








## Year 3 - Rocks

## Chemistry

### Key vocabulary

minerals	All rocks are made of minerals.
Earth	The planet we live on - it is mostly made of rock.
core	The middle of the Earth.
mantle	Wraps around the core, made of molten rock (magma).
crust	The outside layer of the Earth, made of rock.
soil	Formed of fine rock particles.
magma	Molten rock that remains underground.
lava	Molten rock that comes out of the ground onto the surface.
permeable	A material that lets water in.
Non-permeable	A material that does not let water in.

### Types of Rock

igneous	Rock that has been formed from magma or lava.	Granite 
sedimentary	Rock that has been formed by layers of sediment being pressed down hard and sticking together.	Sandstone 
metamorphic	Rock that started as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure.	Marble 
manmade rock	Rocks that have been made by humans e.g. bricks and concrete.	
natural rock	Rocks that are formed naturally e.g. sedimentary, igneous and metamorphic.	

### The Process of Fossilisation

An animal dies. It gets covered with sediments which eventually became rock.	More layers of rock cover it. Only hard parts of the creature remain e.g. bones, shells and teeth.	Over thousands of years, sediment might enter the mould to make a cast fossil. Bones may change to mineral but will stay the same shape.	Changes in sea level take place over a long period.	As erosion and weathering take place, eventually the fossil becomes exposed.
