



ST JOHN'S HIGHBURY VALE CURRICULUM LETTER YEAR 4

SPRING TERM 2

<p>Mathematics</p> <p><u>Calculating, Patterns & Algebra x and ÷ :</u> Children will learn about the big ideas when exploring partitioning, scaling, and recombining. They will look at multiplying by 10 and understanding the connection between this and the product being 10 times larger. This understanding is the basis for grid method and formal multiplication.</p> <p>They will learn about the distributive law. This also important as children explore how numbers are partitioned, multiplied, and recombined. Children will continue to use inverse operations when thinking about problems. Making links and generalisations between facts is a crucial step. 'If I know... I also know...'</p> <p><u>The Number System: fractions of numbers</u> Children will continue to learn about fractions and how they are equal parts of a whole. They will focus on the concept that this whole can be an amount or a number. They will understand that fractions of numbers and equal parts of shapes do not need to be congruent but need to be equal in area.</p> <p><u>Geometry & Measures</u> Children will learn how shapes are categorised according to their properties and can belong to more than one category. They will learn that sometimes this is the number of sides they have, or the sizes of their angles; shapes are still congruent if they are at different orientations. They will go on to understand that area is another way of looking at multiplication and it has an inverse relationship with side length (of rectilinear shapes).</p> <p>Some helpful websites: All aspects of maths: Prodigy; BBC Bitesize Maths Maths Frame For parents: Maths At Home The School Run Multiplication tables: Top Marks or hit the button Problem solving & Reasoning: NRICH Games: Cool Maths Games Maths Playground</p>	<p>English</p> <p><u>Reading:</u> This term our reading lessons will be focused on descriptive fiction book called the "The Tin forest".</p> <p>Word Reading: •Read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word.</p> <p>Reading Comprehension: •Develop positive attitudes to reading and understanding of what they read by: Listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks. •Reading books that are structured in different ways and reading for a range of purposes. •Drawing inferences such as inferring characters' feelings, thoughts, and motives from their actions, and justifying inferences with evidence. •Predicting what might happen from details stated and implied.</p> <p><u>Writing:</u> We will examine the book: "The Tin Forest". We will look at improving our writing. This term we focus on descriptive and creative writing pieces.</p> <p>Composition: •Evaluate and edit by: assessing the effectiveness of their own and others' writing and suggesting improvements, proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences, proof-read for spelling and punctuation errors. •Read aloud their own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.</p> <p>SMSC Links: sense of enjoyment and fascination in learning about themselves, others, and the world around them. Reading: Children will look at a variety of different texts that are fiction and non-fiction this term. Children to continue daily reading and writing a comment in their reading records. Some helpful websites: Every School BBC Bitesize Super Sentence Stacking Pobble365 Spelling Frame Sir Linkalot Oxford Owl</p>	<p>Science:</p> <p>The children will be learning about "States of Matter".</p> <p>Children will:</p> <ul style="list-style-type: none"> • To understand how to group materials based on states of matter. • To understand differences between physical changes and chemical changes in materials. • To understand the correlation between rate of evaporation and temperature. • To understand how matter is affected by forces. <p>Core Knowledge: Materials can exist as solids, liquids, and gases. Heating and cooling can change a materials state. Understand the part evaporation and condensation plays in the water cycle.</p> <p>Enduring Understanding: Materials are made up of particles. Materials can be three states: solids, liquids, and gases. Materials can change state by being cooled or being heated. The warmer the temperature, the quicker water will evaporate within the water cycle. Evaporation is liquid turning into gas. Condensation is when is changes from a gas to a liquid.</p> <p>SMSC Links: enjoyment and fascination in learning about themselves, others, and the world around them. Some helpful websites: BBC Bitesize The School Run Crickweb Woodlands https://www.bbc.co.uk/bitesize/topics/zgfr82</p>
<p>Religious Education</p> <p>We will be examining the following questions:</p> <p><i>Do fame and the Christian faith go together?</i> <i>What is Holy Communion and how does it build a Christian community?</i></p> <p>Ares of thinking we will focus on:</p> <ul style="list-style-type: none"> • What qualities are important to Christians? • What qualities are seen as being inspirational? • What did Jesus do and say at the Last Supper and how do Christians remember this today? • Why do Christians share in body and blood of Jesus at church? • How does the act of sharing Holy Communion influence a Christian's day to day life? • What is Jesus' legacy? <p>SMSC Links: exploring, improving understanding of, and showing respect for different faiths and cultural diversity.</p>	<p>French</p> <p>The children will learn to speak about different types of activities, sports, as well as making healthy eating choices.</p> <p>SMSC Links: appreciation of the wide range of cultural influences that have shaped their own heritage and that of others.</p>	<p>Music</p> <p>The children will continue to learn how to play the trumpet in their music sessions. They will also work on learning songs. They will learn the lyrics and try to harmonise as a group</p> <p>SMSC Links: sense of enjoyment and fascination in learning about themselves, others, and the world around them</p>
<p>Physical Education</p> <p>This term the children will be learning how to play field hockey.</p> <ul style="list-style-type: none"> • To be able to be able to combine basic hockey skills such as dribbling and push pass. • To be able to confidently select and apply skills in a game situation. • To begin to play effectively in different positions on the pitch including in defence. <p>SMSC Links: willingness to participate in and respond positively to sporting opportunities.</p> <p>Some suggested websites to help you keep fit at home: Joe Wicks' Daily PE lesson Cosmic Kids Yoga</p>	<p>Computing</p> <p>This term the children will be focusing on the theme: "Collect IT Data".</p> <p>Children will: learn about how to explain data gathered over time and how it can be used to answer questions.</p> <ul style="list-style-type: none"> • To explain that data gathered over time can be used to answer questions. • To understand how to create data sets and tables. • Able to create a chart using a data set. • Able to explore websites and recognise features and media. • To explain that a data logger collects 'data points' from sensors over time. <p>SMSC Links: use of imagination and creativity in their learning. Useful website https://www.bbc.co.uk/bitesize/subjects/zvnrq6f</p>	<p>Geography</p> <p>Children will learn about settlement patterns from a physical and human geographical perspective.</p> <p>Children will:</p> <ul style="list-style-type: none"> • To understand that London has changed over time because of human settlement and population density. • To understand the importance of rivers and the part they play in connection to resources and settlement. • To understand population density and how events like the Industrial Revolution increased population density in London. • To understand settlement patterns over time and how they affect human geography in a city like London. • To learn about ethnicity and how this makes London multicultural and diverse. • To understand the history of important monuments and sites in London and how they have changed over time. <p>SMSC Links: Engagement in and developing an appreciation for artistic opportunities.</p>
<p>PSHE</p> <p>This term the children will be learning about "Healthier Friendships". Children will learn about how to recognise peer pressure and make their own choices. Some of the topics we will focus on:</p> <ul style="list-style-type: none"> • Healthier friendships • Group dynamics • Smoking • Alcohol • Assertiveness • Peer pressure • Celebrating inner strength <p>SMSC Links: understanding of the consequences of their behaviour and actions. Useful website https://www.bbc.co.uk/bitesize/subjects/zqtnvcw</p>		