



<p>English</p> <ul style="list-style-type: none"> This half term Year 5 will be looking at Poems using figurative language. We will be writing and performing our own poems which include imagery and language techniques such as metaphors, similes and personification. These poems will be based on the Rainforest. Year 5 will then move on to debate and discussions, which will develop their speaking and listening skills with role played situations firstly about the Industrial Revolution and then about the Amazon rainforest and Deforestation. The children will also be looking to organise their work to show clarity and meaning. Furthermore the children will develop their knowledge of opposition openers (although, nevertheless and despite) to provide a balanced argument. Finally the children will perfect their note taking skills when making quick jottings within the live debates and discussions. This term our spellings will focus on words from the Year 5 statutory list, concentrating on strategies to learn these words. We will also look at words built from root words, homophones and the ei/ie spelling pattern. 	<p>Maths</p> <ul style="list-style-type: none"> Angles In this unit, we will be revising that angles are measured in degrees and estimating and comparing acute, obtuse and reflex angles. The children will also recap how to draw given angles, and measure them in degrees (°). identify angles at a point and one whole turn (total 360°), and at a point on a straight line and a turn (total 180°). Shape The children will be learning to distinguish between regular and irregular polygons based on reasoning about equal sides and angles. They will describe positions on the first quadrant of a coordinate grid and plot specified points and complete shapes. They will also identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. Mental and written division Within this unit the children will be identifying multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. They will divide numbers mentally drawing upon known facts and numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. The children will also be solving problems involving scaling of simple fractions. Calculating with fractions The children learn to recognise mixed number and improper fractions and convert from one form to the other. They will add and subtract fractions with the same denominator and denominators that are multiples of the same number (<i>using diagrams</i>). They will also write mathematical statements > 1 as a mixed number, e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$. Measurement (area and volume) In this unit the children will calculate and compare the area of rectangles using square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes. They will explore the difference between liquid volume, including capacity and solid volume and estimate <i>and calculate</i> volume for cubes and cuboids. 	<p>Science</p> <p>Forces</p> <ul style="list-style-type: none"> Year 5 will learn that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. They will also identify the effects of air resistance, water resistance and friction that act between moving surfaces (causing things to slow down) They will also learn that there are different types of forces (push, pull, friction, air resistance, water resistance, magnetic forces, gravity) which have different effects on objects <p>Environment - Living things and their habitats Observing Life Cycles</p> <ul style="list-style-type: none"> In this topic the children will be learning about the differences in the life cycles of a mammal, an amphibian, an insect and a bird. They will also be describing the life process of reproduction in some plants and animals as well as learning to name, locate and describe the functions of the main parts of reproductive system of plants (stigma, stamen, petal, sepal, pollen, ovary). 	<p>Computing</p> <p>Programming</p> <ul style="list-style-type: none"> Children will use logical thinking, imagination and creativity to extend a program. Refine a procedure using repeat commands to improve a program. Decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program. Use logical reasoning to detect and debug mistakes in a program. <p>Handling Data</p> <ul style="list-style-type: none"> Children will choose an appropriate tool to collect and record data. Present data in an appropriate way <p>Multimedia</p> <ul style="list-style-type: none"> Children will use text, photo, sound and video editing tools to refine my work. Select, use and combine the appropriate technology tools to create effects that will have an impact on others. Use the skills I have already developed to create content using unfamiliar technology <p>Online Safety</p> <ul style="list-style-type: none"> Know that what they post online can be seen, used and may affect others. Discuss the importance of choosing an age-appropriate website or game Explain the importance of communicating kindly and respectfully Explain why they need to protect themselves and friends and the best ways to do this, including reporting concerns to an adult 	<p>RE</p> <p>Christianity</p> <ul style="list-style-type: none"> Key Question - What do religious texts and teachings say about God and human life? Think about characteristics that make us human. To think about the qualities in people that we respect. Know that Jesus is both human and God Understand the Life of Jesus. Look for clues in the Bible about Jesus' nature - healing, forgiving, resisting temptation Think about how we respond to the Easter story and what it teaches Christians about what Jesus was like? Consider which human we respect. Why?
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SPRING TERM - IT'S A JUNGLE OUT THERE

<p>History</p> <ul style="list-style-type: none"> Year 5 children will look at the impact of the Victorians on our local area, in particular, Stanley Park. They will then study the similarities and differences between different rainforests in the world and how these have been influenced by modern man (deforestation/tribal communities). 	<p>Geography</p> <ul style="list-style-type: none"> As part of our Victorian topic, the children will use digimaps to locate Stanley Park. They will also observe, measure, and record human and physical features using a range of methods e.g. sketch maps, plans, graphs, and digital technologies. In our Rainforest topic, the children will also be locating where the Amazon rainforest is in the world using atlases. They will then create a map using a key and grid references to show its exact location. The children will investigate plant and animal life in the rainforest by researching the different layers of the rainforest. They will also be researching how Deforestation has influenced and changed the rainforest too. 	<p>Art and Design</p> <ul style="list-style-type: none"> The children will be look to plan and design a book using a variety of materials. This will be completed as part homework and in class. The children will try to achieve the look of an authentic book by manipulating resources, aiming to make it look part of the Amazon Rainforest. 	<p>Design Technology</p> <ul style="list-style-type: none"> This term we will investigate foods eaten during the Victorian era. We will then make gruel and oatcakes. 	<p>Spanish</p> <ul style="list-style-type: none"> During this half term through speaking and listening, reading and writing activities we will be learning about the weather and also places in town. Children will begin to read and describe orally the different types of weather and answer questions about the weather on a given day allowing them to engage in short conversations with both the teacher and peers. As children become more familiar with this, they will begin to write simple sentences in the present tense to describe the weather which they will then record on I pads. Pupils will learn the vocabulary for different places in town and will begin listen and respond to questions about the places they can find in their town. They will use their knowledge of the language to express simple sentences about where they live and will use written vocabulary to create a map. 	<p>Music</p> <ul style="list-style-type: none"> Year 5 will be looking at the genre of Rock and in particular the song 'Don't Stop Believing'. During our lessons we will be appraising the song and understanding contributes to the genre of rock. This will include the types of instruments, pulse and time signatures involved in the genre. Furthermore the children will learn and compose rhythms to sections of the songs using a variety of percussion instruments.
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