

Key Vocabulary

seismologist	Someone who studies earthquakes, how they happen and how to measure them.
magma	Hot molten rock found deep below the earth's surface, which flows out of a volcano as lava.
dispersal	Spreading things (seeds) or people over a wider area.
geology	The study of earth and what it is made of.
botanist	A person who studies plants.
concave	A surface that curves inwards.
convex	A surface that curves outwards.

Links to previous learning:

- Light topic
- Amazing bodies topic
- Living Things and their environments topic
- Plants topic
- Extreme Earth and Disaster geography topics

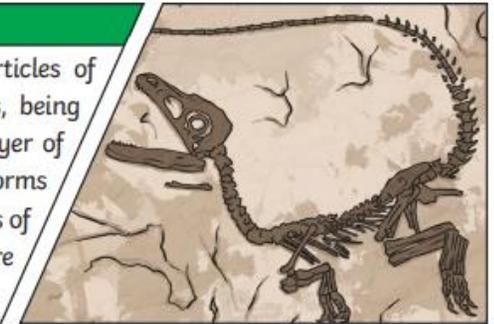
Concave and Convex

Concave and convex mirrors reflect light differently to flat mirrors because the bend in the mirror causes the ray of light to reflect at different angles. Concave mirrors bulge inwards making the reflection appear larger. A car wing mirror is a convex mirror which makes objects appear smaller so you can see them and more of the road.



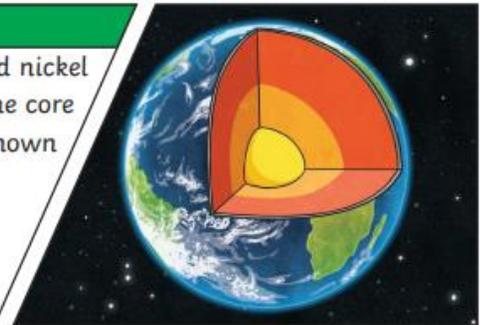
Fossils

Sedimentary rocks are formed by small particles of other rocks, along with minerals and plants, being squashed over many years to form a solid layer of rock. Over time, this process is repeated and forms lots of layers in the rock. Fossils are the remains of plants and animals that died as these layers were being formed and were preserved in the rock.



The Earth's core

The earth's core is made up of solid iron and nickel and it is as hot as the surface of the sun. The core is hot enough to melt rock, which is then known as magma.



X-rays

Bones are used for supporting our bodies, protecting our organs and allowing our limbs to move. X-rays are electromagnetic radiations that can pass through opaque materials and enable us to see images of things inside our bodies, such as bones, teeth and joints.



Famous Scientists we will learn about in this topic:

Marie Curie: female scientist, worked on x-rays

Joseph Banks, a botanist

William Smith, a geologist who worked with fossils.

Inge Lehmann, a female seismologist

