

## Year 12 Mathematics Statistics Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION The Moral Virtues focus for this LP are: COMPASSION and HONESTY Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others. Honesty - the quality of being truthful.</p>		<p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>• Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>• Full stops must be used at the end of a sentence</li> <li>• Question marks must be used at the end of a question</li> <li>• Apostrophes should only be used for possession or omission</li> <li>• Days of the week and months must be spelled correctly</li> <li>• Key words must be spelled correctly</li> </ul>	
<p><b>What will I be learning about in this Learning Programme?</b> In LP2 I will be learning about histograms, scatter graphs, Venn diagrams, tree diagrams and probability.</p>			
<p><b>Where have I seen this learning before?</b> GCSE: probability, data handling and tree diagrams.</p> <p><b>What could I use it for?</b> The knowledge and skills I will learn in this learning programme will allow me to solve statistical problems. These skills are used in business.</p>			
<b>In LP2.1, I will know:</b>	<b>21/10/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to draw and interpret histograms; how to compare data sets.		Histograms	Histograms
<b>In LP2.2, I will know:</b>	<b>04/11/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to interpret scatter graphs; how to solve problems with correlation and regression.		Correlation	Scatter Graphs
<b>LP2 RLW, I will:</b>	<b>11/11/24 - (WK 2)</b>		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			
<b>In LP2.3, I will know:</b>	<b>18/11/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to calculate probabilities; how to draw and interpret Venn diagrams.		Intersection	Venn Diagrams
Extended Task.			
<b>In LP2.4, I will know:</b>	<b>25/11/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to solve problems involving mutually exclusive events; how to solve problems involving independent events.		Independent	Probability
<b>In LP2.5, I will know:</b>	<b>02/12/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to draw and interpret tree diagrams; how to interpret probability distribution.		Conditional	Probability
<b>In LP2.6, I will know:</b>	<b>09/12/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to solve problems with the binomial distribution; how to calculate cumulative probabilities.		Binomial	Binomial Distribution
Extended Task.			
<b>In LP2.7, I will know:</b>	<b>16/12/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to form and test a hypothesis; how to find critical values from a hypothesis test.		Hypothesis	Hypothesis Testing
<b>Resources to support learning:</b>			
Use your knowledge organisers to support with revision and recall. Here are some online resources to further support you in your Mathematics revision beyond the classroom. All weekly homework tasks area based on the exercises from the book. In addition to homework, Pupils should use questions not used in class plus the review exercises to help support learning from outside the classroom. Online Resource for homework and exam practice: <a href="https://www.drfrostmaths.com/">https://www.drfrostmaths.com/</a> . Topic based exam questions - <a href="https://www.mathsgenie.co.uk/">https://www.mathsgenie.co.uk/</a>			
<b>FEET Award Challenge for this Learning Programme:</b>			
Independently complete an exam question on a topic of your choice from LP2.			

