

Knowledge Organiser – Year 4/5/6

The Power of Nature



Physical Geography	What are the three main layers of the Earth called?	The core, the mantle and the crust.
	What do we call molten (liquid) rock inside the Earth?	Magma
	What do we call molten (liquid) rock that comes out of a volcano?	Lava
	The Earth's crust is not one complete layer but is made up of plates – rather like a cracked egg shell. These plates can move. What do we call the movement of these plates?	Plate tectonics.
	How many major plates are there? (There are lots of smaller plates too)	8
	What do we call a volcano that has not erupted for a long time?	Dormant
Locational Geography and history.	In which country would you find Mount Vesuvius?	Italy
	What is the name of the town which was destroyed by the eruption of Mount Vesuvius?	Pompeii
	What is the technical name for the ash cloud (filled with gas, ash and small pieces of rock) which comes from a volcano?	Pyroclastic flow
	The most famous eruption of Mount Vesuvius destroyed the city of Pompeii. When did it take place?	79 AD
	What do we call a volcano that has erupted in recent history?	Active
Science	What are the three words we use to describe how much light an object lets pass through it?	Opaque, translucent and transparent.
	What is the main source of light which we use to see?	The Sun
	What does light do to an object which allows us to see the object?	It reflects the light.
	Light travels from a light source in a straight line. The speed it travels is known as the speed of light. What is the speed of light?	300 000 000 metres per second

Next half term we will be using our knowledge of light to learn more about space. Here are some websites if you want to get ahead:

Find out more about our solar system. [BBC Bitesize solar system](https://www.bbc.com/1/learn/2016/06/160623_solar_system)

A great site for all things space <https://www.esa.int/kids/en/learn>

NASA 's interactive site for children <https://www.nasa.gov/kidsclub/index.html>