

Year 4

	Autumn	Spring	Summer
Maths	<p>In the autumn term we focus on place value, addition and subtraction, multiplication and division. This includes recognising the place value of each digit in a four digit number (thousands, hundreds, tens and ones), ordering and comparing numbers beyond 1000. The children will also learn about rounding numbers to the nearest 10, 100 and 1000. They will develop and refine their written methods for addition and subtraction. There is a focus on learning times tables and division facts up to 12x12 in preparation for the Multiplication Check in the summer term. They will also learn how to multiply by 1 and 0, divide by 1 and itself, and multiply three numbers together.</p>	<p>In the spring term we continue working on multiplication and division – focusing on written methods and learning about factor pairs. The children will learn about length and perimeter and then move onto a focus on fractions and decimals. When learning about fractions, children will develop their understanding of equivalent fractions and decimals, and will add and subtract fractions with the same denominator. They will find fractions of numbers and use this to solve problems. When learning about decimals, children will develop their understanding of tenths and hundredths, and will understand the effect of dividing a number by 10 or 100. They will round numbers with one decimal place to the nearest whole number, and will compare and order numbers with up to 2 decimal places. Children will continue to practise their times tables regularly.</p>	<p>In the summer term we will continue to learn about decimals, using this knowledge to solve problems involving money. Following this, the children focus largely on shape and measure, using their learning about calculations, fractions and decimals to support their problem solving. The children will learn to convert between different units of measure, develop their understanding of angles by identifying acute and obtuse angles, and develop their recall of the properties of 2D shapes. They will learn about a wider range of triangles and quadrilaterals, and develop their understanding of symmetry. The children will describe movements as translations and will use a range of graphs to present and interpret discrete and continuous data. During this term, they will also learn about time – focusing on converting between analogue and digital clocks, converting between 12 and 24 hour clocks, and solving problems involving seconds, minutes and hours. During this term, the children will have their Multiplication Check.</p>
English	<p>In the first half of the autumn term our work will be based around a book called <i>Mr Penguin and the Lost Treasure</i> by Alex T Smith. The children will use this as a basis to write their own 'Quest' story focusing on using expanded noun phrases and starting their sentences in different ways by using fronted adverbials. They will also look in detail at speech punctuation. To follow on from this, they will look at a non-fiction text about emperor penguins which will be used to inspire their own non-chronological reports about a</p>	<p>During this term, our work will be based around the Ancient Greeks. Children will look at Traditional Tales (using Greek Myths) and newspaper reports. They will focus on trying to vary the sentence types they use in their writing, and create and expand characters. In the second half of the term, the children will be focusing on developing the style of their non-fiction writing based on the Amazon Rainforest, using <i>The Great Kapok Tree</i> by Lynne Cherry as our basis. They will write a non-chronological report about a chosen</p>	<p>In the final term, our work will be centred short film called 'Lighthouse'. The children will concentrate on developing their description of character and setting as they write their own Rags to Riches stories. The children will also learn about the use of continuous and perfect forms of verbs in the past and present tense. When studying poetry, the children will learn to use figurative language such as similes, metaphors, hyperbole and personification for affect. After half term, our topic will be The Romans and we will focus our writing on a</p>

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	<p>penguin of their choice. They will use their research skills to find out information and then focus on organising their ideas into relevant paragraphs. After half term, our work will be centred around a short film called 'Soar'. They will develop their use of conjunctions as a way of extending and expanding their ideas, and developing their use of word choices to engage the reader. They will also study biographies of famous people from aviation history.</p>	<p>animal from the rainforest. We will then focus on deforestation and how we can help with this problem in school, writing persuasive letters. They will continue to develop their use of a wider range of conjunctions and sentence lengths in order to extend their use of different sentence styles. Children will also learn about the plural possessive apostrophe.</p>	<p>warning story called 'Escape from Pompeii'. We will also write instructions based around surviving a volcanic eruption. These units are flexible, depending on the needs of the children and whether any writing skills taught earlier in the year need further consolidation.</p>
Topic	<p>In the Autumn term our topics will be based first on a book called 'Mr Penguin and the Lost Treasure' and then on a short film called 'Soar'. In term 1, the children will learn to use back stitch in order to sew toy penguins. Their learning in science will also link to the topic as they will learn about animal classification. In term 2, the children will use their learning in science about electricity to add light up parts to their own flying machines that they will make in DT. In art, they will focus on painting which will be inspired by the pop artist Roy Lichtenstein – painting a flying machine in movement.</p>	<p>In the Spring term our topics will be based on Ancient Greece and the Amazon Rainforest. They will learn about their lives and customs, and then use atlases to develop their understanding of where Greece is in the world, comparing Ancient Greece to modern day. In art, they will learn how to draw figures in movement, using Greek pots as inspiration. In term 4, they will learn about deforestation and how we can help this situation. In science, they will think about plants and how they grow and produce their own food through photosynthesis. They will also use the rainforest as inspiration for their art work as they will create their own designs to print.</p>	<p>In the Summer term, our first topic will be based on a short film called 'Lighthouse'. In geography, the children will use coordinates and compass point to plan routes. They will learn about states of matter in science and use this knowledge to write about the water cycle. After half term, the children will learn about the Romans and the invasion of Britain. They will learn about Roman settlements in the UK and Roman numerals. The topic will also include a trip to a Roman site. We will learn woodwork skills in order to make a model catapult. They will also make Italian recipes.</p>