

Year 8 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?
Lines symmetry and reflection, the data handling cycle, measures of location.

Where have I seen this learning before?
Understand symmetry, tallies, and tabular structuring.

What could I use it for?
in combination with other topics to solve multi-step problems.

Problem solving question on area, interpret charts, averages and range.

| In LP5.1, I will know: | 20/05/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
|--|-------------------|----------|--|---|
| how to calculate the area of triangles, rectangles and parallelograms; how to calculate the area of a trapezium. | | | triangle, rectangle, parallelogram, trapezium | To complete task in knowledge organiser |
| In LP5.2, I will know: | 03/06/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| how to calculate the area of a circle and parts of a circle; how to calculate the perimeter and area of compound shapes; how to recognise line symmetry. | | | perimeter, radius, diameter, pi, circumference | To complete task in knowledge organiser |
| In LP5.3, I will know: | 10/06/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
| how to reflect a shape in a horizontal or vertical line how to reflect a shape in a diagonal line Extended Task | | | line of symmetry, reflection | To complete task in knowledge organiser |
| In LP5.4, I will know: | 17/06/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| how to set up a statistical enquiry & design and criticise questionnaires; how to draw and interpret pictograms; how to draw and interpret multiple bar charts and line graphs. | | | questionnaire, pictogram | To complete task in knowledge organiser |
| In LP5.5, I will know: | 24/06/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
| how to draw and interpret pie charts; how to prepare for an assessment; assessment. | | | pie chart, quantitative | To complete task in knowledge organiser |
| In LP5.6, I will know: | 01/07/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| how to find and interpret the range; how to compare distributions using charts; how to identify features of misleading graphs. Extended Task | | | range, misleading | To complete task in knowledge organiser |
| In LP5.7, I will know: | 08/07/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
| how to calculate the mean, mode and median; how to identify outliers in a set of data; how to compare distributions using averages and the range. | | | outlier, mean, median, mode | 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