

Year 9 Mathematics Set 5

Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme? In LP4 I will be learning about angles made by parallel lines and in polygons and transformations of 2D shapes.</p> <p>Where have I seen this learning before? Year 8: angles in parallel lines, interior and exterior angles of polygons, recognise a line of symmetry, reflect a shape in a given line, working with square numbers.</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to use chains of reasoning to find unknown angles and solve geometrical problems involving polygons and complete and describe a series of transformations.</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 LP4.1, I will know:	04/03/24 - (WK 1)	Key Vocabulary	Homework
how to calculate earnings; how to calculate taxes; how to solve problems with bills.		Budget	LP3 consolidation Sparx Maths

In LP4.2, I will know:	11/03/24 - (WK 2)	Key Vocabulary	Homework
how to create a budget; how to solve problems involving loans; how to plan the budget for a holiday.		Budget	LP4:1 Topics plus consolidation Sparx Maths



In LP4.3, I will know:	18/03/24 - (WK 1)	Key Vocabulary	Homework
how to solve one step angle problems; how to find unknown angles in triangles; how to find unknown angles in quadrilaterals.		Tax	LP4:2 Topics plus consolidation Sparx Maths
Extended Task.			

In LP4.4, I will know:	25/03/24 - (WK 2)	Key Vocabulary	Homework
how to solve multi step angle problems; how to solve problems with angles and shapes.		Quadrilateral	LP4:3 Topics plus consolidation Sparx Maths

In LP4.5, I will know:	15/04/24 - (WK 1)	Key Vocabulary	Homework
how to identify angles made by parallel lines; how to solve problems with angles made by parallel lines and give reasons.		Interior Angles	LP4:4 Topics plus consolidation Sparx Maths



In LP4.6, I will know:	22/04/24 - (WK 2)	Key Vocabulary	Homework
how to identify the order of rotational symmetry of a shape; how to recognise symmetry of shapes.		Corresponding	LP4:5 Topics plus consolidation Sparx Maths
Extended Task.			

In LP4.7, I will know:	29/04/24 - (WK 1)	Key Vocabulary	Homework
how to rotate a shape about a point on the shape; how to rotate a shape about a point that is not on the shape.		Symmetrical	LP4:6 Topics plus consolidation Sparx Maths

In LP4.8, I will know:	06/05/24 - (WK 2)	Key Vocabulary	Homework
how to translate points and line segments; how to translate shapes and line segments; how to describe a translation.		Centre of Rotation	LP4:7 Topics plus consolidation Sparx Maths

Resources to support learning:
Pupils have access to knowledge organisers, Mathswatch 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 Tasks on Sparx Maths