Year 11 Mathematics - Higher - Set 2
Learning Programme 4

The Ellesmere Port C of E College

Part of the Frank Field Education Trust

The LORIC skill focus for his LP is: INITIATIVE.
The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.

Integrity - Having strong moral principles.
Gratitude - Feeling and expressing thanks.

What will I be learning about in this Learning Programme?
In LP4 I will be learning about brackets, constructions, averages, bounds, simultaneous equations, transformations and percentages.

Where have I seen this learning before?
All of this Learning Programme is revision of topics covered earlier in Year 11 or in Year 10.

What could I use it for?
The knowledge and skills I will learn in this learning programme will allow me to solve problems and reason effectively.

Literacy:
• 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

In LP4.1, I will know: 10/03/25 - (WK 2)	Key Vocabulary	Homework
how to Appy the knowledge learned to date in my mock examinations.	Revision	Targeted Exam Paper Practice

In LP4.2, I will know: 17/03/25 - (WK 1)	Key Vocabulary	Homework
how to expand brackets and simplify; how to factorise expressions fully.	Factorise	Targeted Exam Paper Practice

In LP4.3, I will know: 24/03/25 - (WK 2)	Key Vocabulary	Homework
how to complete the required constructions using a compass and protractor; how to calculate mean from a table. Extended Task.	Quadratic	Targeted Exam Paper Practice

PRT Task 1

In LP4.4, I will know: 31/03/25 - (WK 1)	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	Targeted Exam Paper Practice

In LP4.5, I will know: 21/04/25 - (WK 2)	Key Vocabulary	Homework
how to rearrange formula; how to solve problems involving volume and surface area; how to solve transformation problems.	Transformations	Targeted Exam Paper Practice

In LP4.6, I will know: 28/04/25 - (WK 1)	Key Vocabulary	Homework
how to solve ratio problems; how to solve direct and inverse proportion problems. Extended Task.	Proportion	Targeted Exam Paper Practice

PRT Task 2

In LP4.7, I will know: 05/05/25 - (WK 2)	Key Vocabulary	Homework
how to solve percentage increase and decrease problems; how to solve compound interest problems.	Evaluate	Targeted Exam Paper Practice

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.

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