

# Wellesley Park Primary School – Science

**Topic: Rocks**

**Year: 3**

**Strand: Physics**

## What should I already Know?

- In **Year 2** I identified and compared the suitability of a variety of everyday materials, including brick and rock, for different uses
- In **Year 3** I found out that plants need nutrients from soil for life and growth

## What will I know by the end of the unit?

I can compare and group together different kinds of rocks on the basis of their appearance and simple physical properties

I can describe in simple terms how fossils are formed when things that have lived are trapped within rock

I can recognise that soils are made from rocks and organic matter

## Big Questions

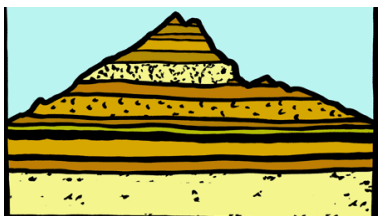
What are fossils? How are they formed?

Is concrete a rock?

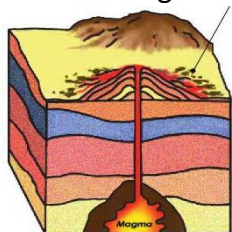
Is all soil the same?

Where do rocks come from?

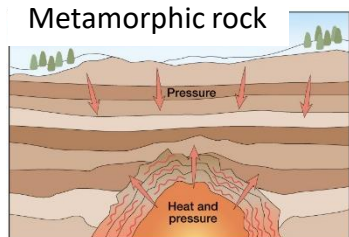
Sedimentary rock



Igneous rock



Metamorphic rock



## Vocabulary

word	meaning	Image
igneous	rock that has been formed from magma or lava	
sedimentary	rock that has been formed by layers of sediment being pressed down hard	
metamorphic	rock that started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure	
lava	molten rock that comes out of the ground	
magma	molten rock that remains in the ground	
molten	rock, metal or glass that has been heated to a very high temperature and is now a liquid	
volcano	a rupture in the crust of the Earth that allows hot lava, volcanic ash, and gases to escape from a magma chamber below the surface	
nutrients	substance that makes plants and animals grow	
sediment	natural solid material that is moved and dropped off in a new place by water or wind	
soil	a mixture of organic matter, minerals, gases, liquids, and organisms that together support life	
bedrock	the solid rock in the ground which supports all the soil above it	
impermeable	does not allow liquids to pass through it	
permeable	allows liquids to pass through it	
porous	Contains holes which allows liquid or air to pass through	
fossil	the remains or impression of a prehistoric plant or animal embedded in rock and preserved in petrified form	
palaeontologist	somebody that studies fossils	