

Year 7 Mathematics

Learning Programme 4

<p>The LORIC skill focus for his LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme? In LP4 I will be learning about angles, data handling, ratio and proportion.</p> <p>Where have I seen this learning before? KS2: types of angles, tally charts, bar charts.</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve statistical problems and I will be able to compare sets of data.</p>		<p>Literacy:</p> <ul style="list-style-type: none"> Capital letters must be used at the start of sentences and for the first letter of proper nouns Full stops must be used at the end of a sentence Question marks must be used at the end of a question Apostrophes should only be used for possession or omission Days of the week and months must be spelled correctly Key words must be spelled correctly
<p>In LP4.1, I will know:</p> <p>how to use angles as a measure of turn and classify them; how to measure angles up to 360 degrees; how to draw angles up to 360 degrees.</p>	<p>10/03/25 - (WK 2)</p> <p>Key Vocabulary</p> <p>Obtuse</p>	<p>Homework</p> <p>LP3:7 Consolidation Sparx Maths</p>
<p>In LP4.2, I will know:</p> <p>how to use the sum of angles at a point and on a straight line; how to apply the sum of angles in a triangle and in quadrilaterals; how to identify and use vertically opposite angles.</p>	<p>17/03/25 - (WK 1)</p> <p>Key Vocabulary</p> <p>Vertically Opposite</p>	<p>Homework</p> <p>LP4:1 Topics plus consolidation Sparx Maths</p>
<p>In LP4.3, I will know:</p> <p>how to find the mode and median from a set of data; how to calculate the mean from a set of data; how to calculate the range from a set of data.</p> <p>Extended Task.</p>	<p>24/03/25 - (WK 2)</p> <p>Key Vocabulary</p> <p>Average</p>	<p>Homework</p> <p>LP4:2 Topics plus consolidation Sparx Maths</p>
<p>In LP4.4, I will know:</p> <p>how to interpret tally charts, frequency tables and two-way tables; how to draw and interpret pictograms; how to draw and interpret bar charts.</p>	<p>31/03/25 - (WK 1)</p> <p>Key Vocabulary</p> <p>Pictogram</p>	<p>Homework</p> <p>LP4:3 Topics plus consolidation Sparx Maths</p>
<p>In LP4.5, I will know:</p> <p>how to find averages from a frequency table; how to solve problems by choosing appropriate averages.</p>	<p>21/04/25 - (WK 2)</p> <p>Key Vocabulary</p> <p>Frequency</p>	<p>Homework</p> <p>LP4:4 Topics plus consolidation Sparx Maths</p>
<p>In LP4.6, I will know:</p> <p>how to use ratio notation; how to simplify ratios; how to solve problems involving ratios in 1:n form and m:n.</p> <p>Extended Task.</p>	<p>28/04/25 - (WK 1)</p> <p>Key Vocabulary</p> <p>Ratio</p>	<p>Homework</p> <p>LP4:5 Topics plus consolidation Sparx Maths</p>
<p>In LP4.7, I will know:</p> <p>how to divide a value into a given ratio; how to compare ratios and related fractions; how to solve simple proportion worded problems.</p>	<p>05/05/25 - (WK 2)</p> <p>Key Vocabulary</p> <p>Proportion</p>	<p>Homework</p> <p>LP4:6 Topics plus consolidation Sparx Maths</p>
<p>Resources to support learning:</p> <p>Pupils have access to knowledge organisers and Sparx Maths to further support them in their Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. Pupils can access any topic in the Independent Practice section on Sparx Maths. Sparx Maths has been introduced to the pupils by their teachers and their login details should be written in their planner.</p>		
<p>FFET Award Challenge for this Learning Programme:</p> <p>Complete 4 XP Boost or Target Tasks on Sparx Maths</p>		

PRT Task 1

PRT Task 2