

## Year 11 Foundation Mathematics Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION</p> <p>The Moral Virtues focus for this LP are: COMPASSION and HONESTY</p> <p>Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.</p> <p>Honesty - the quality of being truthful.</p> <p><b>What will I be learning about in this Learning Programme?</b></p> <p>In LP2 I will be learning about enlargements and trigonometry in right-angled triangles.</p> <p><b>Where have I seen this learning before?</b></p> <p>Year 10: Pythagoras' Theorem.</p> <p><b>What could I use it for?</b></p> <p>The knowledge and skills I will learn in this learning programme will allow me to solve geometrical problems. These skills are used in engineering.</p>	<p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>Full stops must be used at the end of a sentence</li> <li>Question marks must be used at the end of a question</li> <li>Apostrophes should only be used for possession or omission</li> <li>Days of the week and months must be spelled correctly</li> <li>Key words must be spelled correctly</li> </ul>
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In LP2.1, I will know:	21/10/24 - (WK 2)	Key Vocabulary	Homework
<p>how to enlarge a shape by a positive scale factor anywhere on a grid.</p> <p>how to enlarge a shape by a positive scale factor on a coordinate axis; ·</p> <p>how to enlarge a shape by a fractional scale factor on a coordinate axis.</p>		Scale Factor	LP1:7 Consolidation Sparx Maths

In LP2.2, I will know:	04/11/24 - (WK 1)	Key Vocabulary	Homework
<p>how to solve problems involving with Pythagoras' Theorem;</p> <p>how to work fluently with the hypotenuse, opposite and adjacent sides;</p> <p>how to calculate missing sides using trigonometric ratios.</p>		Hypotenuse	LP2:1 Topics plus consolidation Sparx Maths

LP2 RLW, I will:	11/11/24 - (WK 2)		
<p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>		Adjacent	Consolidation Sparx Maths

In LP2.3, I will know:	18/11/24 - (WK 1)	Key Vocabulary	Homework
<p>Extended Task.</p>			LP2:2 Topics plus consolidation Sparx Maths



In LP2.4, I will know:	25/11/24 - (WK 2)	Key Vocabulary	Homework
<p>how to apply the knowledge learnt to date to my mock examinations.</p>		Revision	LP2:3 Topics plus consolidation Sparx Maths

In LP2.5, I will know:	02/12/24 - (WK 1)	Key Vocabulary	Homework
<p>how to apply the knowledge learnt to date to my mock examinations.</p>		Revision	LP2:4 Topics plus consolidation Sparx Maths

In LP2.6, I will know:	09/12/24 - (WK 2)	Key Vocabulary	Homework
<p>how to form and solve linear equations requiring two or more steps;</p> <p>how to form and solve linear equations with unknowns on both sides.</p> <p>Extended Task.</p>		Variable	LP2:5 Topics plus consolidation Sparx Maths



In LP2.7, I will know:	16/12/24 - (WK 1)	Key Vocabulary	Homework
<p>how to form and solve linear inequalities requiring two or more steps;</p> <p>how to represent solutions of inequalities on a number line.</p>		Inequality	LP2:6 Topics plus consolidation Sparx Maths

Resources to support learning:
<p>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.</p>

FFET Award Challenge for this Learning Programme:
<p>Complete 4 XP Boost Tasks on Sparx Maths</p>