

**YEAR GROUP:** Years 4 and 5

**DATE:** Term 3

**TIME ALLOCATION:** Term 3

**TEACHERS:** Mrs Jesson and Mrs Loader

## Literacy

As readers we will be using books, internet sites and video clips to find out about Extreme Earth. As writers we will write diary entries as if we were a survivor of the eruption of Mt. Vesuvius in AD79. We will write stories using an extreme earth event as our starting point. We will extend our understanding of poetry by reading Haiku poems and writing our own. We will make warning posters to inform people about the precautions and actions to take in the event of an earthquake. As communicators we will write and perform an extreme weather forecast. We will create a TV advert to persuade people to donate to a disaster charity. We will also write questions and responses to prepare a script and perform an interview between an aid worker and a journalist.

## Maths

As mathematicians we will be following the curriculum for year 4 and 5. We will continue to use larger numbers in our maths and understand what the digits represent. We will be continuing to consolidate both mental and formal written methods for addition, subtraction, multiplication and division. We will reinforce using the formal methods accurately using larger numbers and practise using decimals too. We will also use all four operations with decimals and money. We will use all these methods and apply them to mental maths situations too. We will also use these skills and develop our problem solving skills solving more difficult one and two step problems. We will continue learning our times tables so that we know them by heart, practising for the weekly cracking times tables tests. We will look at coordinates and translation of shapes and measuring perimeter and area of shapes. In maths linked to our theme we will look at the value of negative numbers linked to temperatures on the top of mountains. We will create a interpret line graphs using mountain climate data.

## Science

As scientists we will learn about states of matter and be able to group materials based on their state. We will look at materials and how they change state. We will learn how to describe the water cycle and the all about the part played by evaporation and condensation in the cycle. We will learn how to measure temperature and investigate and explore at which temperature materials change. We will look at the science behind extreme weather and how meteorologists measure and investigate weather conditions. We will collect our own weather data over time and create charts and graphs.

## Computing

As computing experts we will use ICT to research information to find out volcanoes and earthquakes. We will use online mapping programs to locate famous volcanoes and earthquakes tremors. We will complete further coding and programming sessions and program weather stations using Roamers. We will look at weather data and displaying using a spreadsheet program.

# EXTREME EARTH



**TOLETHORPE**  
Year 4 and Year 5  
Term 3 2017

Year 4 and 5 will be working at the Ryhall Meteorology Centre. It is the place to go to find out anything at all about extreme weather. They specialise in recording data about earthquakes and volcanoes but also investigate other wild weather situations.

## Physical Education

Throughout our physical education sessions we will be completing circuit training sessions to increase and improve our fitness levels. We will complete some circuit training and then create our own training circuits in small groups for other groups to try during PE sessions. With Premier Sports coaches we will develop our Tag Rugby skills by learning the rules and practising many ball handling skills including passing backwards and throwing.

## Foreign Languages

In French we will be revising our vocabulary of colours and numbers and we will be learning different ways to greet different people. We will look at days of the week. We will find out about how to explain the weather in French and clothes we may wear for weather types.

## Religious Education

As religious educationalists we will be exploring how people express their spiritual ideas through the arts. We will be thinking about what the spirit is. We will discuss different pictures and music to find out how they make us feel. We will create spiritual music and art of our own.

## Geography

In Geography we will be looking at physical geography by focussing mainly on mountains, volcanoes and earthquakes. We will name and locate mountain ranges in the UK and worldwide. We will find out about the layers that make up the Earth. We will find out and investigate how a volcano is formed and how an eruption can affect people and communities. We will look at earthquakes, why they happen and how they are measured. We will investigate how to keep safe during an earthquake and how children are taught what to do during tremors. We will also look at other types of wild weather and how meteorologists and scientists find out about them and the types of data they collect. We will also spend some time researching a geographical issue looking at global warming and if humans are actually the cause of creating our extreme earth.

## History

As Historians we will look briefly at the volcanic eruption of the famous Mount Vesuvius in Pompeii and how it affected the people who lived there and how we know that life changed for the Romans people in Pompeii.

## Art and Design

As artists we will be looking at The Great Wave by Hokusai and link to learning about Tsunamis. We will look at how the work was created using printing techniques. We will create our own wave paintings. We will explore art showing volcanic eruptions and create our own erupting volcano.

## Design Technology

As designers we will design, create, evaluate a weather proof house. We will create a structure that can withstand wild weathers including wind, rain and earthquake tremors. We will also create a volcano using paper mache which will actually erupt!

## Music

As musicians we will be listening to a range of music piece of music portraying a storm and plan and perform our own similar pieces using different instruments. We will be learning how to play the recorder. We will learn how to read music and the notes that they relate to on a recorder in preparation for performing a piece at the upcoming Recorder Jamboree.