Rubies Knowledge Organiser - Science - Rocks and Soils

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Types of Rock - There are three main types of rocks							
IGNEOUS	METAMORPHIC		SEDIMENTAR	х У			
Far underground the temperature is so hot, rock melts into a liquid (molten rock). When the liquid is underground it is called magma and it can cool to form igneous rock.	Metamorphic rocks are formed under the surface of the earth from the change (metamorphosis) that occurs under the intense heat and pressure (squeezing).	Rocks of by wind settle of even re time lay	These rocks form under the sea. Rocks are broken into small pieces by wind and water (erosion). They settle as mud, sand, minerals and even remains of living things. Over rime layers build up and the pressure turns this sediment into rock.		Slate	Granite Sandstone	
						Soils Top soil - full of nutrients and contains rotting plants and organisms. Subsoil - tightly packed soil, lighter in colour to the top soil as it contains fewer nutrients. Rocky soil - rocks that are breaking down in to soil. Bedrock - just rock.	
What is soil made from? AIR - Oxygen, carb dioxide, nitrogen e	I his is the remains or t	he	Key Vocabula decay To rot o		y • decompose.	Read All About it! Can you find these books in your local library?	
ORGANIC MATTER Living and dead pla and animals.	R – prehistoric plant or anir	nal	erosion	When wate wear away i	r and wind rocks and soils.	PEBBLE POCKET	
WATER - Air and v fill the gaps betwe			geologist	•	who studies ocks.		
particles of soil. MINERALS - From broken down rock.			permeable	Allows liquid to pass through it. Something that does not allow water to pass through is impermeable .		SCENCE VOINS THE ROCK PACTORS ASSOCIATION ROCK AND STORES ASSOCIATION R	

Rock Recognition!