The Ellesmere Port C of E College

Part of the Frank Field Education Trust

Year 7 Mathematics
Learning Programme 2

The LORIC skill focus for his LP is: ORGANISATION
The Moral Virtues focus for this LP are: COMPASSION and HONESTY

Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.
Honesty - the quality of being truthful.

What will I be learning about in this Learning Programme?
In LP2 I will be learning about calculating with negatives, integers, decimals and fractions and solving problems with measures.

Where have I seen this learning before?
Year 6: solve problems with integers, draw and interpret representations of fractions and multiplication facts.

What could I use it for?
The knowledge and skills I will learn in this learning programme will allow me to solve problems involving money, time and measures. These skills are used in finance and economics.

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 LP2.1, I will know: 19/10/26 - (WK 2)	**Frayer Model Word**	**Homework**
how to calculate with negatives; how to order a list of integers and compare two numbers using =, ≠, <, >, ≤ and ≥.	Negative	LP1:7 Consolidation Sparx Maths
In LP2.2, I will know: 02/11/26 - (WK 1)	**Frayer Model Word**	**Homework**
how to round integers to given powers of ten; how to round to a given number of decimal places; how to estimate by rounding.	Estimate	LP2:1 Topics plus consolidation Sparx Maths
LP2 RLW, I will: 09/11/26 - (WK 2)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		Consolidation Sparx Maths
In LP2.3, I will know: 16/11/26 - (WK 1)	**Frayer Model Word**	**Homework**
how to use mental strategies for addition and subtraction; how to use formal methods for addition and subtraction of integers and decimals; how to use factors and multiples. Extended Task.	Integer	LP2:2 Topics plus consolidation Sparx Maths
In LP2.4, I will know: 23/11/26 - (WK 2)	**Frayer Model Word**	**Homework**
how to multiply and divide integers and decimals by powers of 10; how to use formal methods to multiply integers and decimals; how to use formal methods to divide integers and decimals; including with remainders.	Divisor	LP2:3 Topics plus consolidation Sparx Maths
In LP2.5, I will know: 30/11/26 - (WK 1)	**Frayer Model Word**	**Homework**
how to convert units of time; how to convert units of length, mass and capacity; how to solve real life maths problems involving finance and time.	Metric	LP2:4 Topics plus consolidation Sparx Maths
In LP2.6, I will know: 07/12/26 - (WK 2)	**Frayer Model Word**	**Homework**
how to represent any fraction as a diagram; how to represent fractions on number lines; how to identify and use simple equivalent fractions. Extended Task.	Numerator	LP2:5 Topics plus consolidation Sparx Maths
In LP2.7, I will know: 14/12/26 - (WK 1)	**Frayer Model Word**	**Homework**
how to construct fractions; how to convert between mixed numbers and fractions; how to add and subtract any fractions with the same denominator.	Denominator	LP2:6 Topics plus consolidation Sparx Maths

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. They can simply search the following topics: Directed Number, Rounding, Estimation, Addition, Subtracton, Mutiplication, Division, Fractions
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:

Plan a 3 day rail trip across Europe, starting from London St Pancras. Use real 24 hour train timetables, calculate travel duration between cities, connection times between platforms and arrival times.