



# Windmill Hill Primary School

## Autumn Term 2021 Curriculum Plan

### Year 5

<b>English</b>	<p>For the first part of the half-term, the children will be writing their own Autobiographical Snapshot. This unit of writing will allow the children to write in all three tenses and explore a range of descriptive techniques.</p> <p>Following this, the children will have the opportunity to explore instructional writing. This unit of writing will allow the children to explore how structure and a range of punctuation can improve the overall flow of their writing.</p> <p>The second half-term will focus on newspapers. The children will take on the role of a journalist and learn how to write their own articles based on fictional and real-life events. We will be looking at a range of structures and exploring how to effectively write a newspaper article.</p> <p>Reading and comprehension will form a massive part of our English curriculum. All of the children will take part in weekly reading comprehension tasks which match the unit of writing.</p>
<b>Mathematics</b>	<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>
<b>Science</b>	<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,</p>

	<p>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><b>Computing</b></p>	<p>During the first half term, the children will be learning to develop their own games. They will design characters and backgrounds to form a simple game using Scratch. Once they have created a working prototype, they will develop their game further by acting upon feedback from peers and adults.</p> <p>The second half term, will see the children focusing on becoming cryptographers. In this unit, the children will investigate early methods of communicating over distances, learn about two early ciphers and encrypt and decrypt messages in various ciphers.</p>
<p><b>Art and Design and Technology</b></p>	<p>During this 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><b>Humanities</b></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</p>

	<p>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><b>French</b></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><b>Music</b></p>	<p>During the first half-term, the children will be lucky enough to take part in weekly drumming sessions. The children will use this time to learn and develop many skills revolving around rhythm, pace and beat.</p> <p>The second half-term will take a Jazz focus. Without a specific song to focus on, the children will be introduced to a range of jazz songs and Jazz style musical pieces. The children will transfer their skills on their chosen musical instruments and again try to create their own Jazz style piece.</p>
<p><b>Physical Education</b></p>	<p>Our first half-term will see the children focus on, and improve, their fitness levels. The children will take part in a range of fitness challenges to test, monitor and record their data. They will learn different components of fitness including speed, stamina, strength, coordination, balance and agility. We will have opportunities to work at our maximum and improve our fitness levels. The children will be asked to recognise areas in which they make the greatest progress using the data they have collected.</p> <p>The second half-term will focus on Yoga. The children will learn about mindfulness and body awareness. They will learn yoga poses and techniques that will help them to connect their mind and body. The unit looks to improve wellbeing by building strength, flexibility and balance. We will also be focusing on breathing and meditation taught through a range of activities. The children will also take part in weekly swimming lessons. They will develop a range of strokes and hopefully be able to swim 25 meters by the end of their sessions.</p>

<b>RE</b>	<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>
<b>PSHE</b>	<p>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.</p> <p>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.</p>