

Year 8 Mathematics

Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION.			Literacy: <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
The Moral Virtues focus for this LP are: COURAGE and HUMILITY.			
Courage - Acting with bravery and overcoming fears.			
Humility - Having a modest view of oneself.			
What will I be learning about in this Learning Programme? In LP5 I will be learning about angles, statistical diagrams, averages and algebra.			
Where have I seen this learning before? KS2: bar charts, line graphs LP2: solving equations			
What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve problems involving statistics. This will support in future careers in the finance sector such as accountancy.			
In LP5.1, I will know:	12/05/25 - (WK 1)	Key Vocabulary	Homework
how to use the sum of exterior angles of any polygon; how to use the sum of interior angles and calculate missing interior angles in regular polygons.		Exterior	Sparx Maths LP4:7 topics plus consolidation
In LP5.2, I will know:	19/05/25 - (WK 2)	Key Vocabulary	Homework
how to draw and interpret multiple bar charts and line graphs; how to draw and interpret pie charts; how to draw and interpret stem and leaf charts.		Quantitative	Sparx Maths LP5:1 topics plus consolidation
LP5 RLW, I will:	02/06/25 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			Sparx Maths Consolidation
In LP5.3, I will know:	09/05/25 - (WK 2)	Key Vocabulary	Homework
how to find and use the mean, median, mode and range; how to find averages from statistical charts.		Average	Sparx Maths LP5:2 topics plus consolidation
Extended Task.			
In LP5.4, I will know:	16/06/25 - (WK 1)	Key Vocabulary	Homework
how to solve simple inequalities; how to represent inequalities on number lines; how to form and solve inequalities.		Inequality	Sparx Maths LP5:3 topics plus consolidation
In LP5.5, I will know:	23/06/25 - (WK 2)	Key Vocabulary	Homework
how to expand multiple single brackets and simplify; how to factorise into a single bracket; how to expand a pair of brackets.		Expand	Sparx Maths LP5:4 topics plus consolidation
In LP5.6, I will know:	30/06/25 - (WK 1)	Key Vocabulary	Homework
how to use recurring decimal notation; how to convert fractions to recurring decimals; how to solve percentage problems with or without a calculator.		Recurring	Sparx Maths LP5:5 topics plus consolidation
Extended Task.			
In LP5.7, I will know:	07/06/25 - (WK 2)	Key Vocabulary	Homework
how to express a change as a percentage; how to solve 'reverse' percentage problems; how to calculate simple interest.		Multiplier	Sparx Maths LP5:6 topics plus consolidation
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: Complete 4 XP Boost or Target Tasks on Sparx Maths			

PRT Task 1

PRT Task 2