

Y5 Autumn Term 2017 Curriculum Overview



Religious Education

Creation:

We will be studying some key beliefs about the creation of human beings and the creation of the world. We will introduce the children to the story of creation as a way of explaining that God is creator of the world. We will also have the opportunity to reflect on our God given talents and how to live our lives in response to the teaching of Christ.

Miracles and the Sacrament of the Sick:

We will be learning about some of the miracles of Jesus and the work of the Church to heal and care for the sick in Christ's name.

Advent:

We will be learning to draw links to the Old and New Testaments in terms of preparing for the coming of Christ during the season of Advent. We will prepare to remember the first Coming of Christ and prepare for his second coming during Advent. We will learn about advent being a time for preparation for Christmas and for Jesus to come again.

Christmas:

We will learn about the story of Christmas from St Matthew's Gospel. We will explore the difficulties faced by Mary and Joseph and the tensions that arose with King Herod.

English

Class Texts:

Our English lessons this term will be based around the reading of 'Leon and the Place Between' and 'War of the Worlds.'

Reading (comprehension):

During the autumn term, the children will maintain a positive attitude to reading by reading and discussing an increasingly wide range of fiction, poetry, plays, non-fiction and reference books during guided reading, comprehension lessons and their own independent reading. They will read books that are structured in different ways and will read for a range of purposes. Also, the children will discuss their understanding of a text and explore the meaning of unfamiliar words in context.

Range of Writing:

A variety of fiction and non-fiction writing genres shall be taught, including- biographies, using authorial techniques to write in a descriptive manner, recounts, non-chronological reports, explanation texts, persuasive writing and writing narratives. The children will develop their writing skills in each of these areas and will be provided with many opportunities to write independently. Within each writing genre we will look at how authors use a variety of techniques to develop sentence structure, cohesion within and between paragraphs and improving vocabulary choices.

Composition:

Throughout the term we will focus on identifying the audience and purpose of a piece of writing and use similar writing as a model for the children's own ideas. Using the text 'Leon and the Place Between' and 'War of the Worlds', the children will attempt to write extended narratives by selecting appropriate grammar and vocabulary understanding how choices can enhance meaning. Furthermore, the children will be taught to describe settings and characters as well as integrate dialogue to advance the action.

Vocabulary, grammar and punctuation:

During the autumn term the children will develop their use of conjunctions and adverbials of time (along with fronted adverbials) to create cohesion within and across sentences. They will use expanded noun phrases with the addition of modifying adjectives, nouns and prepositions, as well as attempting to use relative clauses beginning with who, which, where, when, whose or that. Our punctuation focus will be to ensure that apostrophes to mark singular and plural possession are included accurately along with developing an understanding of the grammatical difference between plural and possessive -s. In addition to this, we will also move on to using brackets, dashes or commas to indicate parenthesis.

Spelling:

Throughout the year the children will learn a variety of spelling strategies to support their ability to spell accurately. Some of the strategies that we will focus on this term are: look, cover, spell, check; the pyramid strategy; drawing a shape around the word and spelling difficult words without vowels.

In the autumn term the children will learn a variety of spelling rules to spell words such as those with the letter string 'ough', words with 'silent' letters, words ending in '-able' and '-ible' and common homophones.

Mathematics

Recall of number facts for +, -, x and ÷ :

The children will consolidate being able to recall and use multiplication and division facts up to 12 x 12. We will also practise developing mental strategies for adding and subtracting increasingly large numbers.

Place Value:

We will begin the term by focussing on reading, writing, ordering and comparing numbers to 1,000,000. Also, the children will learn to round any number to the nearest, 10, 100, 1000, 10 000 and 100 000. They will also count

forwards and backwards in steps of powers of 10 for any number to 1,000,000.

Addition and Subtraction:

The children will use formal written methods to solve problems in real life contexts when adding and subtracting whole numbers with more than 4 digits. Furthermore, they will use rounding to check answers to calculations.

Multiplication and Division:

We will focus on solving problems in real life contexts by multiplying numbers up to 4 digits by a 1 or 2 digit number using a formal method. Similarly, the children will also divide numbers up to 4 digits by a 1 digit number using a formal method. Furthermore, the children will multiply and divide whole numbers and those with decimals by 10, 100 and 1000.

Fractions:

We will begin our work on fractions this year by consolidating the children's knowledge and understanding of identifying equivalent fractions. Then, after developing their understanding of comparing and ordering fractions whose denominators are all multiples of the same number, the children will then move on to writing mathematical statements greater than 1 whole as a mixed number e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$. Furthermore, the children will attempt to add and subtract fractions with the same denominator beyond 1 whole.

Measurement:

The children will develop their understanding of calculating the area and perimeter of rectangles. They will also convert between different units of measure (mm to cm, cm to m, m to km and vice versa). We will also begin to use all four operations involving measure, involving decimal notation.

Geometry (properties of shapes):

In their geometry work this term, the children will show that they can recognise and name 3D shapes from 2D representations. When focussing on angles, the children will identify that angles at a point, and one whole turn, total 360° as well as learning that angles at a point on a straight line, and half a turn, total 180° . In addition to this, the children will practise measuring and drawing angles accurately.

Statistics:

The children will complete, read and interpret information in tables, including timetables.

It is also important to point out that the different areas of problem solving (logic, investigative and reasoning) will embed the learning that takes place throughout the maths curriculum.

<p>Science</p>	<p><u>Our Changing World:</u> We will be looking at how plants, animals and the weather change during the year by carrying out frequent observations in our natural environment.</p> <p><u>Earth and Beyond:</u> Throughout this topic, the children will describe the movement of the Earth and other planets in the solar system relative to the Sun. We will have the opportunity to investigate the shapes, positions and movement of the planets in the solar system and some of the differences between these and stars. Later in the topic we will use a model to describe and compare the movements of different planets in space, using the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky. Finally, the children will explain how the Earth's tilt leads to seasonal changes and then identify the phases of the Moon and explain why these occur.</p> <p><u>Feel the Force:</u> This is an opportunity to investigate gravity, resistance and friction. The children will measure, using appropriate units, friction between moving surfaces as part of an investigation into how surface area and materials affect friction. We will discuss how unsupported objects fall towards the Earth and identify the effects of air resistance, water resistance and friction, which act between moving surfaces. After this, the children will use test results about air resistance as a starting point for further investigative work and then carry out simple comparative and fair tests. Finally, we will discuss and recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect and investigate why pulleys make lifting objects easier and how gears allow a smaller force to have a greater effect.</p>
<p>Computing</p>	<p><u>We are Game Developers:</u> The children will learn how to develop an interactive game by designing, writing and debugging programmes using a variety of software. The children will also use logical reasoning to understand and explain how simple codes work and to detect and correct any coding errors. In addition, they will use iPads and laptops to develop skills across the curriculum.</p> <p><u>Online Safety:</u> The children will learn about safe searching and copyright laws when planning their online game.</p>
<p>P.E.</p>	<p><u>Invaders:</u> The children will learn to demonstrate passing, receiving and shooting skills using a netball. They will also understand the different positions in a netball team.</p> <p><u>Bootcamp:</u> The children will complete a range of different circuit based activities and understand the reason for</p>

	<p>doing them. As well as this, the children will understand what happens to the heart rate during exercise.</p> <p><u>Dynamic Dance:</u> The children will identify and practise the patterns and actions of the Bollywood dance style and create group dances to reflect this style using a range of movement patterns.</p> <p><u>Mighty Movers (Boxercise):</u> The children will perform a boxercise routine demonstrating good technique and learn to perform actions and moves fluently to music in order to improve personal fitness.</p>
P.S.H.E	<p>The core theme that we will focus on in the autumn term will be health and wellbeing. The children will learn about how to make informed choices about a healthy lifestyle, making their own choices about eating a balanced diet and understanding what may positively or negatively affect their health. In addition, the children will reflect on and celebrate their achievements, identify their strengths and set themselves future goals. The children will also learn how their increasing independence brings increased responsibility to keep themselves and others safe.</p> <p><u>Multi-Faith Study:</u> We will also be learning about some of the upcoming Islamic festivals such as Hijra – The Islamic New Year on September 22nd and the Day of Ashura on October 1st.</p>
Foundation Subjects	<p><u>Art:</u> The children will learn about the work of the artist Andy Warhol and attempt to use similar techniques to create their own artwork.</p> <p><u>Design and Technology:</u> In DT they will select from and use a wider range of tools to create their own scaled model solar system as well as a Saxon settlement in the second half of the term.</p> <p><u>Geography:</u> The children will also develop their knowledge and understanding beyond our local area by focussing in depth on the United States of America. Within this study, the children will use geographical tools and skills to enhance their locational knowledge of the USA. They will concentrate on the key physical and human characteristics of the USA and identify similarities and differences with Britain.</p> <p><u>History:</u> The children will learn about the history of the space race, including the key people involved and how space travel has since developed. The children will learn about the launch of Sputnik and the first moon landing in 1969. In the second half of the term, the children will continue to develop a chronologically secure knowledge and understanding of British history. They will learn about Anglo-Saxon invasions, settlements and kingdoms, as well as the struggle for the Kingdom of England up to the time of Edward the Confessor. As well as this, the children will show an understanding of a key historical event by explaining what was discovered in Sutton Hoo.</p> <p><u>Music:</u> They will also attempt to improvise and compose music to accompany a journey into space.</p>
French	<p>The children will listen attentively to the spoken French language and show understanding by joining in and responding. They will explore patterns and sounds of language through songs and rhymes, and link the spelling, sound and meaning of words. They will attempt to engage in conversations in French. Also, the children will begin to write phrases from memory, and adapt these to create new sentences, to express ideas clearly.</p>
Other Activities / Visits	<p>Parents will be notified about any upcoming visits and activities shortly.</p>

Homework Arrangements:

English	A piece of English homework will be handed out each Friday and will be due in on the following Thursday .
Mathematics	A piece of maths homework will be handed out each Friday and will be due in on the following Thursday .
Spelling	Spellings will be provided on Mondays and tested on Thursdays .
Number Facts	The children will receive homework related to times tables, factors, multiples, square and cube numbers every Friday and tested on the following Friday .
Project	A separate letter explaining this term's 'Out of this World' project will be handed out to the children shortly.

Home Reading:

The children are expected read independently every night. Please also endeavour to hear your child read at home regularly and sign their reading record book at least three times per week. When the children receive three

signatures during a week in their reading record they will receive a sticker towards completing their reading bookmark. A completed bookmark results in receiving a book and/or certificate during congratulations assembly.

Useful Information:

P.E. takes place on **Tuesdays** and **Thursdays**. Please ensure that the children have the correct kit in school on these days. Please note that children will need to be able to remove earrings to take part in P.E.

Although school will provide equipment for the children, to develop their independence it is a good idea for them to bring a pencil case with a pen (blue), pencil, ruler, rubber and sharpener each day. They can also bring some pencil crayons if they wish. In addition, bringing a small folder for any letters or homework is a good idea and will again help to prepare the children for Year Six and secondary school.

If you have any information or are knowledgeable in any of the topics outlined above then please let me know! It is always interesting and valuable for the children to hear from people who have first-hand experience of a particular topic/area.