

Year 7 Maths

Learning Programme 4

Reading texts that pupils will study during the learning programme

Logic for LP4 is Initiative

The value we are learning about is **Justice and Integrity**:

Justice- Fair behaviour or treatment

Integrity - Being honest and having strong moral principles

What will I be learning about in this Learning Programme?

Addition & subtracting fractions, constructing, measuring & using geometric notation, developing geometric reasoning.

Where have I seen this learning before?

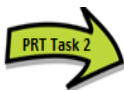
Measuring and drawing angles, constructions with a compass. Identifying properties of 2D shapes

What could I use it for?

In combination with other topics to solve multi step problems in KS3 and KS4.

Problem solving questions on find the common denominator, pie chart, angle reasoning

In LP4.1, I will know:	11/03/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to evaluate algebraic expressions with directed number; how to solve two step equations with directed number; how to use order of operations with directed numbers.			Evaluate, substitute, expression, equation, solve	complete mathswatch clip number N20
In LP4.2, I will know:	18/03/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to calculate fractions of a given amount; how to find percentages of a given amount; how to convert between mixed numbers and fractions.			percentage, mixed number, numerator, denominator, improper fraction	complete mathswatch clip number N35
In LP4.3, I will know:	08/04/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to add and subtract fractions with the same denominator; how to add and subtract fractions from integers; how to understand and use equivalent fractions. Extended Task			equivalent	complete mathswatch clip number N36
In LP4.4, I will know:	15/04/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to add and subtract fractions with any denominator; how to add and subtract improper fractions and mixed numbers; how to use fractions in algebraic contexts.			common denominator	complete mathswatch clip number N41
In LP4.5, I will know:	22/04/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to prepare for an assessment; assessment.				complete mathswatch clip number N13B
In LP4.6, I will know:	29/04/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to identify, measure and draw angles up to 360 degrees and use notation; how to recognise types of polygon up to 10 edges, perpendicular and parallel lines; how to construct triangles using SSS, SAS, ASA. Extended Task			regular polygon, parallel, perpendicular, construct	complete mathswatch clip number G11
In LP4.7, I will know:	06/05/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to construct more complex polygons; how to interpret pie charts; how to draw pie charts.			pie chart, proportion, sector, frequency	complete mathswatch clip number S9
In LP4.8, I will know:	13/05/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to use the sum of angles at a point; how to use the sum of angles on a straight line; how to understand and use the equality of vertically opposite angles.			adjacent, vertex, vertically opposite angles	complete mathswatch clip number G13



Resources to support learning:

Students will be given login details by their class teacher. Homework will be linked to clip numbers on this website.

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.