Year 9   Sets 1 to 4 Mathematics
Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION.

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 statistical diagrams and percentages.

Where have I seen this learning before?
Year 8: bar charts, pie charts, averages
LP2: solving equations

What could I use it for?
The knowledge and skills I will learn in this learning programme will allow me to solve problems involving statistics. This will support in future careers in the finance sector such as accountancy.

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

		Key Vocabulary	Homework
In LP5.1, I will know:	**12/05/25 - (WK 1)**		
how to identify congruent figures; how to identify congruent triangles; how to construct triangles.		Congruent	Sparx Maths LP4:7 topics plus consolidation
In LP5.2, I will know:	**19/05/25 - (WK 2)**	**Key Vocabulary**	**Homework**
how to draw and interpret scatter graphs; how to describe linear correlation; how to draw and use line of best fit.		Correlation	Sparx Maths LP5:1 topics plus consolidation
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.			Sparx Maths Consolidation
In LP5.3, I will know:	**09/05/25 - (WK 2)**	**Key Vocabulary**	**Homework**
how to identify populations and samples; how to work with primary and secondary data. Extended Task.		Sample	Sparx Maths LP5:2 topics plus consolidation
In LP5.4, I will know:	**16/06/25 - (WK 1)**	**Key Vocabulary**	**Homework**
how to construct and interpret stem-and-leaf diagrams; how to compare populations using averages; how to compare populations using diagrams.		Median	Sparx Maths LP5:3 topics plus consolidation
In LP5.5, I will know:	**23/06/25 - (WK 2)**	**Key Vocabulary**	**Homework**
how to construct and interpret frequency tables and frequency polygons; how to find averages from frequency tables; how to find averages from tables with grouped data.		Mean	Sparx Maths LP5:4 topics plus consolidation
In LP5.6, I will know:	**30/06/25 - (WK 1)**	**Key Vocabulary**	**Homework**
how to calculate simple and compound interest; how to solve repeated percentage change problems. Extended Task.		Multiplier	Sparx Maths LP5:5 topics plus consolidation
In LP5.7, I will know:	**07/06/25 - (WK 2)**	**Key Vocabulary**	**Homework**
how to solve reverse percentages problems; how to solve problems involving growth and decay; how to solve problems involving percentages, ratios and fractions.		Interest	Sparx Maths LP5:6 topics plus consolidation

PRT Task 1 (beside LP5.4)

PRT Task 2 (beside LP5.7)

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:
Complete 4 XP Boost or Target Tasks on Sparx Maths