

Year 10 Maths Learning Programme 5

The LORIC skill focus for this LP is: COMMUNICATION.

The Moral Values foci for this LP are: COURAGE and HUMILITY.

Courage - Acting with bravery and overcoming fears. I will show courage by answering a question in class even when I'm not 100% sure of the answer.
Humility - Having a modest view of oneself. I will show humility by admitting mistakes and asking for help when needed.

What will I be learning about in this Learning Programme?

In LP5 pupils will focus on, index laws expanding and factorising brackets, grouped data and drawing and interpreting statistical diagrams.

Where have I seen this learning before?

Powers and roots, expanding brackets, factorising, frequency tables and charts and diagrams

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 LP5.1, I will know:	11/05/26 - (WK 1)	Frayer Model Words	Homework
how to use the laws of indices to simplify expressions. how to estimate roots and powers how to work with indices in the form $1/a$		Index	Complete your weekly homework on https://spaxmaths.com/
In LP5.2, I will know:	18/05/26 - (WK 2)	Frayer Model Words	Homework
how to expand double brackets. how to convert recurring decimals to fractions. how to convert fractions to recurring decimals.		Variable	Complete your weekly homework on https://spaxmaths.com/
LP5 RLW, I will:	01/06/26 - (WK 1)	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://spaxmaths.com/
In LP5.3, I will know:	08/06/26 - (WK 2)	Frayer Model Words	Homework
how to factorise quadratic expressions of the form $x^2+bx+c=0$ including the difference of two squares. how to complete the square. how to expand triple brackets. Extended Task.		Factorise	Complete your weekly homework on https://spaxmaths.com/
In LP5.4, I will know:	15/06/26 - (WK 1)	Frayer Model Words	Homework
how to factorise and solve quadratic expressions of the form $x^2+bx+c=0$. how to factorise and quadratic expressions of the form $ax^2+bx+c=0$.		Equation	Complete your weekly homework on https://spaxmaths.com/
In LP5.5, I will know:	22/06/26 - (WK 2)	Frayer Model Words	Homework
how to interpret frequency tables with grouped data. how to draw cumulative frequency graphs.		Continuous Data	Complete your weekly homework on https://spaxmaths.com/
In LP5.6, I will know:	29/06/26 - (WK 1)	Frayer Model Words	Homework
how to draw and interpret stem and leaf diagrams . how to draw line graphs. how to draw box plots. Extended Task.		Grouped Frequency Table	Complete your weekly homework on https://spaxmaths.com/
In LP5.7, I will know:	06/07/26 - (WK 2)	Frayer Model Words	Homework
how to interpret box plots. how to interpret line graphs. how to draw and interpret frequency polygons.		Trend	Complete your weekly homework on https://spaxmaths.com/

PRT Task 1

PRT Task 2

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://spaxmaths.com/>

FFET Award Challenge for this Learning Programme:

Complete 100% of SPARX maths homework every week.