

Year 11 Foundation Mathematics Learning Programme 3

<p>The LORIC skill focus for his LP is: RESILIENCE The Moral Virtues focus for this LP are: RESPECT and JUSTICE</p> <p>Respect - treat others how you would wish to be treated yourself. Justice - our College rules are fair and reasonable.</p> <p>What will I be learning about in this Learning Programme? In LP3 I will be learning about real-life graphs, compound measures, angles, 3D shapes and vectors.</p> <p>Where have I seen this learning before? Year 10: all topics are revision and have been covered in year 10.</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 speed, density and pressures. I will also be able to apply algebra knowledge from LP2 to describe features of real-life graphs including velocity-time graphs.</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>In LP3.1, I will know: 06/01/25 - (WK 2)</p> <p>how to interpret and draw real life graphs; how to find the gradient of parts of real life graphs and interpret it in context.</p>	<p>Key Vocabulary</p> <p>Gradient</p>	<p>Homework</p> <p>LP2:7 Consolidation Sparx Maths</p>
<p>In LP3.2, I will know: 13/01/25 - (WK 1)</p> <p>how to solve problems involving distance, speed and time; how to solve problems involving density.</p>	<p>Key Vocabulary</p> <p>Density</p>	<p>Homework</p> <p>LP3:1 Topics plus consolidation Sparx Maths</p>
<p>In LP3.3, I will know: 20/01/25 - (WK 2)</p> <p>how to identify and calculate with co-interior, alternate and corresponding angles; how to use the sum of exterior angles of any polygon; how to use the sum of interior angles and calculate missing interior angles in regular polygons.</p>	<p>Key Vocabulary</p> <p>Polygon</p>	<p>Homework</p> <p>LP3:2 Topics plus consolidation Sparx Maths</p>
<p>In LP3.4, I will know: 27/01/25 - (WK 1)</p> <p>how to represent bearings; how to measure and read bearings; how to make scale drawings using bearings.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Bearings</p>	<p>Homework</p> <p>LP3:3 Topics plus consolidation Sparx Maths</p>
<p>In LP3.5, I will know: 03/02/25 - (WK 2)</p> <p>how to find the surface area of prisms; how to find the surface area of cones; how to find the surface area of spheres.</p>	<p>Key Vocabulary</p> <p>Prism</p>	<p>Homework</p> <p>LP3:4 Topics plus consolidation Sparx Maths</p>
<p>In LP3.6, I will know: 10/02/25 - (WK 1)</p> <p>how to find the volume of prisms; how to find the volume of cones; how to find the volume of spheres.</p>	<p>Key Vocabulary</p> <p>Volume</p>	<p>Homework</p> <p>LP3:5 Topics plus consolidation Sparx Maths</p>
<p>LP2 RLW, I will: 24/02/25 - (WK 2)</p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>	<p>Key Vocabulary</p>	<p>Homework</p> <p>Sparx Revision Task for Assessment 2</p>
<p>In LP3.7, I will know: 03/03/25 - (WK 1)</p> <p>how to add and subtract with column vectors; how to find a scalar multiple of vectors.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Vector</p>	<p>Homework</p> <p>LP3:5 Topics plus consolidation Sparx Maths</p>
<p>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.</p>		
<p>FFET Award Challenge for this Learning Programme: Complete a Maths exam paper from Maths Genie independently.</p>		

PRT Task 1

PRT Task 2