

What knowledge do I already have?

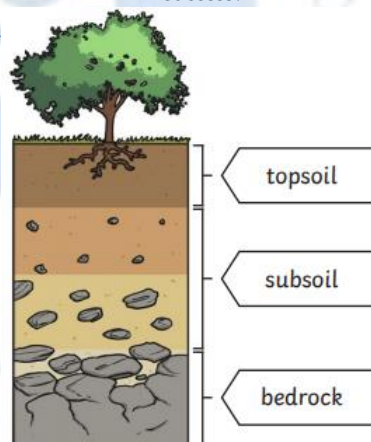
I know that rock is found in the ground.
I know that most plants grow in soil.
I know that volcanoes produce lava.
I know that rock is a hard material.

What will I know by the end of the unit?

There are 3 types of naturally formed rock. I will be able to name them and describe how they were formed.
Soil is the upmost layer of the earth.
When an animal dies, it gets covered with sediment which turns to rock. Over thousands of years, some sediment might get into the mould which creates a cast fossil. Erosion and weathering may expose the fossil in coming years.

Values

Challenge	Can we find the best soil for our allotment?
Commit	What test could we plan? How will we make it fair?
Conquer	What will we be finding out when we carry out our enquiry?
Celebrate	How will we share our success?



Technical vocabulary

igneous rock	Rock that has been formed from magma or lava .
sedimentary rock	Rock that has been formed by layers of sediment being pressed down hard and sticking together. You can see the layers of sediment in the rock.
metamorphic rock	Rock that started out as igneous or sedimentary rock but changed due to being exposed to extreme heat or pressure.
magma	Molten rock that remains underground.
lava	Molten rock that comes out of the ground is called lava .
sediment	Natural solid material that is moved and dropped off in a new place by water or wind, e.g. sand.
permeable	Allows liquids to pass through it.
impermeable	Does not allow liquids to pass through it.
fossilisation	The process by which fossils are made.
palaeontology	The study of fossils.
erosion	When water, wind or ice wears away land.