



Windmill Hill Primary School

Autumn Term 2025 Curriculum Plan

Class 4

English	<p>We will begin the year by completing our own Autobiographical Snapshot. During this unit, the children will focus on objectives from their previous year groups and will write in all three tenses.</p> <p>The first half-term will see the children creating their own 'Exploration Narrative' and formal report based on 'Where Once We Stood' by Christopher Riley and Martin Impey.</p> <p>During this unit, the children will use a range of vocabulary and be able to distinguish between informal and formal speech. They will develop their understanding of modal verbs and use them throughout their writing. Year 4 children will focus on adding fronted adverbials to their writing and the Year 5 children will start to understand the use of a relative clause.</p> <p>During the second half-term, the children will be creating their own 'Setting Narrative' and a written letter whilst looking at 'FARThER' by Graham Baker-Smith.</p> <p>During this unit, the children will focus on their use of adverbials to link ideas across paragraphs to create cohesion. The Year 5 children will also begin to understand the use of dashes within their writing.</p>
Mathematics	<p>Year 4</p> <p>In the first half term, we will be exploring how to count in multiples of 25, 100 and 100, helping them to count larger numbers comprehensively. The children will learn about the relative size of numbers and complete number sequences within 10,000. They will learn about place value to 4 digits and will also be able to link numbers in numerals and words. We will explore comparing numbers and use language such as "greater", "smaller", "less" and "more", as well as using mathematical symbols to represent this. Using their knowledge of number and place value, they will complete number patterns, before moving on to rounding numbers to the nearest 1000, 100 and 10. The children will also apply this knowledge to approximate, total and find the difference.</p> <p>After place value, we will then focus on addition and subtraction within 10,000. In this unit, pupils develop fluency and confidence in adding and subtracting numbers within 10,000. They build on their understanding of place value to use both mental strategies and formal written methods, including column addition and subtraction with regrouping and exchanging. Pupils apply these skills to solve one-step and two-step word problems, estimating answers by rounding and checking accuracy using inverse operations. This topic strengthens number sense, supports problem-solving in real-life contexts, and prepares pupils for more complex calculations in later units.</p> <p>After half term, the children will be exploring multiplication and division. They will learn how to multiply and divide by 6, 7, 8, 11 and 12. They will begin to understand mathematical vocabulary such as "quotient" in relation to division. They will learn how</p>

	<p>to calculate multiplication equations using the multiplication facts they know. They will understand the difference between sharing and grouping and they will understand the commutative law in multiplication. We will also solve problems involving multiplication and division.</p> <p>Multiplication and division will then continue as we further develop our understanding of it. The children will learn how to divide and multiply by 1 and 0 and understand the law of commutativity. They will learn how to multiply three numbers together using prior knowledge of multiplication tables. We will then use our knowledge of tables and place value, to multiply multiples of 10, leading to the multiplication of 2-digit numbers using short multiplication. They will also use this method, to multiply multiples of 100- and 3-digit numbers. This will then lead to learning about division and using two methods, including numbers with remainders. They will solve multiplication and division problems using these methods they have learned and will use bar models to visualise the problems.</p> <p>Year 5</p> <p>The first half-term will focus on place value and two of the four operations – addition and subtraction.</p> <p>During place value lessons, the children will study numbers from 4 digits to 7: exploring different values; comparing and ordering numbers; rounding numbers to 100, 1,000 and 10,000. This will enable the children to recap on previous objectives whilst also tackling those from Year 5. The children will then learn the formal written methods for addition and subtraction.</p> <p>The second half-term will focus on the remaining operations – multiplication and division.</p> <p>The children will be multiplying and dividing 3 and 4 digit numbers by single and double digit numbers. Following this, the children will look at how we multiply and divide numbers by 10, 100 and 1,000.</p> <p>We will also be finding and defining multiples and factors/common factors. In addition to this, the children will begin to work with prime numbers and determine what makes a number prime or composite. The children will end the term by working with square and cube numbers.</p> <p>Finally, the children will end the term by solving word problems.</p>
<p>Science</p>	<p>Year 4</p> <p>In the first half term, the Year 4 children will be introduced to the exciting topic of electricity, where they learn how it powers many of the things we use every day. They will explore which appliances run on electricity and discuss the importance of using it safely. They will be introduced to simple electrical circuits, building their own using wires, batteries, bulbs, and switches, and investigating how these components work together. Through hands-on experiments, they will test what materials are conductors</p>

	<p>or insulators and apply this knowledge to real-world contexts. This topic not only sparks curiosity about how electricity works but also helps children develop problem-solving and investigative skills as they create and test their own circuits.</p> <p>In the second half term, the year 4 children will investigate the fascinating topic of sound and how it is made. They will learn that sounds are created by vibrations and explore how these travel through different materials to reach our ears. The children will experiment with a range of instruments and everyday objects to discover how pitch and volume can be changed, and they consider how distance and materials can affect what we hear. They will also explore the human ear and how it enables us to detect sounds in the world around us. This engaging topic encourages children to think scientifically, ask questions, and carry out practical investigations while deepening their understanding of how sound plays an important role in our daily lives.</p> <p>Year 5</p> <p>During the first half-term, the children will be focusing on Living Things and Their Habitats. This unit will explore the process of reproduction and the life cycles of plants, mammals, amphibians, insects and birds. The children will explore reproduction in different plants, including different methods of pollination and asexual reproduction. The children will have the opportunity to take cuttings from plants, creating clones of the parent plant.</p> <p>They will learn about different types of mammals and their different life cycles. Furthermore, the children will find out about Jane Goodall and her work with the now-endangered chimpanzees in Africa. They will explore metamorphosis in insects and amphibians, comparing their life cycles. Finally, the children will explore the life cycles of birds and butterflies whilst comparing them.</p> <p>The second half-term will be a physics unit. This ‘Forces’ unit will investigate types of forces such as gravity, friction, water resistance and air resistance. The children will also learn about the use of mechanisms such as levers, gears and pulleys.</p> <p>The children will identify forces and find out about Sir Isaac Newton and his discoveries around gravity. The children will look for patterns and links between the mass and weight of objects. We will be using Newton Meters to measure the force of gravity.</p>
<p>Computing</p>	<p>During the first half term, the children will be learning about computer systems. In this unit, the children will develop their understanding of computer systems and how information is transferred between systems and devices. They will consider small-scale systems as well as large-scale systems. They will explain the input, output, and process aspects of a variety of different real-world systems. The children will also take part in a collaborative online project with other class members and develop their skills in working together online.</p> <p>The second half term, will see the children focusing on becoming video editors. This unit</p>

	<p>gives the children the opportunity to learn how to create short videos in groups. As they progress through this unit, they will be exposed to topic-based language and develop the skills of capturing, editing, and manipulating video. Active learning is encouraged through guided questions and by working in small groups to investigate the use of devices and software. The children are guided with step-by-step support to take their idea from conception to completion. At the teacher's discretion, the use of green screen can be incorporated into this unit. At the conclusion of the unit, the children have the opportunity to reflect on and assess their progress in creating a video.</p>
<p>Art and Design and Technology</p>	<p>During the first half-term, to match our Science unit, the children will be focusing on plants and flowers in Blossoming Out. This unit will focus on how to use pencil, colour, water colour, sculpture and paper modelling to create quality artwork that shows progression in children's skills. The children will also have the opportunity to explore the work of India Flint, David Oliveira and Henri Rousseau.</p> <p>During the second half-term, the children will focus on the skill of weaving. They will take part in a range of workshops that will extend and consolidate their knowledge about weaving and allow them to practise the skills and techniques involved in this craft.</p>
<p>Humanities</p>	<p>This term, the children will be learning about the Scandinavian Struggle.</p> <p>As historians, the children will learn who The Vikings were. They will look at reasons as to why people believe the civilisation left Scandinavia and travelled across to the UK. Once the children have a solid starting block, they will go on to study a range of Viking raids; understand the leadership and The Great Kings; focus on what life would have been like during The Viking and Anglo-Saxon reign of England and finally identify many of the Viking legacies.</p> <p>As geographers, we will locate all of the significant countries within Europe which have strong links to The Vikings. This will provide much discussion about continents, countries, towns and cities. Furthermore, we will focus on the human and physical features of those counties including what make England so appealing to The Vikings.</p>
<p>French</p>	<p>The first half-term will focus on feelings. We will begin by recapping how to ask, 'how are you?' and write simple scripts which will also include greetings and asking people for their name and age. Once secure, the children will move to explore the verb 'to be'.</p> <p>The second half-term will explore family members. The children will learn the French terms for many different family members and be able to talk about their family whilst giving some extra information about them such as their age or aesthetical features.</p>
<p>Music</p>	<p>The first half term will see the children explore classic rock music through the iconic song, Livin' on a Player, by Bon Jovi. This unit will introduce the children to key musical concepts such as</p>

	<p>pulse, rhythm, pitch and structure while developing their skills in singing, playing instruments, improvising and composing. Through listening and appraising, children gain a deeper understanding of the characteristics of rock music and its historical and cultural context. The unit encourages ensemble work and performance, fostering confidence and teamwork. By the end of the unit, the children will have developed greater musicality and appreciation for the genre, culminating in a group performance that showcases their learning.</p> <p>After half term, the children will be introduced to the music of ABBA, using the popular song Mamma Mia as a foundation for exploring key musical concepts such as rhythm, pitch, tempo, and dynamics. The unit supports the development of singing and instrumental performance skills, with opportunities for pupils to play tuned percussion or recorders alongside vocal work. Through listening and appraising a selection of ABBA songs, children will learn to identify key features of pop music from the 1970s gaining insights into melody, harmony and song structure. The unit also includes creative tasks such as improvisation and basic composition, encouraging self-expression and collaborative music-making. By the end of the unit, the children will have a broader understanding of pop music and increased confidence in performing as part of an ensemble.</p>
<p>Physical Education</p>	<p>During the first half term, the children will develop their gymnastics skills through a series of lessons focused on balance, coordination, strength and flexibility. The children will explore a range of floor and apparatus movements including rolls, jumps, and controlled sequences. Emphasis will be placed on body control, precision and creative performance, encouraging them to work individually and collaboratively to build confidence and refine their routines.</p> <p>After the half term, the children will be focusing on swimming. The children will focus on swimming more fluently and with increased confidence and control. They will work to improve their swimming strokes, learn personal survival techniques and how to stay safe around water. The children have to keep afloat and propel themselves through the water.</p>
<p>RE</p>	<p>Our first half-term will focus on Christianity. The children will begin by understanding the Christian fundamental values and beliefs. Once secure, the children will home in on the idea of sin and sacrifice. We will look at and compare a range of different ‘sins’ – from the Christian Bible and modern-day examples. The children will have many opportunities to discuss their thoughts and beliefs within safe and respectful environment.</p> <p>The second half-term will focus on Islam. We will begin by re-capping the fundamental values of the Islam religion. The rest of the half term will then focus on the Islamic holy book – the Qur’an. We will explore its meaning, its contents and its importance to the Islamic faith and followers.</p>

PSHE

Our first half-term will focus on 'Being Me in My World'. This will see the children focus on their rights, responsibilities, rewards and sanctions. All the children will have the opportunity to understand their rights as a child. We will also look at the children across the world and how their rights cannot be met due to their environment.

Our second unit, Celebrating Differences, will follow on by exploring cultural variances and conflict. We will look at how racism and cultural differences can cause extreme conflict within regions. Following this, we will downscale our thinking and focus on how rumours and name-calling can cause upset within our own community. Finally, the children will end the term on a positive note – focusing on the importance of happiness and wellbeing. We will focus on enjoying and respecting all of the wonderful cultures around us.