

Year 8 Mathematics

Learning Programme 3

<p>The LORIC skill focus for his LP is: RESILIENCE The Moral Virtues focus for this LP are: RESPECT and JUSTICE</p> <p>Respect - treat others how you would wish to be treated yourself. Justice - our College rules are fair and reasonable.</p> <p>What will I be learning about in this Learning Programme? In LP3 I will be learning about coordinates, circles, 3D-shapes, probability and prime factors</p> <p>Where have I seen this learning before? Year 7: co-ordinates, 2D shapes, area and perimeter of polygons and simple probability.</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve geometrical problems. I will later be able to apply this knowledge to problems involving volume and surface area or more complex solids.</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 LP3.1, I will know:	06/01/25 - (WK 2)	Key Vocabulary	Homework
how to work with coordinates in all four quadrants; how to find the midpoint of a line segment; how to solve problems with coordinates and midpoints.		Midpoint	LP2:7 Consolidation Sparx Maths

In LP3.2, I will know:	13/01/25 - (WK 1)	Key Vocabulary	Homework
how to calculate the area of a trapezium; how to calculate the perimeter and area of compound shapes; how to calculate the circumference of a circle.		Circumference	LP3:1 Topics plus consolidation Sparx Maths

In LP3.3, I will know:	20/01/25 - (WK 2)	Key Vocabulary	Homework
how to calculate the area of a circle; how to calculate the area of a circle and parts of a circle without a calculator; how to calculate the area of a circle and parts of a circle with a calculator.		Radius	LP3:2 Topics plus consolidation Sparx Maths

In LP3.4, I will know:	27/01/25 - (WK 1)	Key Vocabulary	Homework
how to identify faces, edges and vertices of 3D shapes; how to draw accurate nets of cuboids and other 3-D shapes; how to calculate the surface area of cuboids and triangular prisms.		Vertices	LP3:3 Topics plus consolidation Sparx Maths
Extended Task.			

In LP3.5, I will know:	03/02/25 - (WK 2)	Key Vocabulary	Homework
how to calculate volume of cubes and cuboids; how to calculate the volume of prisms; how to convert between units of volume.		Prism	LP3:4 Topics plus consolidation Sparx Maths

In LP3.6, I will know:	10/02/25 - (WK 1)	Key Vocabulary	Homework
how to find probabilities from sample space; how to find probabilities from two-way tables; how to find probabilities from Venn diagrams.		Independent	LP3:5 Topics plus consolidation Sparx Maths

LP2 RLW, I will:	24/02/25 - (WK 2)	Key Vocabulary	Homework
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			Sparx Revision Task for Assessment 2

In LP3.7, I will know:	03/03/25 - (WK 1)	Key Vocabulary	Homework
how to write any number as a product of prime factors; how to find and use multiples and find common multiples of a set of numbers including the LCM; how to identify factors of numbers and find common factors of a set of numbers including the HCF.		Prime	LP3:6 Topics plus consolidation Sparx Maths
Extended Task.			

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

