The Ellesmere Port C of E College

Part of the Frank Field Education Trust

Year 11 Mathematics - Foundation
Learning Programme 4

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

Integrity - Having strong moral principles. I will show integrity by taking responsibility for my actions.
Gratitude - Feeling and expressing thanks. I will show gratitude by saying please and thank you.

What will I be learning about in this Learning Programme?
In LP4 I will be learning about data handling, volume, vectors and algebraic manipulation.

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 Non-Negotiables:
- 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
- Vocabulary to be taught using the Frayer model

In LP4.1, I will know: 09/03/26 - (WK 2)	Frayer Model Words	Homework
how to apply the knowledge learned to date in my mock examinations.	Revision	Targeted Exam Paper Practice
In LP4.2, I will know: 16/03/26 - (WK 1)	**Frayer Model Words**	**Homework**
how to find the volume of prisms; how to find the volume of cones; how to find the volume of spheres.	Prism	Targeted Exam Paper Practice
In LP4.3, I will know: 23/03/26 - (WK 2)	**Frayer Model Words**	**Homework**
how to add and subtract with column vectors; how to find a scalar multiple of vectors. Extended Task.	Vector	Targeted Exam Paper Practice
In LP4.4, I will know: 13/04/26 - (WK 1)	**Frayer Model Words**	**Homework**
how to solve one and two step equations; how to solve equations with unknowns on both sides.	Variable	Targeted Exam Paper Practice
In LP4.5, I will know: 20/04/26 - (WK 2)	**Frayer Model Words**	**Homework**
how to expand brackets including double brackets; how to factorise into double brackets.	Factorise	Targeted Exam Paper Practice
In LP4.6, I will know: 27/04/26 - (WK 1)	**Frayer Model Words**	**Homework**
how to calculate averages from a frequency table and from grouped data; how to draw and interpret stem and leaf diagrams. Extended Task.	Mid-Point	Targeted Exam Paper Practice
In LP4.7, I will know: 04/05/26 - (WK 2)	**Frayer Model Words**	**Homework**
how to draw and interpret line graphs and frequency polygons; how to construct a stratified sample.	Sample	Targeted Exam Paper Practice

PRT Task 1

PRT Task 2

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 3 revision mind maps/posters for Algebra, Number, Shape or Data.