



Year 13 Mathematics **Learning Programme 3**

The LORIC skill focus for his LP is: RESILIENCE			Literacy:
The Moral Virtues focus for this LP are: RESPECT and JUSTICE			 Capital letters must be used at the star of sentences and for the first letter of
Respect - treat others how you would wish to be treated yourself.			proper nouns
Justice - our College rules are fair and reasonable.			• Full stops must be used at the end of a
What will I be learning about in this Learning Programme?			sentence
In LP3 I will be learning about functions, Binomial expansion and	d iteration.		Question marks must be used at the
			end of a question
			 Apostrophes should only be used for possession or omission
Where have I seen this learning before?			Days of the week and months must be
Year 12: Binomial expansion where the power is an integer, functions, transformation of simple functions.			spelled correctly
			Key words must be spelled correctly
What could I use it for?			
The knowledge and skills I will learn in this learning programme	will allow me to solve algebraic problems. These s	kills will be used in careers such as coding	
and computing.			
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In LP3.1, I will know: how to use the modulus function;	06/01/25 - (WK 2)	Key Vocabulary	Homework Modulus Function
how to use the modulus function; how to draw mappings of functions.			IVIOGUIUS FUTICUOTI
		Function	
In LP3.2, I will know:	13/01/25 - (WK 1)	Key Vocabulary	Homework
how to work with composite functions.			Composite Functions
		Composite	
		Composite	
In LP3.3, I will know:	20/01/25 - (WK 2)	Key Vocabulary	Homework
how to solve inverse function problems;			Inverse Functions
how to sketch the modulus of functions.		Modulus	
		Modulus	
In LP3.4, I will know:	27/01/25 - (WK 1)	Key Vocabulary	Homework
how to combine transformations of functions.	27/02/20 (118/2)	Rey vocabulary	Transformations
		Transformation	
Extended Task.			
In LP3.5, I will know:	03/02/25 - (WK 2)	Key Vocabulary	Homework
how to use Binomial expansion when the power is fractional; how to use Binomial expansion when the power is negative.			Binomial Expansion 1
now to use billomial expansion when the power is negative.		Binomial	
In LP3.6, I will know:	10/02/25 - (WK 1)	Key Vocabulary	Homework
how to use partial fractions with Binomial expansion.			Binomial Expansion 2
		Dantial Frantisms	
		Partial Fractions	
LP2 RLW, I will:	24/02/25 - (WK 2)	Key Vocabulary	Homework
			Exam Paper
review my learning, recalling and applying key knowledge, and	ocus on closing any gaps in my knowledge.		
to 102.7 Levill by some	02/02/25 (NWA)		
In LP3.7, I will know:	03/03/25 - (WK 1)	Key Vocabulary	Homework
how to locate roots of equations; how to use iteration.			Iteration
now to use iteration.		Iteration	
		iteration	
Extended Task.		iteration	



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.

FFET Award Challenge for this Learning Programme:

Complete a Maths exam paper from Maths Genie independently.