Key facts

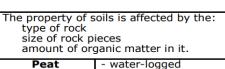
Soils

Soil is one of the three major natural resources, alongside air and water. .

- Soils are made up of pieces of ground down rock which may be mixed with plant and animals matter.
- The type of rock, size of rock pieces and the amount of organic matter affect the property of the soil.
- Soil is the uppermost layer of the Earth. It is a mixture of different things:
- minerals (the minerals in soil come from finely broken-down rock);
 - air;
 - water;
- organic matter (including living and dead plants and animals).

Fossils

Some rocks contain fossils.



- contains partially decomposed plant material

- soft and easily compressed



- light and dry ots of air gaps so water drains through quickly



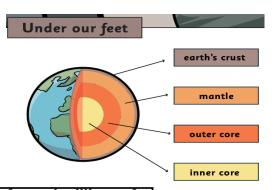
 stony and water drains through quickly
 found in areas with lots
of chalk



very sticky when weta heavy soilwater does not drain through it quickly



Year 3 Science
Spring 1
Fossils and Soils
Science strand: Chemistry



Vocabulary

Word	Definition
Skeleton	A collection of bones
Fossilisation	the process through which a fossil is formed
Fossils	The remains or trace of a living thing that lived a long time ago.
Sediment	Small pieces of soil, sand, gravel and small rocks.
rock	A natural material found on or underneath the Earth's crust
Shell	A hard covering on the outside of an animal's body.
nutrients	chemical compounds found in food that the body uses to function and stay healthy
Soil	a mixture of small rocks, organic matter and water
Deforestation	intentional clearing or cutting down of forests

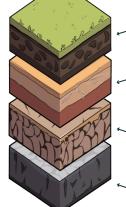
Fossils were formed millions of years ago.

- 1 Plants and animals died and sank to the seabed.
- 2 The soft parts decayed away leaving the hard parts.
- **3** The hard parts were covered and squashed by many layers of sand and other materials.
- 4 The animal/plant matter dissolves and is replaced by minerals, leaving a replica of the original bone called a fossil.









Top soil which is full of nutrients and contains rotting plants and organisms.

Subsoil which is tightly packed soil, lighter in colour to the top soil as it contains fewer nutrients.

Rocky soil which is rocks that are breaking down in to soil.

Bedrock which is just rock.



