

Year 10 Mathematics



Learning Programme 3			
The LORIC skill focus for his LP is: RESILIENCE			Literacy:
The Moral Virtues focus for this LP are: RESPECT and JUSTICE			Capital letters must be used at the sta
Respect - treat others how you would wish to be treated yourself.			of sentences and for the first letter of
Justice - our College rules are fair and reasonable.			proper nouns
What will I be learning about in this Learning Programme?			 Full stops must be used at the end of
In LP3 I will be learning about non-linear graphs, velocity-time graphs, compund measures, ratio, proportion and probability.			sentenceQuestion marks must be used at the
			end of a question
			 Apostrophes should only be used for
			possession or omission
Where have I seen this learning before? Year 9: sharing in a ratio, worded proportion, y=mx+c, speed, Venn diagrams.			 Days of the week and months must be
			spelled correctly
			Key words must be spelled correctly
What could I use it for?			
The knowledge and skills I will learn in this learning program		y and pressures. I will also be able to	
apply algebra knowledge to describe features of real-life gra	phs including velocity-time graphs.		
In LP3.1, I will know:	06/01/25 - (WK 2)	Key Vocabulary	Homework
how to draw and interpret graphs of cubic functions; how to draw and interpret graphs of reciprocal functions.			LP2:7 Consolidation Sparx Maths
now to draw and interpret graphs of reciprocal functions.		Cubic	Sparx matris
		Cubic	
In LP3.2, I will know:	13/01/25 - (WK 1)	Key Vocabulary	Homework
how to draw and interpret real life graphs;			LP3:1 Topics plus consolidation
how to find the equation of a linear real life-graph or section	n of a graph.		Sparx Maths
		Gradient	
In LP3.3, I will know:	20/01/25 - (WK 2)	Key Vocabulary	Homework
how to draw and interpret velocity-time graphs;			LP3:2 Topics plus consolidation
how to calculate the gradient (i.e. the acceleration) from a v	elocity-time graph.	Acceleration	Sparx Maths
In LP3.4, I will know:	27/01/25 - (WK 1)	Key Vocabulary	Homework
how to calculate with density, mass and volume;			LP3:3 Topics plus consolidation
how to calculate with pressure, mass and volume.			Sparx Maths
		Density	
Extended Task.			
In LP3.5, I will know:	03/02/25 - (WK 2)	Key Vocabulary	Homework
how to solve problems with combined ratios;			LP3:4 Topics plus consolidation
how to solve ratio and algebra problems;	-)	Detie	Sparx Maths
how to solve ratio problems (including when a ratio changes	>).	Ratio	
In LP3.6, I will know:	10/02/25 - (WK 1)	Key Vocabulary	Homework
now to solve problems with currency conversion;			LP3:5 Topics plus consolidation
how to solve 'best buy' problems.			Sparx Maths
		Direct Proportion	
LP2 RLW, I will:	24/02/25 - (WK 2)	Key Vocabulary	Homework
,		itey vocabulary	Sparx Revision Task for Assessment 2
review my learning, recalling and applying key knowledge, a	nd focus on closing any gaps in my knowledge.		
In LP3.7, I will know:	03/03/25 - (WK 1)	Key Vocabulary	Homework
how to find probabilities from tables, Venn diagrams and fre	equency trees;		LP3:6 Topics plus consolidation
how to use set notation; how to interpret Venn diagrams using set notation.			Sparx Maths
now to interpret venil diagrams using set notation.		Intersection	
Extended Task.			
esources to support learning:			

ources to support

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:

Earn 2000 XP points in Sparx Maths from XP Boost tasks, XP Target tasks or Independent Learning tasks.