

Year 8 Mathematics

PRT Task 1

PRT Task 2



Learning Programme 4

The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE. Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks. 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, area and perimeter of rectilinear shapes and circles and reflection.		Literacy: • Capital letters must be used at the st of sentences and for the first letter of proper nouns • Full stops must be used at the end of 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 b spelled correctly • Key words must be spelled correctly			
			What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to use geometrical reasoning to calculate missir Combine knowledge of area to determine the area of compound shapes.	ng angles in polygons and	
			n LP4.1, I will know: 04/03/24 - (WK 1)	Key Vocabulary	Homework
			how to calculate using order of operations; how to solve problems involving money, time and the calendar; how to convert metric units of length, weight and capacity.	Capacity	LP3 consolidation Sparx Maths
n LP4.2, I will know: 11/03/24 - (WK 2)	Key Vocabulary	Homework			
how to find angles between parallel lines and the transversal; how to identify and calculate with co-interior, alternate and corresponding angles.	Corresponding	LP4:1 Topics plus consolidation Sparx Maths			
n LP4.3, I will know: 18/03/24 - (WK 1)	Key Vocabulary	Homework			
how to solve complex problems with parallel line angles; how to construct triangles and special quadrilaterals; how to identify and calculate with sides and angles in special quadrilaterals.	Co-interior	LP4:2 Topics plus consolidation Sparx Maths			
Extended Task.					
n LP4.4, I will know: 25/03/24 - (WK 2) how to use the properties of diagonals of quadrilaterals;	Key Vocabulary	Homework LP4:3 Topics plus consolidation			
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			
n LP4.5, I will know: 15/04/24 - (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	LP4:4 Topics plus consolidation Sparx Maths			
n LP4.6, I will know: 22/04/24 - (WK 2) 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.	Key Vocabulary Sector	Homework LP4:5 Topics plus consolidation Sparx Maths			
Extended Task.					
n LP4.7, I will know: 29/04/24 - (WK 1) how to recognise line symmetry; how to reflect a shape in a horizontal or vertical line where the shapes touch the line; how to reflect a shape in a horizontal or vertical line where the shapes are not touching the line.	Key Vocabulary Symmetrical	Homework LP4:6 Topics plus consolidation Sparx Maths			
n LP4.8, I will know: 06/05/24 - (WK 2)	Key Vocabulary	Homework			
how to reflect a shape in a diagonal line where the shapes touch the line; how to reflect a shape in a diagonal line where shapes are not touching the line.	Reflection	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 revis Maths and all questions have a video to support. Pupils can access any topic in the Independent Practice section on Sparx Ma heir login details should be written in their planner.					
FET Award Challenge for this Learning Programme:					
Complete 4 XP Boost Tasks on Sparx Maths					