

Y4 Curriculum Overview

Through a range of creative topics and cross curricular activities, Battle Hill Primary School aims to deliver the statutory guidance from the Primary National Curriculum in order to make learning more relevant and meaningful to the pupils.

	<p>Spelling - In spelling pupils will be taught prefixes, suffixes, homophones, double consonants, word endings, digraphs, apostrophes, common letter strings and use of the dictionary and thesaurus. They will revise the work from previous years and learn to spell a mixture of words they will use frequently, or often misspell as listed on the statutory word lists for Years 3 and 4. They will continue with spelling rules and any exceptions.</p> <p>Reading - Pupils will read a range of fiction, poetry, plays, non-fiction, reference and text books, covering a range of different genres, retelling some orally. They will discuss, compare and contrast texts, read aloud and perform written pieces, including appropriate expression and be encouraged to ask and answer questions, involving inference, deduction and prediction, giving evidence for their answers and discussing their views. They will be encouraged to use their growing knowledge of known words, prefixes and suffixes to read and understand new words they meet.</p> <p>Writing - In composition - children will write in a variety of styles (narrative, nonfiction, poetry) for a variety of different purposes and audiences. They will develop characters, settings and atmosphere, linking ideas within and across paragraphs, using appropriate vocabulary, grammar and punctuation consistently to clarify meaning and effect. Pupils will plan their writing, draft and write then evaluate by assessing its effectiveness and making improvements. They will develop characters, settings and plot, organise paragraphs around a theme and use appropriate vocabulary, grammar and punctuation consistently to clarify meaning and effect. They will also be taught grammatical terminology set out in the statutory guidance for Year 4.</p> <p>Handwriting - Pupils will continue with diagonal and horizontal strokes and will increase the legibility, consistency and quality of their handwriting.</p>
	<p>Number - Pupils will count in multiples of 6, 7, 9, 25 and 1000, find 100 more or less than a given number and count backwards through 0 to include negative numbers. They will be taught to recognise the place value of each digit in a four-digit number and round any number to the nearest 10, 100 or 1,000. They will use their knowledge of number to solve number and practical problems with increasingly large positive numbers. Pupils will read Roman numerals to 100.</p> <p>Calculation - Pupils will use formal written methods for addition, subtraction, multiplication and division, using inverse operations to check their answers. They will solve two step word problems in contexts, including scaling problems, deciding which operations and methods to use and why.</p> <p>Multiplication and Division -Pupils will recall multiplication and division facts for multiplication tables up to 12 × 12, use this knowledge and that of place value to multiply and divide mentally and use factor pairs to aid their mental calculation. They will use formal written methods to multiply 3 digit numbers by 1 digit numbers.</p> <p>Fractions and Decimals -Pupils will identify common equivalent fractions, count up and down in hundredths, solve problems involving increasingly harder fractions and add and subtract fractions with the same denominator. Pupils will recognise and write decimal equivalents of any number of tenths or hundreds, write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and multiply and divide number by 10 and 100. They will also round decimals with 1 decimal place to the nearest whole number.</p> <p>Measurement - Pupils will convert between different units of measure, measure and calculate the perimeter of a rectangle, find the area of a rectangle by counting squares, estimate, compare and calculate different measures, including money (£/p). They will solve problems which involve converting measures.</p> <p>Geometry - Pupils will recognise and compare 2 and 3d shapes based on their properties, identify acute and obtuse angles and compare and order angles, identify lines of symmetry in 2-D shapes presented in different orientations and complete a simple symmetric figure with respect to a specific line of symmetry. They will describe positions as coordinates and translate shapes left/right and up/down.</p> <p>Statistics - Pupils will interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs and solve comparison problems using the information presented in bar charts, pictograms, tables and other graphs.</p>



Sound – Pupils will identify how sounds are made, associating some of them with something vibrating, recognise that vibrations from sounds travel through a medium to the ear, find patterns between the pitch of a sound and features of the object that produced it, find patterns between the volume of a sound and the strength of the vibrations that produced it and recognise that sounds get fainter as the distance from the sound source increases.

States of Matter – Pupils will compare and group materials together, according to whether they are solids, liquids or gases, observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius ($^{\circ}\text{C}$), identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Electricity – Pupils will identify common appliances that run on electricity, construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. They will identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery and recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. They will recognise some common conductors and insulators and associate metals with being good conductors.

Animals including Humans – Pupils will recognise that living things can be grouped in a variety of ways, explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment, recognise that environments can change and that this can sometimes pose dangers to living things.

Living Things and Their Habitats – Pupils will describe the simple functions of the basic parts of the digestive system in humans, identify the different types of teeth in humans and their simple functions, construct and interpret a variety of food chains and identify producers, predators and prey.



Design and Technology tasks will be related to our creative topics and will provide opportunities for pupils to **design, make** and **evaluate** a range of products. They will work in a range of relevant contexts such as the home, school, gardens, local community etc. A range of creative and practical tasks will be used to allow pupils to use a variety of materials, tools and equipment will be carried out throughout the year.



Art will be linked to our creative topics providing opportunities for pupils to record observations, use a range of techniques including drawing, painting and sculptures using a wide range of different materials. They will study the work of a range of artists, craft makers and designers and make links to their own work. They will develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space.



Pupils will learn about invaders and settlers through the Anglo Saxons and Vikings. They will also study the history of different castles. Pupils will use a range of sources to find out about the historical development of the particular periods in history and develop a chronologically secure knowledge and understanding of British, local and world history.



Locational knowledge – Pupils will locate countries around the world, including their major cities, physical and human characteristics.

Place knowledge – During their topic 'Our European Neighbours', pupils will compare and contrast to our country names, locations and features of other European countries and capitals

Human and Physical geography – 'Around the World in 80 days' will allow children to compare countries of the world, climate zones, time zones, mountains, rivers and continents.

Pupils will learn how they can improve the environment of the local area through recycling, reducing waste and sustainability.

Geographical skills and fieldwork – They will use maps, atlases, globes, the 8 points of the compass, grid references and keys. They will draw maps and plans to record geographical features.



Pupils will use a range of technologies including; PCs, iPads, cameras and recording devices, use programs that support basic ICT skills as well as Movie making, Animation, Web Application, Gaming Design, Art in ICT, Spreadsheets and programming. E safety will be taught throughout the year ensuring the safe use of technologies and how to report concerns about content and contact.



Pupils will be taught to develop and extend their skills individually, in pairs and as part of a team. They will develop flexibility, strength, technique, control and balance. They will compare and improve on personal performance and play competitively through Dance, Gymnastics (including apparatus), Basketball, Hockey, Football, Tennis and Cricket.



Music will be taught through a range of musical activities. Pupils will learn to perform, listen to and review music related to our creative topics and themes. There will be many opportunities for singing, chanting, rhyming and playing tuned and un-tuned musical instruments throughout the year. Pupils will be composing their own music considering pitch and tempo by experimenting, creating, selecting and combining sounds.



In spoken and written language pupils will learn how to engage in conversations, speak in sentences, develop pronunciation, read and understand words and phrases, understand basic grammatical rules, read aloud and write simple paragraphs, which include description, based on simple models.



Pupils will study Islam - Prophet Muhammad (pbuh); the Final Messenger. They will also study Christianity looking at the Bible and Festivals of Christmas, Advent and Easter. They will investigate life as a Hindu, Jewish life and Buddhism, with a particular focus on Buddha and the Festival of Wesak.



Pupils will be given many opportunities for group discussions and reflecting on own experiences thinking about many different aspects of their lives. They will look at healthy and unhealthy choices and how to keep safe. SEAL (Social and Emotional Aspects of Learning) is incorporated into Battle Hill's PSHCE education - New beginnings, Getting on and falling out (including saying no to bullying), Going for Goals, Good to be me, Relationships and Changes.