains that are packed together
igneous rock	Rock that has been formed from magma or lava.
Sediment	Natural solid material that has moved and dropped off in a new place by water or wind e.g. sand
permeable	Allows liquids to pass through it.
impermeable	Does not allow liquid to pass through it.
fossil	The remains or impressions of a prehistoric plant or animal embedded in rock
mineral	solid chemical substances that occur naturally

Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock materials

Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago)

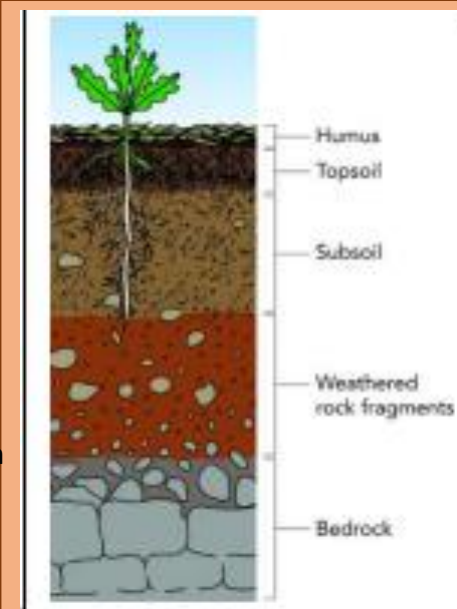
Rock is a naturally occurring material. There are different types of rock e.g. sandstone, limestone, slate etc. which have different properties.

Rocks can be hard or soft. They have different sizes of grain or crystal. They may absorb water.

Rocks can be different shapes and sizes (stones, pebbles, boulders).

The type of rock, size of rock pieces and the amount of organic matter affect the property of the soil.

Natural Rocks			Human-Made Rocks
Igneous	Sedimentary	Metamorphic	
Obsidian	Chalk	Marble	Brick
Granite	Sandstone	Quartzite	Concrete
Basalt	Limestone	Slate	Coade Stone



## Progression

Can classify rocks in a range of different ways, using appropriate vocabulary

Can devise tests to explore the properties of rocks and use data to rank the rocks

Can identify plant/animal matter and rocks in samples of soil

Can link rocks changing over time with their properties e.g. soft rocks get worn away more easily

Can present in different ways their understanding of how fossils are formed e.g. in role play, comic strip, chronological report, stop-go animation

Can devise a test to explore the water retention of soils