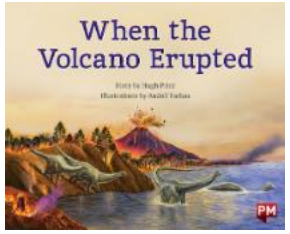
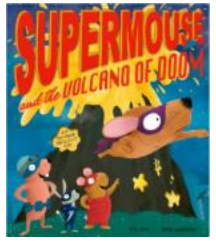
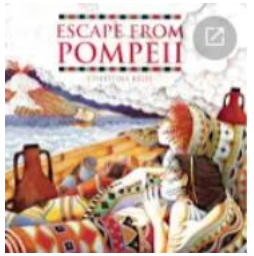
Y3 Knowledge Organiser – Autumn 2

What we are reading this half term:









Geography - Is the Earth Violent

In Geography this half term, we will explore the powerful forces of nature through our exciting topic, *Is the Earth Violent?* We will investigate earthquakes, volcanoes and tsunamis, discovering how and why they happen.

We will learn about the structure of the Earth, explore where natural disasters occur around the world and investigate the impact they have on people and communities. We will also discover how people prepare for and respond to these events.

English

Lots of our reading and writing will link to our exciting topics and the Christmas season. We will develop our storytelling skills by retelling *The Christmas Story*, focusing on using interesting vocabulary, accurate punctuation and correctly formed sentences.

Mathematics

This half term, we will be learning to:

- Add and subtract numbers up to 1,000.
- Use column addition and subtraction, including renaming (exchanging).
- Develop mental strategies for addition and subtraction.
- Recall and use the 3, 4 and 8 times tables.
- Multiply and divide by 3, 4 and 8.
- Solve multiplication and division problems using equal groups and arrays.
- Use our knowledge to solve practical problems.

Science - Sound

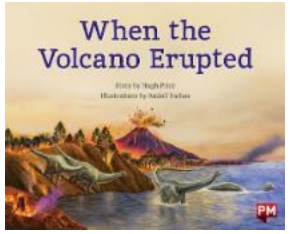
In Science, we will explore electricity and how it is used in everyday life. We will investigate electrical circuits, learning how to connect components such as batteries, bulbs and switches. We will discover which materials are conductors and insulators before applying our knowledge to design and make our own working torches.

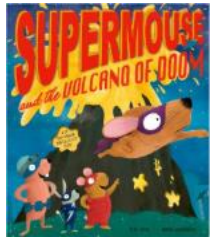
Science Vocabulary	Definition
Electricity	A form of energy that can make things work.
Circuit	A complete path that electricity can flow around.
Conductor	A material that allows electricity to flow through it.
Insulator	A material that does not allow electricity to flow through it.
Switch	A device that opens or closes a circuit to control the flow of electricity

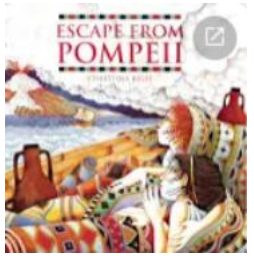
Geography Vocabulary	Definition
Volcano	An opening in the Earth's crust where molten rock, ash and gases can escape.
Eruption	When lava, ash or gases burst out of a volcano.
Magma	Hot, melted rock found beneath the Earth's surface.
Lava	Melted rock that has reached the Earth's surface.
Earthquake	A sudden shaking of the ground caused by movement in the Earth's crust.
Tectonic plates	Huge pieces of the Earth's outer layer that move very slowly.
Natural Disaster	A dangerous natural event that causes damage or harm.
Tsunami	A series of powerful sea waves, usually caused by an underwater earthquake.

Y4 Knowledge Organiser – Autumn 2

What we are reading this half term:









Geography - Is the Earth Violent

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We will learn about the structure of the Earth, explore where natural disasters occur around the world and investigate the impact they have on people and communities. We will also discover how people prepare for and respond to these events.

English

Lots of our reading and writing will link to our exciting topics and the Christmas season. We will develop our storytelling skills by retelling *The Christmas Story*, focusing on using interesting vocabulary, accurate punctuation and correctly formed sentences.

Mathematics

This half term, we will be learning to:

- Add and subtract numbers up to 10,000.
- Use column addition and subtraction, including renaming (exchanging).
- Develop mental strategies for addition and subtraction.
- Recall and use multiplication facts, focusing on the 6, 7, 9, 11 and 12 times tables.
- Use related division facts to solve problems.
- Solve multiplication and division problems using different strategies.
- Apply our knowledge to reasoning and word problems.

Science - Sound

In Science, we will explore electricity and how it is used in everyday life. We will investigate electrical circuits, learning how to connect components such as batteries, bulbs and switches. We will discover which materials are conductors and insulators before applying our knowledge to design and make our own working torches.

Science Vocabulary	Definition
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