

Year 11 Mathematics - Foundation

Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme? In LP4 I will be learning about ratio, units of measure, area, equations, formulae, expressions, probability and vectors.</p> <p>Where have I seen this learning before? Year 10: Fractions, decimals, percentages, ratio, probability, equations, coordinates and probability.</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve ratio, fraction and percentage problems and find probabilities using tables and charts, factorise expressions, solve equations, manipulate formulae and solve vector problems.</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 LP4.1, I will know:</p> <p>how to solve problems with ratio; how to share an amount into a given ratio.</p>	<p>04/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Ratio</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.2, I will know:</p> <p>how to calculate the area and perimeter of rectangles, triangles and parallelogram; how to calculate the area and perimeter of compound shapes; how to calculate the area and circumference of circles.</p>	<p>11/03/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Circumference</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.3, I will know:</p> <p>how to solve area problems; how to solve surface area problems; how to solve volume problems.</p> <p>Extended Task.</p>	<p>18/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Cross-section</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.4, I will know:</p> <p>how to rearrange formula; how to solve equations including those with unknowns on both sides; how to solve linear simultaneous equations.</p>	<p>25/03/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Formulae</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.5, I will know:</p> <p>how to factorise into a single bracket; how to factorise into double brackets.</p>	<p>15/04/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Factorise</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.6, I will know:</p> <p>how to solve angles problems and give reasons; how to solve angle problems with algebra.</p> <p>Extended Task.</p>	<p>22/04/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Perpendicular</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.7, I will know:</p> <p>how to find probabilities using frequency trees; how to find probabilities using two-way tables; how to use tree diagrams for independent events.</p>	<p>29/04/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Independent</p>	<p>Homework</p> <p>Exam Practice</p>
<p>In LP4.8, I will know:</p> <p>how to draw and understand addition of vectors; how to draw and understand addition and subtraction of vectors.</p>	<p>06/05/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Vector</p>	<p>Homework</p> <p>Exam Practice</p>
<p>Resources to support learning: Pupils have access to knowledge organisers, Mathswatch, to further support them in their Mathematics revision beyond the classroom. All weekly homework tasks in this learning programme have got appropriate Mathswatch clips to support completion of homework if you need some help. Mathswatch has been introduced to Pupils by their class teacher. The login details are as follows: https://vie.mathswatch.co.uk/vle/ Username: "school username"@epcollege (e.g. 19EA1234@epcollege) Password: ellesmere .</p>		
<p>FFET Award Challenge for this Learning Programme: Create a revision mind map/poster for Algebra, Number, Shape or Data.</p>		

PRT Task 1

PRT Task 2