

Year 9 Maths

Learning Programme 2

Vocabulary to be taught using the frayer model

Loric for LP1 is Organisation

The values we are learning about 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?

Formulae, Constructions, Circles, Rounding, 3D shapes, Pythagoras' theorem.

Where have I seen this learning before?

Rearranging formulae, Constructing bisectors and perpendicular lines, Circles and cylinders, Error intervals, Representations of 3D shapes, Pythagoras' theorem in 2D

What could I use it for?

In combination with other topics to solve multi-step problems

Expression, equation, formula, variables, substitute, rearrange, subject.

| In LP2.1, I will know : | 20/10/25 - (WK 2) | Behaviour to support the values: STEPS/SLANT | Homework |
|---|-------------------|--|--|
| how to change the subject of formulae with one or more steps; how to construct angle bisectors; how to construct perpendicular bisectors. | | I will show honesty by accepting the consequences for my mistakes. | Homework tasks are located in the Knowledge Organisers |
| In LP2.2, I will know : | 03/11/25 - (WK 1) | Behaviour to support the values: STEPS/SLANT | Homework |
| how to find the arc length of sectors; how to find the area of sectors. | | I will show compassion by giving encouragement to others. | Homework tasks are located in the Knowledge Organisers |
| LP2 RLW, I will: | 10/11/25 - (WK 2) | Behaviour to support the values: STEPS/SLANT | Homework |
| review my learning, recalling and applying key knowledge, focus on closing any gaps in my knowledge and prepare effectively for the upcoming assessments. | | | |
| In LP2.3, I will know : | 17/11/25 - (WK 1) | Behaviour to support the values: STEPS/SLANT | Homework |
| how to find the surface area of a cylinder; how to find the volume of a cylinder. Extended Task | | I will show honesty by listening to and accepting the views of others. | Homework tasks are located in the Knowledge Organisers |
| In LP2.4, I will know : | 24/11/25 - (WK 2) | Behaviour to support the values: STEPS/SLANT | Homework |
| how to complete an assessment; how to truncate decimals. | | I will show compassion by asking someone how they are. | Homework tasks are located in the Knowledge Organisers |
| In LP2.5, I will know : | 01/12/25 - (WK 1) | Behaviour to support the values: STEPS/SLANT | Homework |
| how to find error intervals including truncated numbers; how to draw and interpret plans and elevations. | | I will show honesty by telling the truth about things. | Homework tasks are located in the Knowledge Organisers |
| In LP2.6, I will know : | 08/12/25 - (WK 2) | Behaviour to support the values: STEPS/SLANT | Homework |
| how to use Pythagoras to calculate the hypotenuse; how to use Pythagoras to calculate shorter sides. Extended Task | | I will show compassion by actively listening and engaging with others. | Homework tasks are located in the Knowledge Organisers |
| In LP2.7, I will know : | 15/12/25 - (WK 1) | Behaviour to support the values: STEPS/SLANT | Homework |
| how to apply Pythagoras theorem to solve problems. | | I will show honesty by being true to myself. | Homework tasks are located in the Knowledge Organisers |
| 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: | | | |
| Achieve 100% homework completion on SPARX maths. | | | |

PRT Task 1

PRT Task 2