

Year 12 Mathematics - Statistics

Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION.		Literacy: <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	
The Moral Virtues focus for this LP are: COURAGE and HUMILITY.			
Courage - Acting with bravery and overcoming fears.			
Humility - Having a modest view of oneself.			
What will I be learning about in this Learning Programme? In LP5 I will be learning about probability and the normal distribution.			
Where have I seen this learning before? GCSE: Venn diagrams, tree diagrams.			
What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve statistical analysis problems. This knowledge will be used in careers in the medical field.			
In LP5.1, I will know:	12/05/25 - (WK 1)	Key Vocabulary	Homework
how to interpret and use set notation; how to calculate with conditional probability.		Conditional	Probability 1
In LP5.2, I will know:	19/05/25 - (WK 2)	Key Vocabulary	Homework
how to solve problems using Venn diagrams; how to use probability formulae.		Intersection	Probability 2
LP5 RLW, I will:	02/06/25 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			Revision
In LP5.3, I will know:	09/05/25 - (WK 2)	Key Vocabulary	Homework
how to solve problems using probability tree diagrams; how to recognise a normal distribution.		Distribution	Tree Diagrams
Extended Task.			
In LP5.4, I will know:	16/06/25 - (WK 1)	Key Vocabulary	Homework
how to find probabilities for a normal distribution; how to use the inverse normal distribution function.		Variable	Normal Distribution 1
In LP5.5, I will know:	23/06/25 - (WK 2)	Key Vocabulary	Homework
how to use a standard normal distribution; how to work with random variables.		Random	Normal Distribution 2
In LP5.6, I will know:	30/06/25 - (WK 1)	Key Vocabulary	Homework
how to approximate a binomial distribution; how to do a hypothesis test with a normal distribution.		Hypothesis	Normal Distribution 3
Extended Task.			
In LP5.7, I will know:	07/06/25 - (WK 2)	Key Vocabulary	Homework
how to consolidate my knowledge to solve examination style problems.		Consolidation	Revision
Resources to support learning: 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 are 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: https://www.drfrstmaths.com/ . Topic based exam questions - https://www.mathsgenie.co.uk/			
FFET Award Challenge for this Learning Programme: Create a revision mind/map or poster of any of the Statistics chapters.			

PRT Task 1

PRT Task 2