


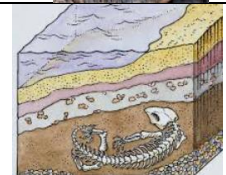
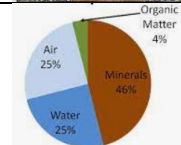



# Year Three – Rocks and Soils



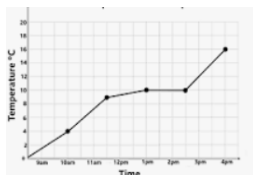
Subject Specific Vocabulary	
<b>Fossil</b>	The remains of a prehistoric plant or animal in rock.
<b>Remains</b>	The parts left over after other parts have gone.
<b>Palaeontologist</b>	A scientist who specialises in the study of life from a long time ago, using fossils as their evidence.
<b>Permeable</b>	It will allow liquids to pass through it.
<b>Impermeable</b>	It will <b>not</b> allow liquids to pass through it.
<b>Metamorphic</b>	Rocks that have changed because of very strong heat or pressure.
<b>Igneous</b>	Rocks that form when hot liquid rock solidifies (goes hard).
<b>Sedimentary</b>	Rocks that are formed from things that were once living.

Sticky knowledge	
	Some rocks (like granite, marble and flint) are hard, difficult to scratch and when polished go smooth and shiny. Other rocks are softer (such as chalk or limestone) and these rocks can easily crumble.
	Some rocks are <b>impermeable</b> which means that they do not allow water to soak through. (e.g., marble and slate). Some rocks are <b>permeable</b> which means they do let water pass through them. (e.g., limestone and chalk)
	Some rocks contain <b>fossils</b> , which are the <b>remains</b> of living things from millions of years ago.
	<b>Fossils</b> are formed when plants and animals die. Over millions of years the mud, sand and soil is compressed, hardens and forms layers of rock, trapping the dead animal or plant. It will rot away and decompose, leaving the shape of the plants/ animals' skeletons/ exoskeletons behind in the rock as an imprint.
	Soil is made from four things: minerals from worn down rock, organic matter (e.g. dead leaves/things that used to be alive), water and air.
	Not all soils are the same. The type of rock contained in soil makes them different.

## Working Scientifically



**Observation**



**Recording**

## Aspirational Scientist:

### Mary Anning

Mary Anning was an English fossil collector, dealer, and palaeontologist who became known around the world for the discoveries she made in Jurassic marine fossil beds in the cliffs along the English Channel, in Southwest England.

