



## Year 10 Mathematics

## Learning Programme 2

The LOPIC skill feature for his LD is: OPGANISATION	,	Literacy:
The LOKIC Skill focus for this LP is: OKGANISATION The Morel Virtues focus for this LP are: COMPASSION and HONESTY	ł	Capital letters must be used at the star
Compassion - the quality of feeling nity and concern for the sufferings or misfortunes of others.		of sentences and for the first letter of
Compassion - the quality of feeling pity and concern for the sufferings of misjortanes of earlys. Honesty - the muslity of heing truthful	ł	proper nouns
Mhat will I be learning about in this Learning Programme?		<ul> <li>Full stops must be used at the end of a</li> </ul>
In LP2 I will be learning about in this communities and graphs.	I	sentence
	I	Question marks must be used at the
Where have I seen this learning before?		end of a question
		Apostrophes should only be used to:     possession or omission
KS3: solving equations, interpreting inequalities, formulae, lines parallel to the axes, expanding brackets and simple factorisation.	I	Days of the week and months must be
		spelled correctly
I	I	Key words must be spelled correctly
What could I use it for?	I	
The knowledge and skills I will learn in this learning programme will allow me to solve algebraic problems with one or two variables this ir	ncludes representing	
algebraic functions graphically. These skills are used in engineering.		
In LP2.1, I will know: Z1/10/24 - (WK 2)	Key Vocabulary	Homework
how to form and solve equations; including with unknowns on both sides;		LP1:7 Consolidation
how to form and solve inequalities; including with unknowns on both sides;	Variable	Sparx Maths
now to show solutions to inequalities on a number line and interpret representations on number lines to inequalities.	10.100.1	
In LP2.2, I will know: 04/11/24 - (WK 1)	Key Vocabulary	Homework
how to solve a pair of linear simultaneous equations by adjusting one equation;		LP2:1 Topics plus consolidation
how to solve a pair of linear simultaneous equations by adjusting both equations;		Sparx Maths
how to solve a pair of linear simultaneous equations by using graphs.	Simultaneous	
1 P2 RLW   will: 11/11/24 - (WK 2)		
		Consolidation
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		Sparx Maths
In LP2.3, I will know: 18/11/24 - (WK 1)	Key Vocabulary	Homework
In LP2.3, I will know: 18/11/24 - (WK 1) how to form and use formulae;	Key Vocabulary	Homework LP2:2 Topics plus consolidation
In LP2.3, I will know: 18/11/24 - (WK 1) how to form and use formulae; how to rearrange formulae by changing the subject; how to rearrange formulae by changing the subject;	Key Vocabulary	Homework LP2:2 Topics plus consolidation Sparx Maths
In LP2.3, I will know: how to form and use formulae; how to rearrange formulae by changing the subject; how to rearrange formulae by changing the subject and where the unknown appears more than once.	Key Vocabulary Rearrange	Homework LP2:2 Topics plus consolidation Sparx Maths
In LP2.3, I will know: 18/11/24 - (WK 1) how to form and use formulae; how to rearrange formulae by changing the subject; how to rearrange formulae by changing the subject and where the unknown appears more than once. Extended Task.	Key Vocabulary Rearrange	Homework LP2:2 Topics plus consolidation Sparx Maths
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In 122.3, I will know:       18/11/24 - (WK 1)         how to form and use formulae;       how to rearrange formulae by changing the subject;         how to rearrange formulae by changing the subject and where the unknown appears more than once.         Extended Task.         In 122.4, I will know:       25/11/24 - (WK 2)         how to accurately plot straight line graphs;         how to interpret the equation of a straight line; including rearranging into y=mx+c form;         how to find the equation of a line from its gradient and a point.         In 122.5, I will know:       02/12/24 - (WK 1)         how to find the equation of a line from two points;         how to find the equation of lines that are parallel to each other.         In 122.6, I will know:       09/12/24 - (WK 2)         how to factorise quadratic expressions;         how to solve quadratic equations by factorisation when a=1.         Extended Task.         In 122.7, I will know:       16/12/24 - (WK 1)         how to accurately plot a quadratic graph;         how to draw and interpret graphs of cubic and reciprocal functions.	Key Vocabulary Rearrange Key Vocabulary Gradient Rey Vocabulary Parallel Key Vocabulary Quadratic Key Vocabulary Reciprocal	Homework         LP2:2 Topics plus consolidation         Sparx Maths         Homework         LP2:3 Topics plus consolidation         Sparx Maths         Homework         LP2:4 Topics plus consolidation         Sparx Maths         Homework         LP2:4 Topics plus consolidation         Sparx Maths         Homework         LP2:5 Topics plus consolidation         Sparx Maths         Homework         LP2:5 Topics plus consolidation         Sparx Maths         LP2:5 Topics plus consolidation         Sparx Maths
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In IP2.3, I will know:       18/11/24 - (WK 1)         how to form and use formulae by changing the subject;       how to rearrange formulae by changing the subject and where the unknown appears more than once.         Extended Task.       In IP2.4, I will know:       25/11/24 - (WK 2)         how to accurately plot straight line graphs;       how to interpret the equation of a straight line; including rearranging into y=mx+c form; how to find the equation of a line from its gradient and a point.         In IP2.5, I will know:       02/12/24 - (WK 1)         how to find the equation of a line from two points;       02/12/24 - (WK 2)         how to find the equation of lines that are parallel to each other.       09/12/24 - (WK 2)         how to solve quadratic expressions;       how to solve quadratic equations by factorisation when a=1.         Extended Task.       16/12/24 - (WK 1)         how to draw and interpret graphs of cubic and reciprocal functions.       16/12/24 - (WK 1)	Key Vocabulary Rearrange Key Vocabulary Gradient Key Vocabulary Parallel Key Vocabulary Quadratic Key Vocabulary Reciprocal	Homework         LP2:2 Topics plus consolidation         Sparx Maths         Homework         LP2:3 Topics plus consolidation         Sparx Maths         Homework         LP2:4 Topics plus consolidation         Sparx Maths         Homework         LP2:4 Topics plus consolidation         Sparx Maths         Homework         LP2:5 Topics plus consolidation         Sparx Maths         Homework         LP2:6 Topics plus consolidation         Sparx Maths         LP2:6 Topics plus consolidation         Sparx Maths         LP2:6 Topics plus consolidation         Sparx Maths         LP2:6 Topics plus consolidation         Sparx Maths
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should be written in their planner.

RT Task

PRT Task

FFET Award Challenge for this Learning Programme: Complete 4 XP Boost Tasks on Sparx Maths