

Year 7 Mathematics

Learning Programme 4

The LORIC skill focus for this LP is: INITIATIVE.		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: 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 angles, data handling, ratio and proportion.		
Where have I seen this learning before? KS2: types of angles, tally charts, bar charts.		
What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve statistical problems and I will be able to compare sets of data.		

In LP4.1, I will know:	09/03/26 - (WK 2)	Frayer Model Words	Homework
how to use angles as a measure of turn and classify them; how to measure angles up to 360 degrees; how to draw angles up to 360 degrees.		Obtuse	LP3:7 Consolidation Sparx Maths

In LP4.2, I will know:	16/03/26 - (WK 1)	Frayer Model Words	Homework
how to use the sum of angles at a point and on a straight line; how to apply the sum of angles in a triangle and in quadrilaterals; how to identify and use vertically opposite angles.		Vertically Opposite	LP4:1 Topics plus consolidation Sparx Maths

In LP4.3, I will know:	23/03/26 - (WK 2)	Frayer Model Words	Homework
how to find the mode and median from a set of data; how to calculate the mean from a set of data; how to calculate the range from a set of data.		Average	LP4:2 Topics plus consolidation Sparx Maths
Extended Task.			

In LP4.4, I will know:	13/04/26 - (WK 1)	Frayer Model Words	Homework
how to interpret tally charts, frequency tables and two-way tables; how to draw and interpret pictograms; how to draw and interpret bar charts.		Pictogram	LP4:3 Topics plus consolidation Sparx Maths

In LP4.5, I will know:	20/04/26 - (WK 2)	Frayer Model Words	Homework
how to find averages from a frequency table; how to solve problems by choosing appropriate averages.		Frequency	LP4:4 Topics plus consolidation Sparx Maths

In LP4.6, I will know:	27/04/26 - (WK 1)	Frayer Model Words	Homework
how to use ratio notation; how to simplify ratios; how to solve problems involving ratios in 1:n form and m:n.		Ratio	LP4:5 Topics plus consolidation Sparx Maths
Extended Task.			

In LP4.7, I will know:	04/05/26 - (WK 2)	Frayer Model Words	Homework
how to divide a value into a given ratio; how to compare ratios and related fractions; how to solve simple proportion worded problems.		Proportion	LP4:6 Topics plus consolidation Sparx Maths

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 Pictogram or Bar Chart to display the different eye colours in your class.

