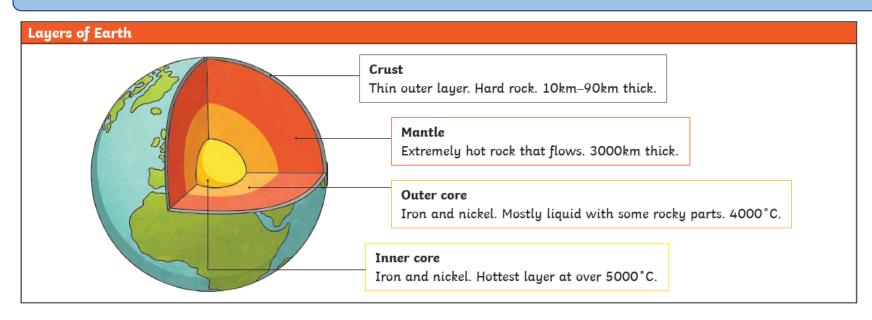
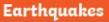
Rocks, Relics and Rumbles - Knowledge Organiser - Y4 Spring 1



Volcanoes

- Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing magma to sometimes erupt through it.
- Active volcanoes have erupted in the last 10 000 years.
- Dormant volcanoes haven't erupted in the last 10 000 years but may erupt again.
- Extinct volcanoes aren't expected to erupt again.



- Earthquakes are caused when the earth's tectonic plates
- suddenly move.
- Most earthquakes occur near the tectonic plate boundaries.
 - Earthquakes can cause lots of damage to roads, buildings and property.



Key vocabulary	
Crust	The outermost layer
	of the earth.
Erupt	To suddenly burst out
	causing lava to
	explode out of the
	earth's surface.
Gorges	A narrow valley with
	steep walls, found
	between hills or
	mountains.
Lava	Hot,liquid that flows
	from a volcano.
Magma	Hot,liquid rock
	located deep below
	the earth's surface.
Summit	The highest point of
	the mountain.
Tectonic plate	Pieces of the earth's
	crust connected
	together.

Mountains

- · Mountains are a natural part of the landscape with steep slopes.
- They rise above 300m.
- They have a summit of at least 600m.
- Some mountains are found in groups called a mountain range but some mountains can be on their own.
- No
- Mo

 Not all mountains are single summits. Mount Everest is the highest mountain in the world – 8848m. 						
How Are Mountains Made?						
Fold mountains	Fault-block mountains	Volcanic mountains	Dome mountains	Plateau mountains		
Tectonic plates collide and rock is pushed up.	Cracks in the earth's surface open up, some chunks of rock are pushed up, some down.	Formed around volcanoes and made of layers of ash and cooled lava.	Formed when magma is forced upwards but doesn't ever flow out of the crust.	Materials taken away through erosion leave deep valleys or gorges next to high cliffs.		
				Frank		

