red soils tend to have a lot of iron within them, whilst one of the reasons the

Black Country was given its name was because of its black soil, which was caused by the thick layers of coal below the surface.

Vocabulary					
Absorb	Soak up or take in.				
Bedrock	The solid rock in the ground which supports all the soil above it.				
Decaying	Gradually being destroyed by a natural process.				
Grain	A tiny, hard piece of a whole, such as sand or salt.				
Igneous	Rocks that are formed by volcanic action or intense heat.				
Imprint	A mark or outline made by the pressure of one object on another.				
Leaf litter	Decaying leaves.				
Magma	Molten rock that is formed in very hot conditions inside the earth.				
Man-made	Things that are created by people.				
Metamorphic	Rocks that have had their original structure changed by pressure and heat.				
Mineral	Something that is formed naturally in rocks and in the earth.				
Molten	Something that has been heated to a very high temperature and has become a hot, thick liquid.				
Natural	Things that exist in nature and are not made by people.				
Nutrients	Substances that help animals and plants to grow.				
Palaeontology	The study of fossils as a guide to the history of life on Earth.				
Permeable	A substance that some liquids and gases can pass through or soak into.				
Porous	Something with many small holes in that allows some liquids and gases to pass through.				
Prehistoric	The time in history before any information was written down.				
Preserve	To protect from decay .				
Pressure	The force produced by pressing hard on something.				
Properties	The qualities or features that belong to something and make it recognisable.				
Rock	A solid mass made up of minerals . Rock forms much of the Earth's outer layer, including cliffs and mountains.				
Sediment	Solid material that settles at the bottom of a liquid, especially earth and pieces of rock that have been carried along and then left somewhere by water, ice or wind.				
Soil	The substance on the surface of the Earth in which plants grow.				
Surface	The flat, top part or the outside of something.				
Surrounding	To be present all around.				
Volcano	A mountain from which molten rock , gas, steam and ash from inside the Earth sometimes burst.				
Weathered	Affected by the weather.				



Hurst Hill Primary School Knowledge Organiser

Science	Rocks	Year 3	Summer 1	Chemistry
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Chemistry is the science that deals with the composition and properties of substances and various elementary forms of matter.

Statutory requirements

Pupils should be taught to:

- compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- describe in simple terms how fossils are formed when things that have lived are trapped within rock
- recognise that soils are made from rocks and organic matter.