



Curriculum Overview

Year: 5

English	<ul style="list-style-type: none">• Traditional Tales- reading and responding to Greek myths• Poetry- analysing and imitating the structure of cinquains (five-line poems); vocabulary building, experimenting with free verse and raps: using music, movement and sound effects when performing; appreciation of well-known poets, exploring imagery and justifying own response and interpretations• Instructions- developing understanding of instructional writing while creating recipes• Recounts and reports- consolidating knowledge of inverted commas, paragraphs, adjectives and adverbs; controlling length, pace and detail• Suspense and mystery- planning, writing and editing a short story, making precise use of punctuation and considered vocabulary choices• Discussion- developing debating skills, presenting two sides of an argument, participating in presentations and role play to explore issues• Explanations- writing about how models work, using features of the genre• Persuasion- identifying and analysing characteristics of persuasive packaging, leaflets and posters; using ambiguity, half-truth and bias• Fiction from our literary heritage- emulating author's style to describe engage and entertain
Mathematics	<ul style="list-style-type: none">• Spotting patterns in results, reasoning and explaining when solving problems; checking reasonableness of answers by making approximations; using diagrams, visual prompts and manipulatives to interpret problems• Ordering, partitioning and rounding numbers to at least 1,000,000• Using mental and written methods to add, subtract, multiply and divide, including long multiplication and division• Adding and subtracting decimals and fractions• Multiplying proper fractions and mixed numbers by whole numbers, supported by materials and diagrams• Multiplying and dividing whole and decimal numbers by 10, 100, 1000 etc• Drawing and interpreting tables and graphs, including line graphs and timetables• Using standard metric units of weight and length; converting between metric and imperial measures• Describing and representing the position of a shape following a reflection or translation, using coordinates where appropriate• Rehearsing names, and using properties of 2D and 3D shapes; reasoning about missing lengths and angles• Calculating area and perimeter of rectangles and compound shapes• Using positive and negative numbers• Identifying common multiples, factor pairs, prime, square and cube numbers• Solving problems involving scaling• Estimating volume and capacity; calculating volumes• Identifying, estimating and drawing angles• Knowing and using equivalence between fractions, decimals and percentages

<p>Science</p>	<ul style="list-style-type: none"> • Working scientifically by raising questions and planning scientific enquiries to answer these, recognising and controlling variables; taking measurements, using a range of scientific equipment with increasing accuracy and precision; taking repeat readings when appropriate; recording data and results using scientific diagrams and graphs; reporting and presenting findings from enquiries, including conclusions, and explanations of results • Living things and their Habitats - researching life-cycles of plants and animals; knowing the life cycle of a flowering plant; describing the life process of reproduction in plants; identifying the best conditions for germination; describing the differences in the life cycles of a mammal, amphibian, insect and bird; discussing the main stages and changes in the human life cycle • Properties and Changes of Materials- comparing and grouping materials on the basis of their properties; giving reasons for the particular uses of materials; describing how mixtures might be separated; knowing that liquids evaporate under certain conditions; identifying reversible and irreversible reactions; understanding that melting, freezing, evaporation and condensation are reversible changes; explaining the main stages in the water cycle • Earth and Space- researching and presenting individual projects focussing on our solar system, explaining day and night, seasons, and why the sun appears to move across the sky • Animals including humans- identifying main parts of human circulatory system; describing functions of the heart, blood vessels and blood; recognising the impact on the human body of exercise, drugs, diet and lifestyle • Studying and raising questions about the local environment during weekly Wildlife Explorers' Club for outdoor learning
<p>Computing</p>	<ul style="list-style-type: none"> • E-safety- discussing dangers of being online; agreeing rules for safe internet use • 'We Are Bloggers' -creating a blog; adding images and hyperlinks • 'We Are Game Developers'- creating artwork, designing a program, debugging and improving games • 'We are Cryptographers'- exploring, producing and cracking codes • 'We Are Artists'- creating tessellating patterns and computer-generated landscapes
<p>Religious Education</p>	<ul style="list-style-type: none"> • Islam- learning about the life of Muhammad and his importance to Muslims; developing an understanding of the five pillars of Islam • Christianity-examining the concept of incarnation • Advent and Christmas- considering whether Jesus was the Messiah • The Bible- discovering where the Bible came from, becoming familiar with books and people in the Bible The Last Supper and Easter – exploring the idea of Jesus' death as salvation for people • Christian Beliefs, Values and Actions – discussing and responding to dilemmas, how Christians love their neighbour; why Christians forgive; expressing views about Creation and Science
<p>Art</p>	<ul style="list-style-type: none"> • Observational drawings and paintings- developing sketching and shading techniques, using a variety of media • Containers- studying shapes, materials and uses, creating designs using pictures and patterns; modelling using papier mâché technique, choosing complementary and contrasting colours • Artist studies: David Hockney – creating a photo montage, emulating 'Joiners' examples; Bridget Riley – appreciating 'Op Art' and developing optical illusions in black and white, and colour.

Design & Technology	<ul style="list-style-type: none"> • Bread project- tasting, designing, making and evaluating speciality bread • Cam Models- planning, designing and making moving toys using card, wood, dowel, tubing, wheels and cams
Geography	<ul style="list-style-type: none"> • Mapping the World- naming and locating the world's continents, oceans, countries and capital cities • Rivers from source to sea- describing and understanding the physical geography of rivers • Weather- understanding rainfall and the water cycle • North America- using atlases and maps to label countries; describing and understanding features of physical geography, including: climate zones, biomes and vegetation belts, mountains, volcanoes and earthquakes; investigating and comparing climates in North America
History	<ul style="list-style-type: none"> • Ancient Greeks- placing the ancient Greek civilization in time; understanding how modern-day Greece is different from Ancient Greece; appreciating the range of sources that can be used to find out about the ancient Greeks; inferring information about Greek wars and warfare from illustrations and maps; answering questions showing understanding of myths and legends • Anglo Saxons- identifying locations of Saxon Kingdoms and settlements; reading and creating runes; working in groups to research and present information about Anglo Saxon life • North America- listening, reading and responding to information about native American tribes and culture
Languages	<p>French:</p> <ul style="list-style-type: none"> • Listening: understanding and responding to instructions and questions; learning a song with actions • anticipating with some accuracy the spelling of new words they hear, by applying their phonics knowledge • Speaking: asking and answering questions; signaling a problem and asking for help; expressing opinions in sentences • Reading: finding out about French culture; keeping a vocabulary list of new words; read texts and answering questions to show understanding; explaining answers by identifying and reading aloud part of French text where answer was located; link meanings with cognates/ near cognates and knowledge of Latin derivations. • Writing: developing dictionary skills; using adjectives chosen from a selection to change sentence meanings; using model sentences describing a person to create own sentences describing another person; using model sentences about a person to create own sentences about oneself. • Latin: 'Minimus Mouse'- translating comic strips, discussing word derivations, looking for and applying patterns when using nouns, verbs and adjectives
Music	<p>Learning to play the recorder and ocarina- playing and performing, improvising and composing, in solo and ensemble contexts</p> <p>Singing- learning and rehearsing songs; memorising melodies and lyrics</p>
Physical Education	<p>Gymnastics, Games, Dance- using running, jumping, throwing and catching in isolation and in combination; playing competitive games; applying basic principles for attacking and defending; developing flexibility, strength, technique, control and balance; performing dances using a range of movement patterns; comparing performances with previous ones and demonstrating improvement</p> <p>Swimming and water safety- swimming competently, confidently and proficiently over a distance of at least 25 metres; using a range of strokes effectively</p>

PSHE

- 'New Beginnings'- deciding rights and responsibilities of group; enjoying learning; facilitating positive group work
- 'Getting on and Falling out'- developing empathy; managing feelings; improving social skills
- 'Going for Goals'- developing resilience; taking reasonable risks
- 'Good to be me'- growing self-awareness; staying calm; appreciating individuality
- 'Relationships'- keeping an open mind; reflecting on choices and consequences; resolving conflicts
- 'Changes'- coping with change; communicating feelings