



Home Learning



Autumn 1 2023

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Year 4

**EARTHQUAKES &
VOLCANOES**

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Unlocking the Learning

As part of our home learning, we would like the children to take part in one or more of our creative homework projects that link to this half term's learning. Our topic for this half term is Earthquakes and Volcanoes, a Geography based topic looking at the causes and distribution of earthquakes and volcanoes and their effects on landscape and people.

We look forward to seeing the results and would like the children to bring in, or email, their completed projects to us by Monday, 23rd October, so that they can share and celebrate each other's talents before the end of term. We would ask that this project reflects a half term's worth of work, and demonstrates the children's own work, although we really appreciate your support in helping them complete their homework.

Please remember that if your child is unsure of their home learning then we can help with resources to complete their home learning, or discuss ideas with them. Please just email us for support. We believe it is very important that every child has the opportunity to engage with learning at home and will support however we can with this.

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| <p><u>Krakatoa</u></p> <p>In 1883 there was a major eruption. What happened? Who was affected? What can be seen of the site now? How will you present what you've found out?</p> | <p><u>Volcano model</u></p> <p>Make a model of a volcano and use bicarbonate of soda, vinegar and some washing up liquid to make it erupt! You could video it or bring it to school and we can erupt it here!</p> | <p><u>Eyjafjallajökull</u></p> <p>In 2010 the Volcano in Iceland called Eyjafjallajökull erupted affecting planes across the world. Why was flying affected and how long did it take until it was normal again. Draw the eruption and write about it.</p> | <p><u>Japan</u></p> <p>The Japanese people learn all about earthquakes and have a safety drill they follow. What do they need to do? You could show it as a set of instructions or act it out and video it. Send the video in via email.</p> |
| <p><u>Eruption</u></p> <p>Sketch or paint a picture of a volcano mid eruption, How will you use colour to show the molten rocks spewing from the middle of the volcano?</p> | <p><u>Earth</u></p> <p>Make a model of the earth showing the different layers and use them to explain how the plates in the earth move.</p> | <p><u>Volcano quiz</u></p> <p>Research different volcanoes and write a true or false quiz for your family or classmates to answer.</p> | <p><u>Richter Scale</u></p> <p>Draw the Richter Scale and use it to explain how scientists measure how powerful an earthquake is. Use a table to record the size of different earthquakes which have happened recently. https://earthquake.usgs.gov/earthquakes/map/</p> |

As readers, we will be developing our comprehension skills by analysing different text types using retrieval and inference skills. We will look at how the author has used vocabulary to convey meaning in the text.

How does the Earth shake, rattle and roll?
As Geographers, we will be learning about earthquakes and volcanoes, how they are formed and the effects of some of them. We will learn about where they are in the world why people live in these areas. We will be able to name some of the main disasters involving earthquakes and volcanoes.

Using our computing skills we will be using commands to programme a turtle to draw shapes, letters, patterns and repeat these through the use of code loops. These will develop into algorithms as code.

In P.E. we will be developing outdoor orienteering skills using the school grounds as a base. We will be using symbols and building sequences of instructions to move around an area.

As writers, we will be writing letters, diaries, narratives and developing a story ending to develop dialogue and our writing. We will be using a range of adjectives, fronted adverbials and practising rules of speech.

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As individual readers, we will focus on developing fluency and intonation through reading with an adult using modelling and paired reading.

As scientists, we will be learning about sound and how it is made. We will be looking at how we can change pitch and volume focusing on musical instruments. We will be using data loggers to record pitch and volume changes.

As mathematicians, we will be further developing our understanding of place value, partitioning, comparing and ordering numbers. We will recap tables learned in Y3 and then start with the six times table. We will be learning number bonds to 100 and counting in 25s for our chants.

As artists, we will be developing our sketching skills, using shading, different pencil grades and using different techniques to achieve shading and smudging.

In PHSE, we are starting our wellbeing learning with a unit on thinking positively, developing our understanding of positive and negative thoughts and how to focus on the positive.

What do Hindus believe that God is like?
In R.E. we will learn about the Trimurti, Aum and how these are symbols of God being everywhere for Hindus. We will learn about worship and the role of Puja.