



Year 3

Autumn 2 – Rocks, Relics & Rumbles

This term learning focuses on rocks, earthquakes and volcanoes.



English

Children will:

- Learn about the features of poetry
- Construct their own poem about a volcano
- Learn how to use a thesaurus
- Understand the structure and features of a diary entry
- Write their own diary entry based on a character from a book.

Maths

Children will learn how to:

- Use models to support their addition and subtraction.
- Multiply and divide by 3, 4 and 8.
- Solve various word problems using multiplication and division.

Science

Children will learn about:

- Different types of rocks and how they are formed
- The 3 categories of rock: igneous, metamorphic and sedimentary.
- The main components of soil.
- Drawing conclusions in their understanding of how fossils are made.

Geography

Children will:

- Learn about what is actually beneath their feet – We will be learning all about the various layers of the Earth and how far away the core really is
- The ring of fire – where the tectonic plates meet
- What happens to the tectonic plates in order to create an earthquake.

PSHE

Children will:

- Consider what stereotypes there are for boys and girls
- Learn how to challenge those stereotypes and recognise them
- Consider what is different about us all and understand that it is good to be different.

DT

Children will:

- Consider what features make a good pencil case
- Evaluate existing pencil case designs
- Design and make out own pencil case out of cotton fabric.

Computing

Children will:

- Learn about how data can be organized into branching data bases.
- Learn what closed (yes/no) questions are and how these can help form a branching database

PE

Children will improve their physical development by:

- Learning a dance routine
- Executing the routine in unison to a song
- Experiment with slowing down and speeding up different moves.

Religion & World Views (RAW)

Children will:

- Hear parables from different religions and determine what the message is behind the story
- Consider what messages are most important to them.eir religion.

French (MFL)

Children will learn how to:

- Recognise, recall, and spell up to ten animals in French.
- Understand better that articles/determiners have more options in French than they do in English.

Music

Children will learn how to:

- Understand and describe different purposes of music in history.
- Create melodic phrases using graphic notation.
- Use graphic notation to compose a piece of music.



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Suggested Reads

Natural Disasters
By Johanna Haney

Earthquakes and Tsunamis
By Ben Hubbard

Earth Shattering Events
By Sophie Williams

The Pebble in my Pocket
By Meredith Hooper

Escape from Pompeii
By Christina Balit

Useful Websites

School website-phonics
<https://www.cambridgeschool.hants.sch.uk/page/?title=Phonics&pid=1052>

Phonics play
<https://www.phonicsplay.co.uk/>

Top marks
<https://www.topmarks.co.uk/maths-games/5-7-years/counting>

Times table Rock stars
<https://play.trockstars.com/aut>
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Suggested Experiences

Visit the Natural History Museum to see...

- The earthquake simulator, showing what it was like during the 1995 Kobe, Japan earthquake
- The heat suits and field equipment used by scientists studying volcanoes



Optional Home learning project

Can you create a model volcano and mimic an eruption? Can you use materials different to our hook day?



Make Your Own Volcano Science Activity

You will need:

1. Washing up liquid
2. Vinegar
3. Plastic cup
4. Bicarbonate of soda
5. Red food colouring



You could build a paper mache volcano and put the cup inside it for extra effect!

Method:

1. Fill your cup just over half full with water, add 3 teaspoons of bicarbonate of soda and give it a good stir until most of the bicarbonate of soda dissolves.
2. Add two drops of red food colouring and a good squirt of washing up liquid into the cup and once again give it a stir.
3. Make sure your volcano is in the kitchen or outside (or somewhere you don't mind making a mess).
4. Quickly pour in just under a quarter of a cup of vinegar and enjoy your very own volcanic eruption!

The science behind it:

You just made a chemical reaction! By mixing the acid (vinegar) and the alkali (bicarbonate of soda), bubbles of carbon dioxide (CO_2) were released like in a pyroclastic flow. A pyroclastic flow moves very fast and is extremely dangerous, whilst lava flows move slowly and aren't much of a threat.