#### Rocks

Key Vocabulary		Key Knowledge			
igneous rock	Rock that has been formed from magma or lava.	There are three type	es of naturally occur Sedim	rring rock. entary	
sedimentary rock	Rock that has been formed by layers of sediment being pressed down hard and sticking together. You can see the layers of sediment in the rock.	Igneous			Metamorphic
			Natural Rocks		Human-Made
matamounhia	Rock that started out as igneous	Igneous	Sedimentary	Metamorphic	Rocks
rock	or sealmentary rock but changed due to being exposed to extreme	Obsidian	Chalk	Marble	Brick
	heat or pressure.				
	Molten rock that remains underground.	Carl Carl	MAR AND INCOM		
magma		Granite	Sandstone	Quartzite	Concrete
Ιανα	Molten rock that comes out of the ground is called lava.	AAR			
	Natural solid material that is	Basalt	Limestone	Slate	Coade Stone
sediment	moved and dropped off in a new place by water or wind, e.g. sand.				
permeable	Allows liquids to pass through it.	Some words you might use to discuss the properties of a rock:			
impermeable	Does not allow liquids to pass through it.	hard, soft, <b>permeable</b> , <b>impermeable</b> , durable (meaning resistant to weathering), high density, low density. Density measures how 'bulky' the rock is (how tightly packed the molecules are).			





Key Vocabulary		Ke
fossilisation	The process by which fossils are made.	Soi
palaeontology	The study of fossils.	
erosion	When water, wind or ice wears away land.	

Caves are formed when water permeates through the bedrock and erodes some of the rock away. Over thousands of years these caves can become very large.



#### Key Knowledge

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).



Fossilisation				
An animal dies. It gets covered with <b>sediments</b> which eventually become rock.	More layers of rock cover it. Only hard parts of the creature remain, e.g. bones, shells and teeth.	Over thousands of years, sediment might enter the mould to make a cast fossil. Bones may change to mineral but will stay the same shape.	Changes in sea level take place over a long period.	As <b>erosion</b> and weathering take place, eventually the fossil becomes exposed.
		Contraction of the second seco		





# Plants

Key Vocabulary		Parts of a Plant		
fertilisation	<b>Fertilisation</b> is the process whereby part of the pollen combines with an ovule in the <b>flower's</b> ovary, producing a <b>seed</b> that can grow into a new plant.	Fruit encases a plant's seeds and is often		- <b>Flower</b> produces seeds that can grow
flower	A <b>flower</b> is the part of a plant that makes <b>seeds</b> , which grow into new plants. Most flowering plants only grow <b>flowers</b> for a short time each year.	eaten by animals		into new plants <ul> <li>Leaf</li> <li>absorbs sunlight</li> <li>to make the</li> </ul>
germination	<b>Germination</b> is the process by which a <b>seed</b> starts to grow.	<b>Stem</b> transports water		plant's food
leaf	A <b>leaf</b> is the part of a plant that makes food for the plant by absorbing energy from sunlight.	and food around the plant air and nutrients from t can store food and wate		t, take up water, from the soil and d water
nutrients	<b>Nutrients</b> are substances that are needed by living things to grow and	What Does a Plant Need to Grow?		
	survive. Most plants gather <b>nutrients</b>	water	light	air
			ingin	
pistil	The <b>pistil</b> is the female part of the flower that includes the stigma, style and ovary. The stigma collects pollen.			
	The style connects the stigma to the ovary. The ovary contains ovules, which develop into <b>seeds</b> after they have been <b>fertilised</b> .	space	nutrients	temperature



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### Plants

Key Vocabuları	J	Life Cycle of a Flowering Plant	
pollination	<b>Pollination</b> is the process whereby pollen (a fine powdery substance produced by a flowering plant's anther) is moved to a flower's stigma.	growth	
pollinator	A <b>pollinator</b> is an animal that carries pollen between <b>flowers</b> . Examples include insects, birds and bats.		
roots	<b>Roots</b> are the part of a plant that anchor the plant into the ground and absorb water, air and <b>nutrients</b> .	flowering flowering	
seed	A <b>seed</b> is a small, <b>fertilised</b> ovule of a plant that, when in the right conditions, can grow into a new plant.	Parts of a Flower	
seed dispersal	<b>Seed dispersal</b> is the method of moving <b>seeds</b> away from the parent plant so the <b>seeds</b> have the best chance of survival.	pistil { stigma style ovary	
stamen	The <b>stamen</b> is the male part of the flower that includes the anther and the filament. The filament supports the anther. The anther produces pollen.	petal anther	
stem	A <b>stem</b> is the central part of a plant, which supports it and carries water and <b>nutrients</b> around it.	stamen (filament / sepal	

# Seed Dispersal

Plants disperse their seeds in a variety of ways.







(carrying)



animal (eating









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