

# Curriculum Overview for Year 5

<p><u>Reading</u></p> <p>Apply knowledge of morphology and etymology when reading new words Read and discuss a broad range of genres and texts Identify and discuss themes Make recommendations to others Learn poetry by heart Draw inferences and make predictions Ask questions to improve understanding Summarise main ideas Discuss authors' use of language Retrieve and present information from non-fiction texts</p>	<p><u>Writing</u></p> <p>Have a secure understanding of spelling rules including homophones, prefixes, silent letters, etc. Use a thesaurus to improve vocabulary choices Use a Dictionary to check spellings Legible, fluent handwriting Plan writing to suit audience and purpose Develop character, setting and atmosphere in narrative Use organisational and presentational features Use consistent appropriate tense Proof-read own work Perform own compositions</p>	<p><u>Grammar</u></p> <p>Use modal and passive verbs Use relative clauses Use brackets, dashes and commas for parenthesis Use devices to build cohesion</p> <p><u>Speaking &amp; Listening</u></p> <p>Speak fluently with a good command of Standard English Participate in discussions, performances and presentations Consider and evaluate different viewpoints Use appropriate register</p>	<p><u>Art &amp; Design</u></p> <p>Develop techniques for using different materials Create sketchbooks to record observations, revisit ideas and plan further projects Improve mastery of a range of art and design techniques including drawing, painting and sculpture Learn about great artists, art movements, architects and designers in history</p>	<p><u>Computing</u></p> <p>Design, write and debug programs to accomplish specific goals Understand computer networks Use search technologies effectively Use a variety of software Use technology safely and responsibly</p>
<p><u>Number/Calculation</u></p> <p>Understand place value to 1,000,000 Round numbers to the nearest ten, hundred or thousand Order and compare numbers Use negative whole numbers in context Use Roman numerals to 1000 Use standard written methods for all four operations Confidently add and subtract mentally Use vocabulary of prime, factor and multiple Multiply and divide by powers of ten Use square and cube numbers Solve multi-step word problems Check answers using estimation and the inverse</p>	<p><u>Geometry &amp; Measures</u></p> <p>Convert between different units including units of time Calculate perimeter of composite shapes and area of rectangles Estimate volume and capacity Identify 3-D shapes Measure and identify angles Understand regular polygons Reflect and translate shapes Find missing lengths and angles</p> <p><u>Data</u></p> <p>Interpret tables and line graphs Solve questions about line graphs</p>	<p><u>Fractions</u></p> <p>Compare and order fractions Add and subtract fractions with common denominators, with mixed numbers Multiply fractions by units Write decimals as fractions Order and round decimal numbers Link percentages to fractions and decimals</p>	<p><u>Design &amp; Technology</u></p> <p>Use research to develop design criteria Generate, develop and communicate ideas through sketches, diagrams and prototypes Select from and use a wide range of tools, equipment and materials Analyse existing products and evaluate own work Work with structures, mechanical systems and electrical systems Prepare and cook a variety of predominantly savoury dishes Understand the origins of a range of food products Understand the principles of a healthy and varied diet</p>	<p><u>Geography</u></p> <p>Use maps and atlases including 3D digital mapping Locate the world's countries Describe and understand different climate zones including rainforests Describe and understand economic activity including trade links and natural resources Compare the geography of the UK with another region in Europe and in South America</p>
<p><u>Science</u></p> <p>Animals including humans—describe changes as humans develop from birth to old age Living things and their habitats—describe the life cycles of mammals, amphibians, insects and birds; describe the life process of plants Properties and changes of materials—compare and group materials, create a solution, understand reversible and irreversible changes, give reasons for the uses of everyday materials, test the properties of materials Forces and magnets—understand gravity, recognise that some mechanisms allow a smaller force to have a greater effect, identify the effect of water resistance, air resistance and friction Earth and space—describe the movement of the Earth and planets relative to the sun, describe the movement of the moon relevant to the earth, understand the Earth's rotation and its effects Working scientifically—plan scientific enquiries, take measurements, report and present findings, use scientific vocabulary accurately, make predictions</p>	<p><u>History</u></p> <p>Understand the chronology of aspects of world history Understand how our knowledge of the past is constructed from a range of sources Study ancient Greek life and achievements and their influence on the western world Study the Mayan civilisation</p>	<p><u>Modern Foreign Languages</u></p> <p>Understand spoken language Ask and answer questions Speak in sentences using familiar vocabulary and phrases Develop accurate pronunciation Understand basic grammar</p>	<p><u>Music</u></p> <p>Play and perform music Improvise and compose music for different purposes Appreciate and understand a range of high-quality music from different traditions and great composers or musicians</p>	
		<p><u>Physical Education</u></p> <p>Develop skills of running, jumping, throwing and catching Play competitive games and apply the basic principles of attack and defence Develop flexibility, strength, balance and control Perform dances using a range of movement patterns Take part in outdoor and adventurous challenges Compare performances and demonstrate improvement Swim competently using a range of strokes</p>	<p><u>Religious Education</u></p> <p>Understand and explore a variety of world religions Understand how following a religion might influence an individual's life</p>	