

Year 10 Mathematics

Learning Programme 5

<p>The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself.</p> <p>What will I be learning about in this Learning Programme? In LP5 I will be learning about similar shapes, proportion and bounds.</p> <p>Where have I seen this learning before? KS3: ratio, simple proportion and rounding</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve problems involving ratio, proportion and similar shapes. Later I will apply this to more complex geometrical problems involving area and volume of similar shapes.</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
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In LP5.1, I will know:	11/05/26 - (WK 1)	Key Vocabulary	Homework
how to draw transformations of 2D shapes; how to describe transformations of 2D shapes.		Scale Factor	Sparx Maths Homework

In LP5.2, I will know:	18/05/26 - (WK 2)	Key Vocabulary	Homework
how to recognise and use similar shapes; how to solve problems involving similar shapes.		Similar	Sparx Maths Homework

LP5 RLW, I will:	01/06/26 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			

In LP5.3, I will know:	08/05/26 - (WK 2)	Key Vocabulary	Homework
how to solve problems with direct proportion; how to solve problems with inverse proportion.		Proportion	Sparx Maths Homework
Extended Task.			

In LP5.4, I will know:	15/06/26 - (WK 1)	Key Vocabulary	Homework
how to apply the knowledge learned to date in my mock examinations.		Inverse	Sparx Maths Homework

In LP5.5, I will know:	22/06/26 - (WK 2)	Key Vocabulary	Homework
how to apply the knowledge learned to date in my mock examinations.		Error Interval	Sparx Maths Homework

In LP5.6, I will know:	29/06/26 - (WK 1)	Key Vocabulary	Homework
how to solve problems involving rounding and estimation; how to solve problems with limits of rounding.		Estimation	Sparx Maths Homework
Extended Task.			

In LP5.7, I will know:	06/06/26 - (WK 2)	Key Vocabulary	Homework
how to factorise expressions; how to solve equations using factorisation.		Factorise	Sparx Maths Homework

Resources to support learning:
Use your knowledge organisers and Sparx Maths to further support with Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. You can also access any topic in the Independent Practice section on Sparx Maths. Please speak to your Mathematics teachers if you have any questions about how to use Sparx or any queries about login details.

FFET Award Challenge for this Learning Programme:
Create a shopping list for a family of 4 for one week. Estimate the cost of your shopping list by rounding appropriately. Compare this to the actual cost using online shopping websites.

