

## Year 13 Mathematics Learning Programme 2

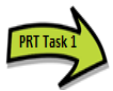
<p>The LORIC skill focus for his LP is: ORGANISATION</p> <p>The Moral Virtues focus for this LP are: COMPASSION and HONESTY</p> <p>Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.</p> <p>Honesty - the quality of being truthful.</p> <p><b>What will I be learning about in this Learning Programme?</b></p> <p>In LP2 I will be learning about the Normal Distribution and functions.</p> <p><b>Where have I seen this learning before?</b></p> <p>Year 12: The binomial distribution.</p> <p><b>What could I use it for?</b></p> <p>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>	<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>
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<b>In LP2.1, I will know:</b>	<b>21/10/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to identify the characteristics of a normal distribution curve; how to use normal distribution to calculate percentage points.		Distribution	Normal Distribution 1

<b>In LP2.2, I will know:</b>	<b>04/11/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to use normal distribution to calculate values.		Normal	Normal Distribution 2

<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.			

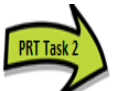
<b>In LP2.3, I will know:</b>	<b>18/11/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to use normal distribution to calculate means and standard deviations; how to approximate a binomial distribution using normal distributions.		Standard Deviation	Normal Distribution 3
Extended Task.			



<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 normal distribution problems.		Variation	Normal Distribution 3

<b>In LP2.5, I will know:</b>	<b>02/12/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to carry out hypothesis testing for the mean of a normal distribution.		Hypothesis	Hypothesis Testing

<b>In LP2.6, I will know:</b>	<b>09/12/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to use functions and mappings, how to use composite functions.		Composite	Functions
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 use the modulus function, , .		Modulus	Modulus Function

<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>FFET Award Challenge for this Learning Programme:</b>
Independently complete an exam question on a topic of your choice from LP2.