

Year 8 Mathematics

Learning Programme 5

<p>The LORIC skill focus for this LP is: COMMUNICATION.</p> <p>The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears.</p> <p>Humility - Having a modest view of oneself.</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>What will I be learning about in this Learning Programme?</p> <p>In LP5 I will be learning about the data handling cycle, proportional reasoning and probability.</p>			
<p>Where have I seen this learning before?</p> <p>Year 7: solve problems with line and bar charts, construct and interpret pie charts, find the median and the range, find the mean</p>			
<p>What could I use it for?</p> <p>The knowledge and skills I will learn in this learning programme will allow me to solve problems involving statistics and develop the language of probability. I will learn how to solve problem involving proportion and be able to link this to prior knowledge on ratio.</p>			
<p>In LP5.1, I will know:</p> <p>how to recognise line symmetry; how to reflect a shape in a horizontal or vertical line ; how to reflect a shape in a diagonal line.</p>	<p>13/05/24 - (WK 1)</p>	<p>Key Vocabulary</p> <p>Reflection</p>	<p>Homework</p> <p>LP4 consolidation Sparx Maths</p>
<p>In LP5.2, I will know:</p> <p>how to set up a statistical enquiry and design and criticise questionnaires; how to draw and interpret multiple bar charts and line graphs; how to draw and interpret pie charts.</p>	<p>20/05/24 - (WK 2)</p>	<p>Key Vocabulary</p> <p>Frequency</p>	<p>Homework</p> <p>LP5:1 Topics plus consolidation Sparx Maths</p>
<p>In LP5.3, I will know:</p> <p>how to choose the most appropriate diagram for a given set of data and identify misleading graphs; how to represent and interpret grouped quantitative data; how to find and interpret the range.</p> <p>Extended Task.</p>	<p>03/06/24 - (WK 1)</p>	<p>Key Vocabulary</p> <p>Quantative</p>	<p>Homework</p> <p>LP5:2 Topics plus consolidation Sparx Maths</p>
<p>In LP5.4, I will know:</p> <p>how to find and use the mean, median and mode; how to compare distributions using averages and the range; how to choose the most appropriate average.</p>	<p>10/06/24 - (WK 2)</p>	<p>Key Vocabulary</p> <p>Average</p>	<p>Homework</p> <p>LP5:3 Topics plus consolidation Sparx Maths</p>
<p>In LP5.5, I will know:</p> <p>how to draw and interpret scatter graphs; how to describe linear correlation; how to draw and use line of best fit.</p>	<p>17/06/24 - (WK 1)</p>	<p>Key Vocabulary</p> <p>Correlation</p>	<p>Homework</p> <p>LP5:4 Topics plus consolidation Sparx Maths</p>
<p>In LP5.6, I will know:</p> <p>how to identify non-linear relationships and different types of data; how to read and interpret grouped and ungrouped frequency tables; how to represent grouped discrete data and continuous data grouped into equal classes.</p> <p>Extended Task.</p>	<p>24/06/24 - (WK 2)</p>	<p>Key Vocabulary</p> <p>Discrete</p>	<p>Homework</p> <p>LP5:5 Topics plus consolidation Sparx Maths</p>
<p>In LP5.7, I will know:</p> <p>how to construct sample spaces for 1 or more events; how to find probabilities from sample space; how to represent data in two-way tables.</p>	<p>01/07/24 - (WK 1)</p>	<p>Key Vocabulary</p> <p>Independent</p>	<p>Homework</p> <p>LP5:6 Topics plus consolidation Sparx Maths</p>
<p>In LP5.8, I will know:</p> <p>how to find probabilities from two-way tables; how to find probabilities from Venn diagrams; how to use the product rule for finding the total number of possible outcomes.</p>	<p>08/07/24 - (WK 2)</p>	<p>Key Vocabulary</p> <p>Mutually Exclusive</p>	<p>Homework</p> <p>LP5:7 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 Tasks on Sparx Maths</p>			

PRT Task 1

PRT Task 2