



# Windmill Hill Primary School

## Autumn Term 2019 Curriculum Plan

### Year Group: 5

<b>English</b>	<p>This term, we will be writing an 'Autobiographical Snapshot'. Children will write 3 detailed chapters based on different aspects of their life – it is a wonderful opportunity for the class to get to know each other better whilst discovering which skills the children have managed to retain from the previous years. The children will discover the importance of the re-drafting process and learn to craft and retain details within their work to improve their writing.</p> <p>Reading will be assessed, and all children will be encouraged to read a wide range of books including: myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions. Pupils will practise their handwriting and be encouraged to increase the speed and accuracy of it, so that problems with forming letters do not get in the way of writing down their ideas. We talk about the standard of handwriting and overall presentation that is expected for a range of different tasks.</p>
<b>Mathematics</b>	<p>During the first term, there will be an emphasis on 'place value' and the four rules of 'number'. Their prior learning will be assessed, and children will work through all of the formal calculation methods: addition, subtraction, multiplication and division. The learning will lay the foundations for a growing emphasis on reasoning next term and will equip all pupils with the skills that they need to solve multi-step word problems. The working week will be split into arithmetic, reasoning and shape data and measure to reflect the proportion of learning objectives and the curriculum content.</p> <p>'BIG Maths' will be introduced to all children and a baseline will be taken so that that each child has their own, individual target. 'BIG Maths' motivates all children to improve speed and accuracy when faced with number bonds and times tables: the skills that underpin the use of the formal methods.</p>
<b>Science</b>	<p>Living Things and their Habitats - This will teach your class about 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. They will recap their work in Year 3 by playing a game to name the parts of a flower. The children will have the opportunity to take cuttings from plants, creating clones of the parent plant. They will learn about different types of mammals and their different life cycles, making life cycle wheels to present their learning. 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 will write and star in their own wildlife documentary comparing the life cycles of different living things.</p>

[Type text]

	<p>Forces - This unit will teach the children about types of forces such as gravity, friction, water resistance and air resistance. Children will also learn about the use of mechanisms such as levers, gears and pulleys. The children will identify forces and find out about Isaac Newton and his discoveries about gravity, completing a comprehension about his life and his work. The children will look for patterns and links between the mass and weight of objects, using newton meters to measure the force of gravity. They will also work collaboratively to investigate air and water resistance, participating in challenges to design the best parachute and boat. During some of the practical science work, the children will discuss how variables other than the one being tested can be kept the same to help make a test fair. Finally, they will find out about different mechanisms, including levers, gears and pulleys, and will design their own marvellous machine.</p>
<b>Computing</b>	<p>This term, we will focus on e-safety by looking at how to use the internet safely and what to do if the children come across any dangers.</p> <p>We will be looking into computer programming using programs such as 'Daisy the Dino' and 'Scratch' to work on basic algorithms and fault-finding.</p> <p>Children will learn how to use vital Microsoft Office software. Firstly, we will look at more advanced features of Microsoft Word and we will use Microsoft PowerPoint to make our own presentations.</p>
<b>Design and Technology</b>	<p>Children's design and technology work will focus on sculpture. This structures unit gives children opportunities to develop their understanding of more complex free-standing structures and how they can be strengthened and reinforced. Children will gain knowledge and understanding about how to join and shape materials. Children will then apply these skills, using an iterative design process, to create their marble runs. Finally, children will test and evaluate their marble runs against design criteria.</p>
<b>Humanities</b>	<p>All Around Me – this term, we will be focusing on the world around us. This unit allows children to further explore the range of maps available to geographers and to develop their understanding of the key features of maps. They will study a range of maps and atlases, including digital maps, and compare their features. The children will learn to use the eight compass points to give directions and give grid references to locate places on a map. By comparing maps of the same place, children will learn about the way that places have changed over time.</p>
<b>Languages</b>	<p>Madame Lila will continue teaching French every Wednesday.</p> <p>The children will get the opportunity to extend their vocabulary and research French customs and traditions. Children will build on their knowledge and understanding of the French language.</p>
<b>Music</b>	<p>During the first half term, children will be focusing on rock music, in particular,</p>

[Type text]

	<p>Living' On A Prayer by Bon Jovi. Within this unit, children will be looking at how rock music has development from the Beatles onwards. This will include analysing a range of performances.</p> <p>The second half term will take a change and focus on jazz music. Similarly to the first half term, children will look at the history of jazz music and complete a performance.</p>
<b>Physical Education</b>	<p>In dance, this term, the children will be practising for their Christmas production.</p> <p>In PE lessons, the children will participate in a variety of fitness challenges. During this time, pupils will take part in a range of fitness testing where they monitor and record their data. They will learn different components of fitness including speed, stamina, strength, co-ordination, balance and agility. Pupils will be given opportunities to improve on their own fitness levels, trying to work at their maximum levels to improve.</p>
<b>RE</b>	<p>In the autumn term, children will focus on Christianity and Islam.</p> <p>This Christianity unit will teach the children about key aspects of the Christian faith. The children will work creatively to enhance their learning experience. They will find out where Christianity originated, about special places linked to Christianity and about key festivals in Christian life. The children will also learn about symbols in Christianity, the Christian holy book and the main beliefs held by Christians.</p> <p>This Islam unit will teach the children about key aspects of the Muslim faith. They will work creatively to enhance their learning experience. They will find out where Islam originated, about special places linked to Islam and about key festivals in Muslim life. The children will also learn about symbols in Islam, the Muslim holy book and the main beliefs held by Muslims.</p>
<b>Art</b>	<p>Following on from our science unit of Livin' Things and Their Habitats, the children's' art work will focus on the creation of flowers. This Plants and Flowers unit will teach the children about how to use pencil, colour, Hapa Zome printing, sculpture and paper modelling to create quality art work that shows progression in their skills. The children will also have the opportunity to explore the work of India Flint, Alexander Calder, David Oliveira and Henri Rousseau.</p>