

# Tremors

Phoenix

Autumn Term 1, 2017

This term we will explore and compare the differences between things which are living, dead, and things which have never been alive. We will go on to investigate the physical properties of a number of rock types, relating their properties to their appearance. In addition, we will carry out scientific tests on a range of rocks to gather and record data to answer questions and find out how different rocks are formed, including those produced by volcanoes.

SCIENCE



## Poetry:

This term we will be writing volcanic poetry. During this unit we will concentrate on the effective use of language and consider more effective alternatives for words we use often. Some children will also explore the use of similes and metaphors to enhance their poetry.

## Newspaper reports:

Using real life volcanic eruptions and earthquakes as a stimulus, we will write our own newspaper reports breaking the news of a volcanic eruption or earthquake. We will concentrate on writing in the past tense and will use the features of report writing, including eye catching headlines. Some children will also begin to learn how to arrange their writing into paragraphs.

ENGLISH

This term the children will learn about the following areas building on their current understanding to do some of the following:

**Place value:** Locating, comparing and ordering numbers; understanding that 2-digit numbers are made up of 10s and 1s; comparing, ordering and understanding place value of 2- and 3-digit numbers; using prediction to estimate calculations.

**Properties of shapes:** Recognising and sorting 2D shapes by their properties using Venn and Carroll diagrams; understand the properties of 3D shapes.

**Mental addition and subtraction:** Re-capping number bonds to 10 and using these to solve related subtractions and more difficult additions, including addition and subtractions bridging 10; use multiple of 5 and 10 bonds to 100 to solve additions and subtractions; add and subtract 1-digit numbers to and from 2-digit numbers.

**Mental multiplication and division:** Doubling numbers up to double 15; know multiplication and division facts for the 5, 10, 2, 4 and 3 times-tables.

MATHEMATICS

We will learn to describe and understand key aspects of physical geography, including volcanoes and earthquakes. Using world maps, globes and atlases we will identify the locations of some of the world's active volcanoes including the 'ring of fire' and find out what causes them to erupt.

GEOGRAPHY

We will learn about the significant eruption of Mount Vesuvius and its impact on Pompeii. We will find out what a busy Roman town would have looked like at the time; including the people who would have lived there, the jobs they would have done and what it would have been like to be a child at that time.

HISTORY

We will look at the work of Andy Goldsworthy and use a range of natural materials, including rocks, to create interesting and dynamic artwork of our own.

ART AND DESIGN

We will use a range of modelling materials and tools to construct our own 3-D model volcanoes. We will also explore how structures can be made stronger, stiffer and more stable and apply this understanding in a challenge to construct earthquake proof buildings.

DESIGN TECHNOLOGY

## Year 2

The children will think about who and what influences us to live as we do, including religious leaders.

## Year 3

The children will explore the ritual of communion and other ways Christians show they belong to the church.

RELIGIOUS EDUCATION

We will carry out a field study to look at how different types of rocks are used in the local area. We will take digital images to record our observations and create photographic montages of rocks in our environment.

COMPUTING

The children will perform dances using a range of movement patterns. They will also play team games, developing and applying the principles of attacking and defending.

PHYSICAL EDUCATION

## Year 2

The children will learn to say the different parts of the body, before describing these using colours.

## Year 3

The children will learn the French alphabet and how to say the names of different family members.

FRENCH

We will listen to recordings of volcanic noise and work in groups to develop an atmospheric volcanic soundscape, exploring ways of combining sounds for dramatic effect.

MUSIC

This term our theme will be 'new beginnings'. The children will recognise how they feel and how to deal with changes in a positive way. The children will also discuss what they hope to achieve this year and have opportunities to appreciate and celebrate differences.

PSHE / SMSC