

Year 11 Maths Foundation Learning Programme 2

The LORIC skill focus for this LP is: ORGANISATION.

The Moral Values foci for this LP are: COMPASSION and HONESTY.

Compassion - sympathy and concern for the suffering or misfortunes of others

Honesty - being truthful and refraining from cheating or lying

What will I be learning about in this Learning Programme?

In LP2 pupils will focus on right- angle triangle geometry, surface area and volume of 3D shapes, statistical diagrams and probability.

Where have I seen this learning before?

Calculating with roots and powers, solving equations with two or more steps, changing the subjects of formulae with two or more steps, angles in triangles, measuring and drawing bearings, finding the surface area and volume of prisms, finding fractions of amounts, Interpreting frequency tables with grouped data, writing probabilities as fractions, decimals and percentages, Venn diagrams, frequency trees, calculations with fractions.

What could I use it for?

In combination with other topics to solve multi-step problems.

Literacy Non-Negotiables:

- 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
- Vocabulary to be taught using the Frayer model

In LP2.1, I will know:	19/10/26 - (WK 2)	Frayer Model Words	Homework
how to use and apply Pythagoras' theorem in 2D. how to find unknown sides in right - angle triangles. how to find unknown angles in right - angle triangles.▯		hypotenuse	Complete your weekly homework on https://sparxmaths.com/
In LP2.2, I will know:	02/11/26 - (WK 1)	Frayer Model Words	Homework
how to use exact trigonometric ratios. how to find angles if elevation and depression. how to calculate with bearings and use trigonometry with bearings.▯		trigonometry	Complete your weekly homework on https://sparxmaths.com/
LP2 RLW, I will:	09/11/26 - (WK 2)	Frayer Model Words	Homework
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		revise	Complete your weekly homework on https://sparxmaths.com/
In LP2.3, I will know:	16/11/26 - (WK 1)	Frayer Model Words	Homework
how to find the surface area of basic 3D shapes. how to find the surface area of pyramids, spheres and cones. how to find the surface area of composite shapes.▯		surface area	Complete your weekly homework on https://sparxmaths.com/
Extended Task.			
In LP2.4, I will know:	23/11/26 - (WK 2)	Frayer Model Words	Homework
how to find the volume of basic 3D shapes. how to find the volume of pyramids, spheres and cones. how to find the volume of composite shapes.▯		volume	Complete your weekly homework on https://sparxmaths.com/
In LP2.5, I will know:	30/11/26 - (WK 1)	Frayer Model Words	Homework
how to draw pie charts. how to interpret pie charts. how to plot scatter graphs. ▯		interpret	Complete your weekly homework on https://sparxmaths.com/
In LP2.6, I will know:	07/12/26 - (WK 2)	Frayer Model Words	Homework
how to interpret scatter graphs including line of best fit. how to find the probability of mutually exclusive events. how to create and interpret sample space diagrams and calculate expected outcomes from repeated experiments.▯		line of best fit	Complete your weekly homework on https://sparxmaths.com/
Extended Task.			
In LP2.7, I will know:	14/12/26 - (WK 1)	Frayer Model Words	Homework
how to use Venn diagrams with set notation. how to construct and interpret tree diagrams for dependent and independent events. how to calculate experimental probabilities. ▯		tree diagram	Complete your weekly homework on https://sparxmaths.com/
Resources to support learning:			
Students will be given login details by their class teacher. Homework will be linked to clip numbers on this website. https://sparxmaths.com/			
FFET Award Challenge for this Learning Programme:			
Complete 100% of SPARX maths homework every week.			

PRT Task 1

PRT Task 2