

Year 8 Mathematics

Learning Programme 5

<p>The LORIC skill focus for this LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself.</p> <p>What will I be learning about in this Learning Programme? In LP5 I will be learning about angles, statistical diagrams, averages and algebra.</p> <p>Where have I seen this learning before? KS2: bar charts, line graphs LP2: solving equations</p> <p>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.</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 LP5.1, I will know:	11/05/26 - (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 Homework

In LP5.2, I will know:	18/05/26 - (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 Homework

LP5 RLW, I will:	01/06/26 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			

In LP5.3, I will know:	08/05/26 - (WK 2)	Key Vocabulary	
how to find and use the mean, median, mode and range; how to find averages from statistical charts.		Average	Sparx Maths Homework
Extended Task.			

In LP5.4, I will know:	15/06/26 - (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 Homework

In LP5.5, I will know:	22/06/26 - (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 Homework

In LP5.6, I will know:	29/06/26 - (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 Homework
Extended Task.			

In LP5.7, I will know:	06/06/26 - (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 Homework

Resources to support learning:
Use your knowledge organisers and Sparx Maths to further support with Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. You can also access any topic in the Independent Practice section on Sparx Maths. Please speak to your Mathematics teachers if you have any questions about how to use Sparx or any queries about login details.

FFET Award Challenge for this Learning Programme:
Design a questionnaire about students' favourite things. Ask your friends the questions and represent the data using bar charts, pie charts or line graphs.

