

Year 5	<b>Curriculum Overview 2024-2025</b> The table below shows our creative curriculum.				
Units of work	The Titanic	Earth and Beyond	Mighty Mountains	The Tudors	South America (including the Mayans)
Reading Text					
Writing	<b>Writing to Inform:</b> Recount  1- Diary 2- Recount	<b>Writing to Entertain:</b> Postcard  <b>Writing to Entertain:</b> Story  <b>Writing to Inform:</b> Planet non-chronological report	<b>Writing to Inform</b> Survival Guide	<b>Writing to Persuade:</b> Persuasive Letter  <b>Writing to Entertain:</b> Suspense Story	<b>Writing to Inform:</b> Newspaper article  <b>Writing to Entertain:</b> Story
Science Also see below		Science- Earth and space			
History	The Titanic		Historical achievements: Edmund Hilary and Tenzing Norgay	The Tudors	The Ancient Maya Civilisation
Geography			Mountains- physical and human geography		South America

Year 5	<h2 style="text-align: center;">Maths Overview 2024-2025</h2> <p style="text-align: center;">The table below shows our maths curriculum.</p>														
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12			
<b>Autumn</b>	<p style="text-align: center;"><u>Number and Place Value</u></p> <ul style="list-style-type: none"> <li>read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit</li> <li>count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</li> <li>interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0</li> <li>round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000</li> <li>solve number problems and practical problems that involve all of the above</li> <li>read Roman numerals to 1,000 (M) and recognise years written in Roman numerals</li> </ul>			<p style="text-align: center;"><u>Addition and Subtraction</u></p> <ul style="list-style-type: none"> <li>add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</li> <li>add and subtract numbers mentally with increasingly large numbers</li> <li>use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</li> <li>solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> </ul>			<p style="text-align: center;"><u>Multiplication and Division</u></p> <ul style="list-style-type: none"> <li>identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers</li> <li>know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</li> <li>establish whether a number up to 100 is prime and recall prime numbers up to 19</li> <li>multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000</li> <li>recognise and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>)</li> <li>solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes</li> </ul>			<p style="text-align: center;"><u>Fractions</u></p> <ul style="list-style-type: none"> <li>compare and order fractions whose denominators are all multiples of the same number</li> <li>identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</li> <li>recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number [for example, <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}</math>]</li> <li>add and subtract fractions with the same denominator, and denominators that are multiples of the same number</li> </ul>					
<b>Spring</b>	<p style="text-align: center;"><u>Multiplication and Division</u></p> <ul style="list-style-type: none"> <li>multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</li> <li>multiply and divide numbers mentally, drawing upon known facts</li> <li>divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context</li> <li>solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</li> <li>solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates</li> </ul>			<p style="text-align: center;"><u>Fractions</u></p> <ul style="list-style-type: none"> <li>multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</li> </ul>			<p style="text-align: center;"><u>Decimals and Percentages</u></p> <ul style="list-style-type: none"> <li>recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction</li> <li>solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{2}{5}</math>, <math>\frac{4}{5}</math> and those fractions with a denominator of a multiple of 10 or 25</li> </ul>			<p style="text-align: center;"><u>Measurement: Perimeter and Area</u></p> <ul style="list-style-type: none"> <li>measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</li> <li>calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (<math>\text{cm}^2</math>) and square metres (<math>\text{m}^2</math>), and estimate the area of irregular shapes</li> </ul>			<p style="text-align: center;"><u>Statistics</u></p> <ul style="list-style-type: none"> <li>solve comparison, sum and difference problems using information presented in a line graph</li> <li>complete, read and interpret information in tables, including timetables</li> </ul>		
<b>Summer</b>	<p style="text-align: center;"><u>Properties of Shape</u></p> <ul style="list-style-type: none"> <li>identify 3-D shapes, including cubes and other cuboids, from 2-D representations</li> <li>know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</li> <li>draw given angles, and measure them in degrees (<math>^\circ</math>)</li> <li>identify: angles at a point and 1 whole turn (total <math>360^\circ</math>), angles at a point on a straight line and half a turn (total <math>180^\circ</math>), other multiples of <math>90^\circ</math>, use the properties of rectangles to deduce related facts and find missing lengths and angles, distinguish between regular and irregular polygons based on reasoning about equal sides and angles</li> </ul>			<p style="text-align: center;"><u>Position and Direction</u></p> <ul style="list-style-type: none"> <li>identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed</li> </ul>			<p style="text-align: center;"><u>Decimals</u></p> <ul style="list-style-type: none"> <li>read and write decimal numbers as fractions [for example, <math>0.71 = \frac{71}{100}</math>]</li> <li>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</li> <li>read, write, order and compare numbers with up to 3 decimal places</li> <li>solve problems involving number up to 3 decimal places</li> <li>round decimals with 2 decimal places to the nearest whole number and to 1 decimal place</li> </ul>			<p style="text-align: center;"><u>Negative numbers</u></p> <ul style="list-style-type: none"> <li>interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0</li> </ul>		<p style="text-align: center;"><u>Measurement: Converting Units and Volume</u></p> <ul style="list-style-type: none"> <li>convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]</li> <li>understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints</li> <li>estimate volume [for example, using <math>1\text{ cm}^3</math> blocks to build cuboids (including cubes)] and capacity [for example, using water]</li> <li>solve problems involving converting between units of time</li> <li>use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling</li> </ul>			

Curriculum Overview 2024-2025										
Year 5	The table below shows units within particular subjects that are taught discretely.									
Science	Forces	Earth and Space	Properties and changes of materials			Living things and their habitats	Animals including humans			
Computing	Flat file databases	Video Production	Selection in physical computing		Selection in quizzes					
Art & Design		Drawing: I Need Space		Painting and Mixed Media: Portraits			Sculpture and 3D: Interactive Installation			
Design & Technology	Mechanical Systems: Making a pop-up book			Electrical Systems: Doodlers			Cooking and Nutrition: What Could Be Healthier?			
PSHE	Being Me In My World	Celebrating Difference	Dreams and Goals		Healthy Me	Relationships	Changing me			
RE	Christianity: Why is the idea of 'rescue' so important to Christians?	Christianity- What do Christians believe about creation?	Christianity: How did the church begin and where is it now?		Hindu Dharma: Why should Hindus live a good life?	Islam: What helps Muslims to live a good life?		How did it all begin?		
PE	Basketball & Hockey	Indoor Athletics & Volleyball	Gymnastics & Cross-Country		Tennis & Athletics	Athletics & Cricket		Rounders & Dance		
Music	Pitch and Elements Pitch Notation	Celestial Composers – Earth and Space Music history	Christmas: French Carol, World Carols (English) Singing and performance		Celestial Composers 2 – Earth and Space Music Listening, Music appreciation	World Book Day singing	Review Pitch notation – glockenspiels Music terminology	Tudor Music – history and instruments, sounds		
French	The Body – Dictionary work parts Masc/fem nouns Numbers to 50, Counting, dictionary work	The Body 2 – Numbers to 50, Counting body parts,	French Christmas Carol	French Christmas traditions	The body 3- J'ai mal: expressing injury/illness	General conversation review, opinions	Pets Adding Colour	Pets 2 Adding adjectives Masc/fem, plurals, counting BANGS	La fête de la musique	Rainforest