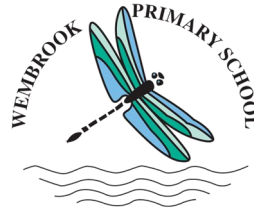
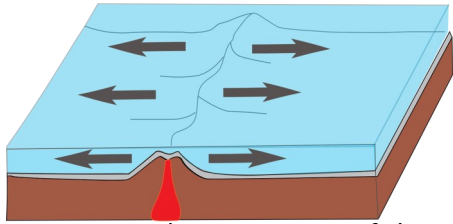


Knowledge Organiser Volcanoes (Geography)

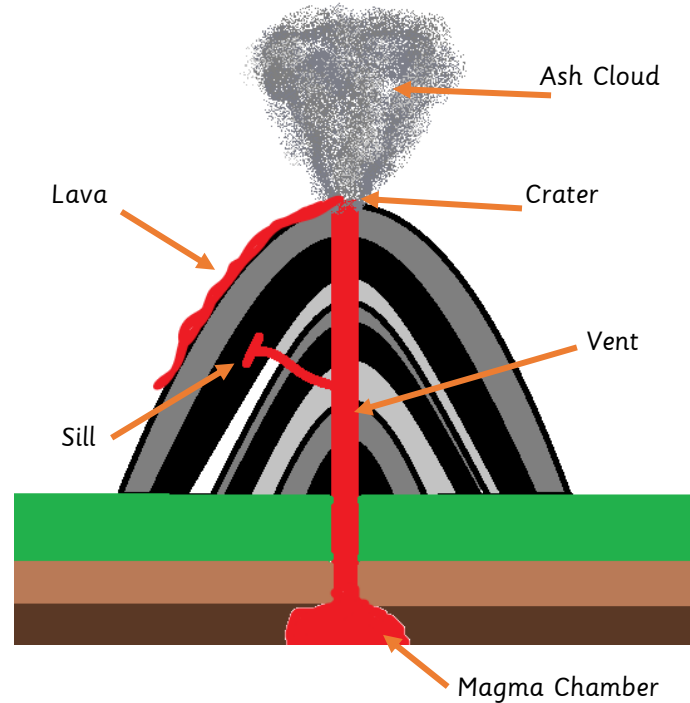


Tectonic Plates



Tectonic plates are part of the Earth's crust. Where the plates meet, there is a much higher chance of a volcano forming due to the gap between the plates. When the plates press against each other, mountains are formed. Sometimes, they can rub alongside each other and cause an earthquake!

A cross section of a volcano



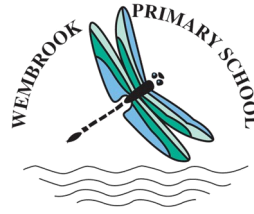
FUN FACT!


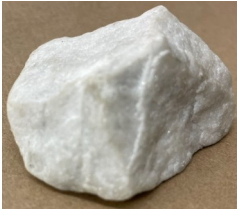
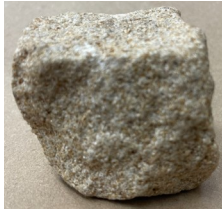
Molten rock that is still inside a volcano is called magma. Molten rock which has come out of a volcano is called lava!

Key Vocabulary

Volcano	A vent in the surface of the earth where ash and magma can erupt.
Eruption	When lava and hot rocks burst from the volcano due to a build up of pressure.
Crater	A circular dent formed by a volcanic event such as an explosion or collapse.
Tectonic plates	Tectonic plates are pieces of the Earth's crust which are constantly moving. Volcanoes, earthquakes and mountains can be found where the plates meet.
Active	A volcano that is erupting or has erupted in the past and is likely to erupt again.
Dormant	A volcano which is inactive but has a chance of erupting again.
Extinct	A volcano which has not erupted in human history.
Ring of fire	The ring of fire is a series of volcanoes that surround the Pacific Ocean.
Pompeii	An ancient Roman city that was lost after the eruption of Mount Vesuvius.

Knowledge Organiser Rocks (Science)



Igneous Rock	Metamorphic Rock	Sedimentary Rock
		
Basalt	Marble	Sandstone

Key Vocabulary	
Igneous rock	Rock that has been formed from magma or lava.
Metamorphic rock	Rock that started as igneous rock or sedimentary rock but has changed due to a high level of pressure and heat.
Sedimentary rock	Rock that has been formed by layers of sediment being pressed together with a lot of pressure.
Sediment	Natural material that is moved and deposited in a new place. This can be done by water or wind. One example of this is sand.
Permeable	Allows liquid to pass through it.
Impermeable	Does not allow liquid to pass through it.
Magma and Lava	Magma is molten rock that is underground. Lava is molten rock that has come out of the ground.
Fossil	A fossil is formed when living things are trapped within a rock when it is forming,
Erosion	When rocks and soil are worn away (such as by water from the sea).

FUN FACT!

Dis you know that you may find some rocks in your home?! We still use rocks in our kitchen such as granite counter-tops and marble pestle and mortars!



Here is an example of a fossil. We can clearly see the shell of an animal which has left an impression on the rock as it has formed.