Year 11   Mathematics
Learning Programme 3

The LORIC skill focus for this LP is: RESILIENCE

The values for this LP are RESPECT and JUSTICE

Respect - treat others how you would wish to be treated yourself.

Justice - our College rules are fair and reasonable

What will I be learning about in this Learning Programme?

In LP3, students will focus on the ratio and proportion visited in previous years in preparation for the summer exams.

Whilst strengthening their skills at interpreting data. Students will apply their understanding of probability gaining the ability to accurately.

Higher students will also develop the use of Histograms and cumulative frequency.

Where have I seen this learning before?

Basic proportion, substitution, Simplify a ratio, Bar modelling, HCF / LCM, Substitution, Change the subject, Probability of an event, Fraction operations, Decimal operations, Sample space, Grouped frequency tables, Averages, Plotting coordinates, Grouped frequency tables, Cumulative frequency, Box plots.

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 LP3.1, I will know:	05/01/26 - (WK 2)	Frayer Model Words	Homework
how to interpret direct proportion equations. how to interpret inverse proportion equations.		Proportion	Complete your weekly homework on https://sparxmaths.com/
In LP3.2, I will know:	12/01/26 - (WK 1)	Frayer Model Words	Homework
how to write and simplify ratios. how to share amounts in a given ratio. how to combine ratios.		Ratio	Complete your weekly homework on https://sparxmaths.com/
In LP3.3, I will know:	19/01/26 - (WK 2)	Frayer Model Words	Homework
how to calculate with speed. how to calculate with rates. how to calculate with measures.		Pressure	Complete your weekly homework on https://sparxmaths.com/
In LP3.4, I will know:	26/01/26 - (WK 1)	Frayer Model Words	Homework
how to interpret frequency tables with grouped data. how to use Venn diagrams with set notation. how to use tree diagrams for independent events. Extended Task.		Frequency	Complete your weekly homework on https://sparxmaths.com/
In LP3.5, I will know:	02/02/26 - (WK 2)	Frayer Model Words	Homework
how to plot and interpret scatter graphs. how to draw and interpret cumulative frequency graphs (H). how to draw and interpret boxplots (H).		Outlier	Complete your weekly homework on https://sparxmaths.com/
In LP3.6, I will know:	09/02/26 - (WK 1)	Frayer Model Words	Homework
how to find averages from diagrams. how to draw and interpret stem and leaf diagrams. how to draw and interpret histograms (H).		Mode	Complete your weekly homework on https://sparxmaths.com/
LP3 RLW, I will:	23/02/26 - (WK 2)	Frayer Model Words	Homework
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		Probability	Complete your weekly homework on https://sparxmaths.com/
In LP3.7, I will know:	02/03/26 - (WK 1)	Frayer Model Words	Homework
how to prepare for mock exams. Extended Task.		Method	Complete your weekly homework on https://sparxmaths.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://sparxmaths.com/

FFET Award Challenge for this Learning Programme:

Complete 100% of SPARX maths homework every week.