

Year 9 Maths

Learning Programme 5

Reading texts that pupils will study during the learning programme

Logic for LP5 is communication

The value we are learning about is **compassion**

Compassion - Sympathy and concern for the suffering or misfortunes of other

What will I be learning about in this Learning Programme?

Solving ratio and proportion, rates, probability, algebraic representations.

Where have I seen this learning before?

Scale factors, factors, time, conversions, fractions, decimals and percentages, sketching.

What could I use it for?

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

Problemsolving question on ratio, speed distance & probability

In LP5.1, I will know:	20/05/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to write ratios in the form 1:n; how to solve ratio problems given the whole or a part.			ratio	To complete task in knowledge organiser
In LP5.2, I will know:	03/06/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to solve problems involving ratio and algebra; how to solve best buy problems.			best buy	To complete task in knowledge organiser
In LP5.3, I will know:	10/06/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to solve speed, distance and time problems with and without a calculator; how to use distance-time graphs; how to solve problems with density, mass and volume. Extended Task			speed, density, mass	To complete task in knowledge organiser
In LP5.4, I will know:	17/06/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to solve flow problems and their graphs; how to work with rates of change and their units; how to convert compound units.			compound units	To complete task in knowledge organiser
In LP5.5, I will know:	24/06/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to calculate relative frequency; how to calculate expected outcomes; how to calculate probabilities with independent events.			relative frequency, expected probability	To complete task in knowledge organiser
In LP5.6, I will know:	01/07/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to use diagrams to work out probabilities; how to use tree diagrams; how to complete an assessment. Extended Task			independent, tree diagram, probability	To complete task in knowledge organiser
In LP5.7, I will know:	08/07/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to draw and interpret quadratic graphs; how to interpret graphs, including reciprocal and piece-wise; how to represent inequalities.			quadratic, reciprocal, inequalities, piece-wise	To complete task in knowledge organiser
In LP5.8, I will know:	15/07/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
experience week.				
Resources to support learning:				
Students will be given login details for mathswatch by their class teacher to support their independent studies.				
FFET Award Challenge for this Learning Programme:				
Attend an extra-curricular club, represent the academy at an event, attend an enrichment day, receive a subject praise postcard, attend a day trip, attend a head of year breakfast or afternoon tea, achieve 100 positive points on class charts, receive a letter of commendation from SLT, be invited to a wonderful Wednesday, receive a principals letter or be invited to a principals lunch, attend a residential trip, achieve the Duke of Edinburgh bronze award.				

PRT Task 1

PRT Task 2