



# Longfield Learning Journey



<b>Key Stage 4 HIGHER</b>	<b>Unit of work: Probability</b>			
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<b>Key Words:</b>	<b>Prerequisites Green core – Blue extend</b>	<b>R</b>	<b>A</b>	<b>G</b>
Random, fair, theoretical, experimental, bias, trails, outcomes, exhaustive, mutually exclusive, independent.	Add and subtract fractions.			
	Calculate fractions of an amount.			
	Change fractions to decimals.			

	<b>Content: Probability - Unit 8</b>	<b>R</b>	<b>A</b>	<b>G</b>
P1	Record, describe and analyse the frequency of outcomes of probability experiments using tables.			
P2	Apply ideas of randomness, fairness and equally likely events to calculate expected outcomes of multiple future experiments.			
P3	Relate relative expected frequencies to theoretical probability, using appropriate language and the 0 – 1 probability scale.			
P3	Compare theoretical and experimental probabilities and discuss bias.			
P5	Understand that increasing the number of trials gives a more reliable result.			
P4	Apply the property that probabilities of an exhaustive set of outcomes sum to 1.			
P4	Understand the definition of two mutually exclusive events.			
P4	Apply the property that an exhaustive set of mutually exclusive events sum to 1.			

<b>K</b> <i>What you know</i>	<b>W</b> <i>What you want to know</i>	<b>L</b> <i>What have you learned</i>