Year 11 Mathematics - Higher - Set 1
Learning Programme 4

The LORIC skill focus for his LP is: INITIATIVE.
The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.

Integrity - Having strong moral principles.
Gratitude - Feeling and expressing thanks.

What will I be learning about in this Learning Programme?
In LP4 I will be learning about data handling, volume, vectors and algebraic manipulation.

Where have I seen this learning before?
All of this Learning Programme is revision of topics covered earlier in Year 11 or in Year 10.

What could I use it for?
The knowledge and skills I will learn in this learning programme will allow me to solve problems and reason effectively.

Literacy:
• 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

In LP4.1, I will know:	10/03/25 - (WK 2)	Key Vocabulary	Homework
how to apply the knowledge learned to date in my mock examinations.		Revision	Targeted Exam Paper Practice

In LP4.2, I will know:	17/03/25 - (WK 1)	Key Vocabulary	Homework
how to calculate with bounds; how to apply knowledge to exam questions on bounds.		Bound	Targeted Exam Paper Practice

In LP4.3, I will know:	24/03/25 - (WK 2)	Key Vocabulary	Homework
how to apply knowledge of Pythagoras' Theorem to solve problems in 3D; how to apply knowledge of trigonometry to solve problems in 3D. Extended Task.		Hypotenuse	Targeted Exam Paper Practice

In LP4.4, I will know:	31/03/25 - (WK 1)	Key Vocabulary	Homework
how to solve algebraic proof questions; how to solve geometric proof questions.		Proof	Targeted Exam Paper Practice

PRT Task 1

In LP4.5, I will know:	21/04/25 - (WK 2)	Key Vocabulary	Homework
how to use the nth term for quadratic sequences; how to find the nth term for quadratic sequences.		Quadratic	Targeted Exam Paper Practice

In LP4.6, I will know:	28/04/25 - (WK 1)	Key Vocabulary	Homework
how to solve conditional probability problems; how to solve probability equations. Extended Task.		Conditional	Targeted Exam Paper Practice

In LP4.7, I will know:	05/05/25 - (WK 2)	Key Vocabulary	Homework
how to use vector notation and calculate with vectors; how to solve geometric problems with vectors.		Vector	Targeted Exam Paper Practice

PRT Task 2

Resources to support learning:
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:
Create a revision mind map/poster for Algebra, Number, Shape or Data.