

Year 10 Mathematics Learning Programme 4

<p>The LORIC skill focus for his LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p>		<p>Literacy:</p> <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
<p>Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks.</p>		
<p>What will I be learning about in this Learning Programme? In LP4 I will be learning about data handling, indices, sequences and transformations.</p>		
<p>Where have I seen this learning before? KS3: basic transformations, averages from a data set, simple statistical diagrams such as bar charts.</p>		
<p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve geometrical problems involving similarity.</p>		

In LP4.1, I will know:	10/03/25 - (WK 2)	Key Vocabulary	Homework
how to calculate and use averages from a given data set; how to represent data using statistical diagrams; how to interpret statistical diagrams.		Average	LP3:7 Consolidation Sparx Maths

In LP4.2, I will know:	17/03/25 - (WK 1)	Key Vocabulary	Homework
how to identify populations and samples; how to use sampling to solve problems.		Stratified Sampling	LP4:1 Topics plus consolidation Sparx Maths

In LP4.3, I will know:	24/03/25 - (WK 2)	Key Vocabulary	Homework
how to solve problems with powers and roots; how to use the laws of indices with positive and negative powers.		Index	LP4:2 Topics plus consolidation Sparx Maths
Extended Task.			

In LP4.4, I will know:	31/03/25 - (WK 1)	Key Vocabulary	Homework
how to change between ordinary numbers and standard form; how to calculate with standard form.		Standard Form	LP4:3 Topics plus consolidation Sparx Maths

In LP4.5, I will know:	21/04/25 - (WK 2)	Key Vocabulary	Homework
how to interpret non-linear sequences; how to find the nth term of sequences.		Geometric	LP4:4 Topics plus consolidation Sparx Maths

In LP4.6, I will know:	28/04/25 - (WK 1)	Key Vocabulary	Homework
how to draw transformations of 2D shapes; how to describe transformations of 2D shapes.		Scale Factor	LP4:5 Topics plus consolidation Sparx Maths
Extended Task.			

In LP4.7, I will know:	05/05/25 - (WK 2)	Key Vocabulary	Homework
how to recognise and use similar shapes; how to solve problems involving similar shapes.		Similar	LP4:6 Topics plus consolidation Sparx Maths

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

