

Year 11 Mathematics - Set 2

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 how to apply the knowledge I have to answer exam questions and how best to revise for the maths exams.</p> <p>Where have I seen this learning before? The core knowledge covered across KS3 and KS4 will be brought together to practise applying this knowledge to exam based questions.</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve mathematical 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
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In LP4.1, I will know:	04/03/24 - (WK 1)	Key Vocabulary	Homework
how to plot straight line and quadratic graphs; how to draw and interpret histograms.		Quadratic	Exam Practice

In LP4.2, I will know:	11/03/24 - (WK 2)	Key Vocabulary	Homework
how to expand brackets and simplify; how to factorise expressions fully.		Factorise	Exam Practice



In LP4.3, I will know:	18/03/24 - (WK 1)	Key Vocabulary	Homework
how to complete the required constructions using a compass and protractor; how to calculate mean from a table.		Constructions	Exam Practice
Extended Task.			

In LP4.4, I will know:	25/03/24 - (WK 2)	Key Vocabulary	Homework
how to solve equations and inequalities; how to give upper and lower bounds for answers that have been rounded; how to solve simultaneous equations.		Inequalities	Exam Practice

In LP4.5, I will know:	15/04/24 - (WK 1)	Key Vocabulary	Homework
how to rearrange formula; how to solve problems involving volume and surface area; how to solve transformation problems.		Transformations	Exam Practice



In LP4.6, I will know:	22/04/24 - (WK 2)	Key Vocabulary	Homework
how to solve ratio problems; how to solve direct and inverse proportion problems.		Proportion	Exam Practice
Extended Task.			

In LP4.7, I will know:	29/04/24 - (WK 1)	Key Vocabulary	Homework
how to solve percentage increase and decrease problems; how to solve compound interest problems.		Evaluate	Exam Practice

In LP4.8, I will know:	06/05/24 - (WK 2)	Key Vocabulary	Homework
how to develop mathematical knowledge through solving problems and evaluating the outcomes, including multi-step problems; how to apply all knowledge to solve exam questions.		Evaluate	Exam Practice

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 .

FFET Award Challenge for this Learning Programme:
Create a revision mind map/poster for Algebra, Number, Shape or Data.