

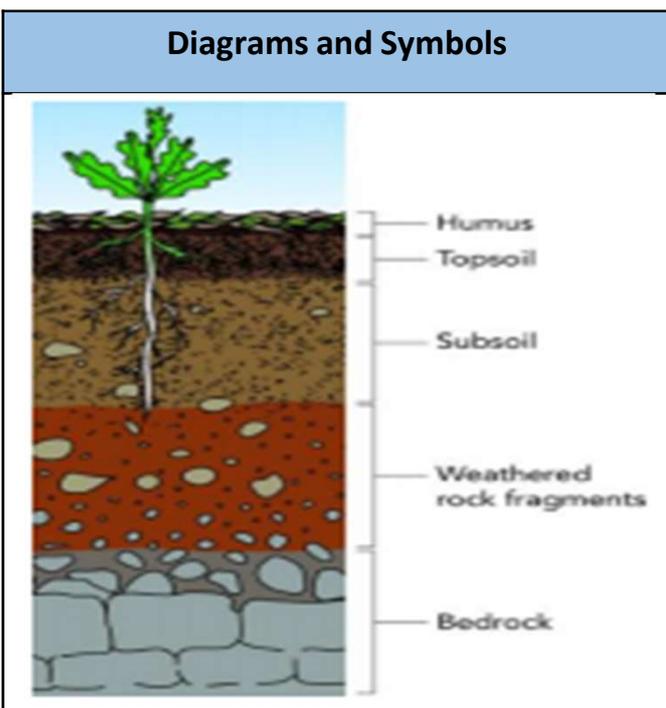
Leesons Primary School– Knowledge Organiser

Science Focus	Rocks	Year 3	Spring 1
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What? (Key Knowledge)	
Igneous rocks	are very hard, dark and heavy. They are formed when molten magma from a volcano cools down. They tend to have interlocking grains giving the rock a crystalline appearance. EXAMPLES: granite, basalt, obsidian
Metamorphic rocks	are rocks which have been changed over time by pressure or heat. Fossils can be found in metamorphic rocks if plants and animals have been trapped in the rocks. They are hard but can be damaged by acids. EXAMPLES: slate, marble
Sedimentary rocks	are formed by sediment (which includes minerals, small pieces of plants and other organic matter) that is deposited over time. The sediment is compressed over a long period of time before it become solid layers of rock. EXAMPLES: sandstone, limestone, flint, chalk

Statutory requirements
<ul style="list-style-type: none"> - 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

What? (Key vocab)	
Spelling	Definition
Rocks	made up of grains that are packed together
Mineral	solid chemical substances that occur naturally
Fossil	the remains or impressions of a prehistoric plant or animal embedded in rock
Magma	liquid rock inside a volcano
Sediment	dead animals, plants or pieces of rock that settles to the bottom of a liquid
Lava	liquid rock which flows out of a volcano (ranges from 700 to 1200 degrees centigrade)
Sedimentary	a rock formed from the build-up of sediment at the bottom of rivers or oceans
Metamorphic	an igneous or sedimentary rock that has been changed by extreme heat or pressure



Possible experiences	
	<ul style="list-style-type: none"> -Children can compare and contrast different rocks in the environment and begin to understand the different types. -Build a rockery from examples from recyclable materials