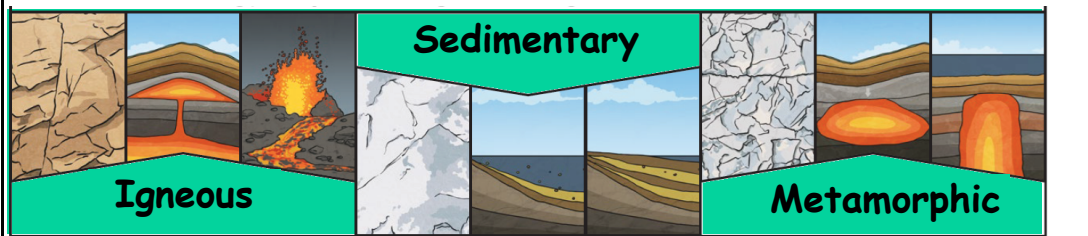


**Meadows First School Knowledge Organiser**      **SCIENCE**      **Year 3 Spring 2 Focus: Rocks and Fossils**

**Key Knowledge**

I know there are 3 types of naturally occurring rock.

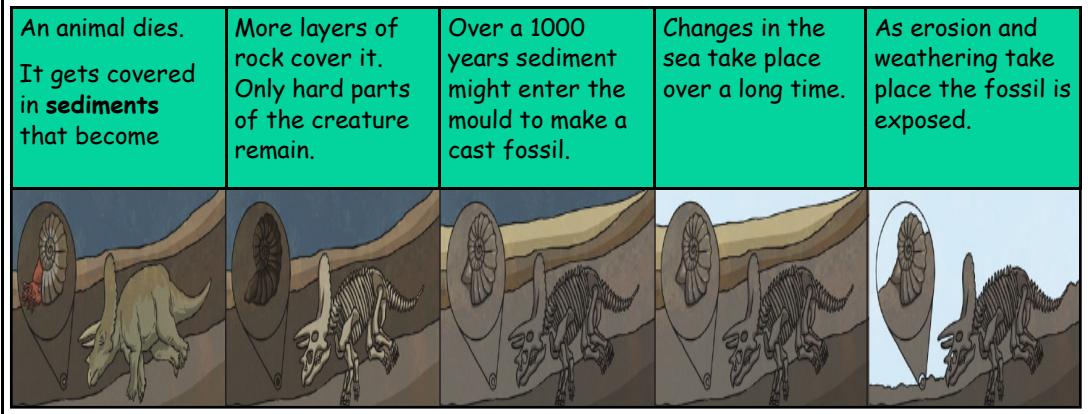


I know that soil is the upper most layer of the Earth.

I know it is made up a mixture of different things:

- Minerals (from finely broken rock)
- Air
- Water
- Organic matter (including living and dead plants and animals)

I can describe how fossils are formed:



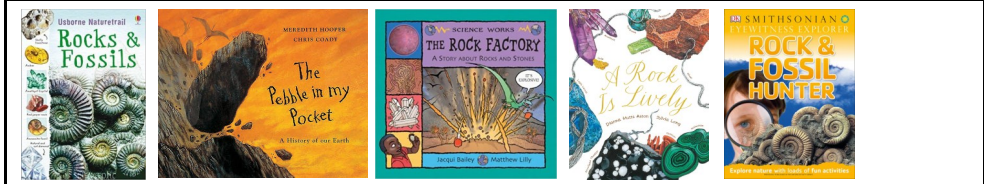
**Key Vocabulary**

<b>Igneous Rock</b>	Rock that has been formed from <b>magma</b> or lava.
<b>Sedimentary Rock</b>	Rock that has been formed by visible layers of sediment being pressed down hard and sticking together.
<b>Metamorphic Rock</b>	Rocks that started out as <b>sedimentary</b> or <b>igneous</b> but changed due to being exposed to extreme heat.
<b>Magma</b>	Molten rocks that remain underground.
<b>Lava</b>	Molten rock that comes out of the ground.
<b>Sediment</b>	Natural solid material that is moved by water or wind.
<b>Permeable</b>	Allows liquids to pass through.
<b>impermeable</b>	Stops liquids from passing through.

**Working Scientifically**

- We will recreate our own rock formations using chocolate. We will look for any changes or patterns we can spot in each others' results and suggest how we can make our rocks more realistic next time.
- We will take an observational walk around Bromsgrove. We will make careful observations and record our data using accurate measurements.

**Books, Internet Sites and Places to Visit.**



**Lapworth Museum of Geology** — <https://www.birmingham.ac.uk/>