

## Year 5 Learning Overview – Autumn Term 2

<p><b>English</b></p>	<p><b>Text:</b> The Man who walked between the Towers by Mordicai Gerstein</p> <p><b>Outcomes:</b> Non chronological reports, persuasive letters, recounts, newspaper reports, biographies, letters of advice</p> <p><b>Skills:</b> Sentence openers, complex sentences, figurative language, relative clauses</p>
<p><b>Maths</b></p>	<p><b>Area and Perimeter:</b> Measure and calculate the perimeter of composite rectilinear shapes in cm and m. Calculate and compare the area of rectangles (including squares), and including using standard units, cm<sup>2</sup>,m<sup>2</sup> estimate the area of irregular shapes.</p> <p><b>Multiplication and Division:</b> Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes. Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for 2 digit numbers. Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and by 2 digit numbers (long division) and interpret remainders appropriately for the context.</p> <p><b>Fractions</b> Compare and order fractions whose denominators are multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements &gt;1 as a mixed number. Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p>
<p><b>Science</b></p>	<p><b>Forces</b> Measure forces in Newtons and identify the direction in which they act. Identify the effects of air resistance, water resistance and friction. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p>
<p><b>Drama</b></p>	<p>Core physical movement skills Exploring Character</p>
<p><b>French</b></p>	<p>Food and drink, local specialities Understanding instructions Giving instructions</p>
<p><b>Spanish</b></p>	<p>All about Spain Weather Nationalities Christmas</p>
<p><b>Food Tech</b></p>	<p>What is carbohydrate? Making bread using different raising agents What is Baking Powder and Bicarbonate of Soda? Making Christmas Eccles cakes for Elderly Homes</p>

	Skill: Analysing food tasting with good sensory verbs, kneading, rubbing-in, binding, weighing, mixing, rolling scoring, washing and drying
<b>Humanities</b>	<b>The Victorians</b> Schools Children at Play Workhouses The Great Exhibition A Victorian Christmas
<b>Computing</b>	<b>We are game developers</b> To complete the programming of an original game. <b>Microsoft Tools</b> Exploring Microsoft Sway and Forms
<b>Art</b>	Painting three dimensional form using tone. Students will continue to focus on the use of tone when creating drawings and paintings of objects so that they appear to be three dimensional. They will revise colour mixing, blending and brushstroke work.
<b>Music</b>	Using voices expressively through singing rounds, part singing, a capella. Playing tuned/un-tuned instruments to Mozart's Minuet in F. Composing a piece in binary form. Preparing for the Christmas service.
<b>PE</b>	<b>Games – Netball</b> Continue to develop knowledge of netball rules, infringements and appropriate actions e.g. penalty pass Ball Handling: Develop accuracy and variety of passing Possession: Space, Cutting in front, Passing into space, holding the space, order of play Game Play – Full game play in preparation for House Netball  <b>P.E – Fitness:</b> Exploring training techniques – Cardiovascular Fitness Continue to develop an understanding of how to keep the body fit and healthy Exposure to different training methods e.g. continue training  <b>Swimming</b> Continue to develop good technique across all 4 strokes, using teaching practices or coaching drills when appropriate. Introduce elements of “Swim England’s Personal Survival Award Scheme”.
<b>RE</b>	<b>Sikhism</b> Sacred Writings Special Festivals