



CLASS 4 Year 5 Spring 2019 THEME - Journey to the Centre of the Earth

This is what we will learn about this term:

<p>As Scientists we will study the properties of materials. We will explore the process of dissolving and learn how to recover a substance from a solution. We will develop our knowledge of solids, liquids and gases. We will also explore the use of filtering, sieving and evaporation to separate mixtures. We will explore reversible and irreversible changes in materials and recognise how some result in the formation of new materials. We will plan appropriate types of scientific enquiries to answer questions. We will set up comparative and fair tests and identify which variables need to be controlled.</p>	<p>As Geographers we will develop our knowledge and understanding of the human and physical geography of the world. We will describe and understand key aspect of rivers and mountains including the location and characteristics of the world's most significant rivers and mountains. We will develop our knowledge and understanding of volcanoes, their locations around the world and the causes and consequences of volcanic activity. We will also explore the causes and consequences of earthquakes and develop an understanding of the water cycle.</p>	<p>As Historians we will find out about the eruption history of Mount Vesuvius and understand that this is the only active volcano in mainland Europe. We will find out about the eruption in 79AD and recognise that this is one of the most well-known ancient eruptions in the world. We will explore the effects of the eruption on the area and population at the time and what historians have been able to find out about how the people of Pompeii lived at that time.</p>	<p>As Design Technologists we will explore different materials and their properties linked to our work in Science. We will select from and use a wide range of materials according to their properties and aesthetic qualities. We will develop skills of cutting various materials using appropriate tools and with improved precision. We will also use a range of practical skills to create products according to our own designs. We will also use a range of baking and cooking techniques linked to our work in Science around changing materials.</p>	<p>As Artists we will develop our painting and collage skills. We will study work created by influential artists such as Monet and Matisse and develop our painting and collage techniques from these. We will use sketching to develop shape and form before painting. We will explore the qualities and effects of watercolor and acrylic paints and use different brush techniques to create textures. We will use the qualities of materials to create different visual effects and will create a display of the eruption of Mount Vesuvius.</p>
<p>As Musicians we will continue to develop our knowledge and understanding of music through Make You Feel My Love within Charanga Music. We will also develop our knowledge of composition using voices and instruments. Within these units we will listen and appraise different tracks. We will take part in musical activities to embed the interrelated dimensions of music (pulse, rhythm, pitch etc.) We will also compose and perform our music related to a river's journey.</p>	<p>In our Spiritual and Moral development we will develop our knowledge of the Christian faith. We will ask questions to develop our own understanding. We will question what we know about the Bible and why it is important to Christians. We will also consider why the Last Supper is so important to Christians. We will compare the beliefs and understandings of Christians with other world religions.</p>	<p>As good citizens, and in our personal and social development, we will focus upon celebrating difference and exploring our dreams and goals. We will think about what is 'normal' and understand how unique we all are in different ways. We will consider the importance of setting personal goals and also planning a plan to be successful and achieve our goals. We will also think about how having a positive attitude towards ourselves and others and how this can affect our success and relationships with others.</p>	<p>As Sportsmen we will develop our skills and techniques in gymnastics and dance. We will participate in weekly sessions led by a coach. In gymnastics we will develop flexibility, strength, technique and control and balance. In dance, we will perform dances using a range of movement patterns. We will compare our performances with previous ones and demonstrate improvement to achieve our personal best.</p>	<p>As Computer experts we will further develop our knowledge of e-safety by considering cyberbullying and how we can report this to adults. We will consider why it is important to always speak respectfully on line. We will improve our knowledge of creating movies by planning a film and recording it then editing it to improve the end product. We will also increase our knowledge of Microsoft Excel, creating spreadsheets and understanding basic formulae.</p>

Curriculum Plan for Year Five

Spring Term 2019

Mathematics

These are some of the objectives that the children will be covering in the Spring Term of Year Five:-

- Round any number up to 1, 000, 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.
- Add and subtract whole numbers with more than 4 digits, including formal written methods.
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
- Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers.
- Recognise and use square and cubed numbers.
- Add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- Recognise the % symbol and understand that it relates to 'number of parts per hundred'.
- Children will also be exploring the properties of shapes, using measures and using statistics.

English

These are the main themes to be covered in Year Five during the Spring Term:-

- **Biography**- exploring the life and works of Michael Morpurgo identifying key inspirations for his writing and then writing a biography pulling all of the research together.
- **Explanation text** - exploring the features by studying real-life examples and then researching and writing their own explanation text based on how to sail a boat safely.
- **Discussion text** - exploring both sides of a discussion by reading and comparing discussion texts, plan and then write their own discussion text based upon Kensuke's Kingdom.
- **Stories** - read and compare adventure stories with a moral element, identifying the main features. The children will plan and write their own story in the style of Kensuke's Kingdom.
- **Journalistic Report** - identifying the features and skills to write an effective report by studying examples then the children will write their own report.

Children will also be developing their knowledge and use of grammar, spelling and punctuation.

