

Y3 Science - Rocks



Rocks like brick and concrete are manmade. Slate, granite, marble and many more are natural.



If you dig down anywhere on Earth you will find rock. Rocks can be hard, soft, permeable or impermeable, depending on what type of rock it is. Slate, marble, chalk and granite are all different types of rock and all have different uses.





















Mary Anning was a fossil hunter from Lyme Regis in Devon. She was born in 1799. When she was 12, she discovered the fossil of an ichthyosaurus. She is known as a pioneer of palaeontology today.

rock - natural, solid material

fossil - preserved remains of a plant or animal

soil - rock, minerals, dead plants

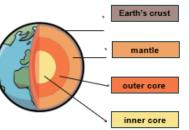
decay - to rot

Igneous - rock from cooled magma

Metamorphic - rock from heat or pressure change

Sedimentary - rock from layers of sediment

Under our feet



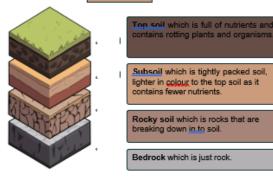
Types of rock

Igneous rock - When a volcano is about to erupt, magma comes. to the surface. As it flows down the volcano and across the land. it cools and turns back into a solid. This forms rock

Sedimentary rock - When a river reaches the sea, pieces of broken rock settle at the bottom of the sea to form a layer of sediment. Over millions of years, more and more layers of sediment settle on top and squash it down until it turns into rock.

Metamorphic rock - Metamorphic rock is formed from other rocks that are changed because of heat or pressure.

Soils





Y3 Science - Light



Scientist

Justus Von Liebig

He was a German scientist that invented the mirror.



reflective



Shadow - an area of darkness where light is blocked.

Opaque – describes objects that do not let any light pass through them.

Translucent – describes objects that let some light through, but scatter the light so we cannot see through them probably.

Transparent – describes objects that let light travel through them easily, meaning that you can see through the object.

We need light to be able to see things. Light travels in a straight line. When light hits an object, it is reflected (bounces off). If the reflected light hits our eyes, we can see the object. Some surfaces and materials reflect light well. Other materials do not reflect light well. Reflective surfaces and material can be very useful...



A light source makes light. The sun and other stars, fires torches and lamps all make their own light, so they are examples of sources of light.







Cey Vocabulary light A form of energy that travels in a

dark

Dark is the absence of light.

The process where light hits the surface of an object and bounces back into our eyes.

To bounce off.

wave from a source.

reflects light well.

ray

Waves of light are called light rays.
They can also be called beams.

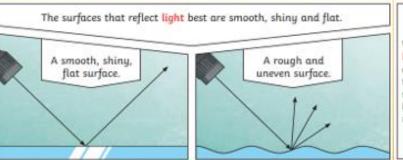
A word to describe something which

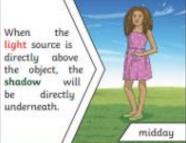


The Sun

The Sun is the biggest light source we use. It is a giant ball of hot, burning gas. It can damage our eyes if we look directly at it.

We should protect our eyes from the Sun by wearing sunglasses and a hat.





When a light source is to one side of an object, the shadow will appear on the opposite side. The shadow will also be longer.