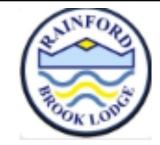
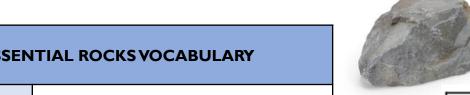
## **KNOWLEDGE ORGANISER**

## Rocks







ESSENTIAL ROCKS VOCABULARY				
extrusive igneous rock	rock that has been formed from molten lava and either cooled quickly or slowly			
igneous rocks	rocks created from solidified lava			
intrusive igneous rock	rock that has been formed under the Earth's surface over a long period of time			
magma	hot liquid rock below the surface of the Earth; when a volcano erupts it can be seen and is called lava			
crystals	a solid, clear mineral formed when liquid is cooled into a solid			
sedimentary rock	rocks that are made from layers of sediment that has been subjected to heat and pressure			
limestone	a type of sedimentary rock			
metamorphic rock	rocks that have changed from igneous or sedimentary through heat and pressure			
sandstone	a type of sedimentary rock made from layers of sand that has built up over millions of years			
weathering	the wearing away of rocks which are broken down into smaller pieces			
acid rain	rain which has been made too acidic by air pollution			
erosion	the wearing away of rocks by wind or water			
material	anything that is used to make something else			
property	the way in which a material is describe			

a shiny and strong material that is found in the

ground

metal

chalk	flint	marble	limestone	sandstone	granite
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	Igneous Rock	Metamorphic Rock	Sedimentary Rock	
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.		And the state of t		
		Metamorphic rocks are formed under the surface of the earth from the change (metamorphosis) that occurs under the intense heat and pressure (squeezing).	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 time layers build up and the pressure turns this sediment into rock.	

## What is geology?

Geology is a branch of natural science concerned with the Earth and other astronomical objects, plus the rocks of which they are composed.

MAKING LINKS TO PREVIOUS LEARNING GOLDEN VOCABULARY				
Materials (Y2)	Everything is made out of a material.			
Materials (Y2)	You can describe rocks using their properties.	2		
Everyday Materials (YI)	Metal is found in the ground.			

## What is soil made from?

AIR – Oxygen, carbon dioxide, nitrogen
ORGANIC MATTER – Living and dead
plants and animals
WATER – Air and water fill the gaps
between particles of soil
MINERALS – Broken down rock.

