Year 9   Sets 1 to 4 Mathematics
Learning Programme 2

	Literacy:
The LORIC skill focus for his LP is: ORGANISATION	• Capital letters must be used at the start of sentences and for the first letter of proper nouns
The Moral Virtues focus for this LP are: COMPASSION and HONESTY	• Full stops must be used at the end of a sentence
Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.	• Question marks must be used at the end of a question
Honesty - the quality of being truthful.	• Apostrophes should only be used for possession or omission
What will I be learning about in this Learning Programme?	• Days of the week and months must be spelled correctly
In LP2 I will be learning about 3D shapes, constructions, loci and rounding.	• Key words must be spelled correctly
Where have I seen this learning before?	
Year 8: properties of shapes, nets, area, rounding and estimating.	
What could I use it for?	
The knowledge and skills I will learn in this learning programme will allow me to make and interpret accurate drawings of 2D and 3D shapes. These skills are used in engineering and architecture.	

In LP2.1, I will know:	21/10/24 - (WK 2)	Key Vocabulary	Homework
how to rearrange one step formulae; how to rearrange two step formulae.		Formulae	LP1:7 Consolidation Sparx Maths

In LP2.2, I will know:	04/11/24 - (WK 1)	Key Vocabulary	Homework
how to find the circumference of circles; how to find the area of circles; how to calculate the volume and surface area of a cylinder.		Circumerference	LP2:1 Topics plus consolidation Sparx Maths

LP2 RLW, I will:	11/11/24 - (WK 2)		Homework
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			Consolidation Sparx Maths

In LP2.3, I will know:	18/11/24 - (WK 1)	Key Vocabulary	Homework
how to construct triangles from given information; how to construct a perpendicular bisector; how to construct an angle bisector. Extended Task.		Bisector	LP2:2 Topics plus consolidation Sparx Maths

PRT Task 1

In LP2.4, I will know:	25/11/24 - (WK 2)	Key Vocabulary	Homework
how to construct a perpendicular to a point; how to construct a perpendicular from a point.		Perpendicular	LP2:3 Topics plus consolidation Sparx Maths

In LP2.5, I will know:	02/12/24 - (WK 1)	Key Vocabulary	Homework
how to construct a locus of distance from a straight line/shape; how to construct a locus of points equidistant from two points; how to construct a locus of distance from two lines.		Loci	LP2:4 Topics plus consolidation Sparx Maths

In LP2.6, I will know:	09/12/24 - (WK 2)	Key Vocabulary	Homework
know the names of 2-D and 3-D shapes and recognise prisms; how to draw accurate nets of cuboids and other 3-D shapes; how to identify and draw plans and elevations. Extended Task.		Elevation	LP2:5 Topics plus consolidation Sparx Maths

PRT Task 2

In LP2.7, I will know:	16/12/24 - (WK 1)	Key Vocabulary	Homework
how to estimate the answer to calculations by rounding to 1 significant figure; how to find error intervals for rounding and truncating decimals.		Truncate	LP2:6 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:

Complete 4 XP Boost Tasks on Sparx Maths