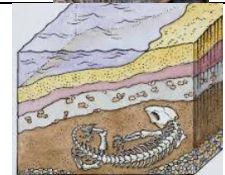
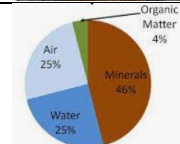


Year Three – Rocks and Soils



Subject Specific Vocabulary

fossil	The remains of a prehistoric plant or animal in rock.
remains	The parts left over after other parts have gone.
palaeontologist	A scientist who specialises in the study of life from a long time ago, using fossils as their evidence.
permeable	It will allow liquids to pass through it.
impermeable	It will not allow liquids to pass through it.
metamorphic	Rocks that have changed because of very strong heat or pressure.
igneous	Rocks that form when hot liquid rock solidifies (goes hard).
sedimentary	Rocks that are formed from things that were once living.

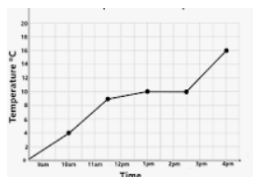
	Sticky knowledge
	Some rocks (like granite, marble and flint) are hard, difficult to scratch and when polished go smooth and shiny. Other rocks are softer (such as chalk or limestone) and these rocks can easily crumble.
	Some rocks are impermeable which means that they do not allow water to soak through. (e.g., marble and slate). Some rocks are permeable which means they do let water pass through them. (e.g., limestone and chalk)
	Some rocks contain fossils , which are the remains of living things from millions of years ago.
	Fossils 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.

Scientifically

Working



Observation



Recording

Aspirational Scientist:

Mary Anning

Mary Anning was an English fossil collector, dealer, and paleontologist 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.

