

Topic - Geography

In our topic, 'What makes our Earth extreme?' the class will explain how volcanoes are created and be able to locate and name some of the world's most famous volcanoes. They will discuss and explain the risks and benefits of living by volcanoes. They will describe how earthquakes are created, how they are measured and explain what causes tornadoes and the effect they have. This has links to the previous science learning about animals and their habitats.

Science

States of matter: We will be investigating the properties of solids, liquids and gases. The class will experiment with changes of state, recording observations and temperatures with thermometers and data loggers. They will be using their own questions to devise fair tests and carry these out, discussing their findings and conclusions. They will apply their knowledge of states of matter to learning about the Water Cycle next half term.

PE

Gym (Rotation)

The class investigate different types of twists, turns, pivots, rolls and movement across mats and equipment, building up and refining sequence and pattern for a performance

Football

The class will practise aiming, marking and defending in small groups and larger competitive games.

French

Our vocabulary will focus on zoo animals and pets. We will look at the spellings of this vocabulary and start to apply our previous vocabulary of colours.

PHSE

In **Working Together**, the class will be encouraged to recognise strengths and skills, develop communication and group work skills, as well as persevering with difficulties. Anti-bullying is incorporated into our Well-being work.

Music

Classical variations: In this unit the class will analyse two famous works by Mozart and Beethoven and use specific compositional techniques to compose their own variations. They will play these themes on the glockenspiels and using Dot and Line notation to record their work.

Literacy

We will be reading 'Escape From Pompeii' for our non-fiction focus of recounts and chronological reports. This links to our Extreme Earth topic and will include oracy when presenting their Newsround reports. We will read 'The Great Kapok Tree' for our narrative of stories that raise issues.

Throughout these units there will be a strong focus on **spelling, grammar and punctuation**.

Numeracy

We continue to work on multiplication and division. The children will apply their tables facts to a range of written methods and consider which are effective. They will apply the skills to other relevant maths, such as calculating perimeter. We then link division to fractions. There are opportunities each day to apply skills to problem solving and reasoning.

Computing

This half term the class will learn about **Programming – repetition in shapes**. They will investigate repetition in sequences, break tasks into smaller steps, draw shapes using sprites and create a program in a text-based language, such as Logo.

Year 4 Spring 1 What Makes Our Earth Extreme?



RE

We think about the big question, 'How do Sikhs put their beliefs about equality into practice?' We will look into what 'equality' and 'being fair' is and the importance of equality to the Sikh community. We will explore beliefs in equality in stories and texts, and look at the ways in which it is practised in the Sikh community. We will also consider how the Sikh belief in equality compares to our own.

Art/DT

This half term we look at **Portraits**. We will focus on eyes noses mouths and hair, pencil and colour, positioning of features, portraits by different artists, with a focus on Frieda Kahlo and Modigliani, whole body representation and colour to convey moods.