

# Year 8 Maths

## Learning Programme 4

Reading texts that pupils will study during the learning programme

Loric for LP4 is Initiative

The values we are learning about are integrity and gratitude

Integrity - Being honest and having strong moral principles

Gratitude- the quality of being thankful and showing appreciation

**What will I be learning about in this Learning Programme?**

Standard index form, number sense, angles in parallel lines & polygons, area of trapezia & circles.

**Where have I seen this learning before?**

Knowledge of multiples of 10 and awareness of the boundary for rounding. Basic angles rules & notation

**What could I use it for?**

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

Problem solving questions on percentage change, laws of indices, interior and exterior angles

In LP3.1, I will know :	10/03/2025 - (WK 2)	Behaviour to support the values: STEPS/SLANT	Homework
how to prepare for an assessment; assessment.		I will show integrity by expressing gratitude to others.	Homework tasks are located in the Knowledge Organisers
In LP3.2, I will know :	17/03/2025 - (WK 1)	Behaviour to support the values: STEPS/SLANT	Homework
how to express one number as a fraction or percentage of another using a calculator; how to work with percentage change how to add and subtract expressions with indices.		I will show gratitude by showing my appreciation when someone does something nice.	Homework tasks are located in the Knowledge Organisers
In LP3.3, I will know :	24/03/2025 - (WK 2)	Behaviour to support the values: STEPS/SLANT	Homework
how to use the law for indices; how to work with numbers greater and less than 1 in standard form; how compare and order numbers in standard form.		I will show integrity by taking responsibility for my actions whether they be good or bad.	Homework tasks are located in the Knowledge Organisers
Extended Task			
In LP3.4, I will know :	31/03/2025 - (WK 1)	Behaviour to support the values: STEPS/SLANT	Homework
how to add and subtract numbers in standard form; how to multiply and divide numbers in standard form; how to use a calculator to work with numbers in standard form.		I will show gratitude by completing a random act of kindness.	Homework tasks are located in the Knowledge Organisers
In LP3.5, I will know :	21/04/2025 - (WK 2)	Behaviour to support the values: STEPS/SLANT	Homework
how to round and estimate numbers; how to use the order of operations; how to convert metric units of length, mass and capacity.		I will show integrity by being reliable and trustworthy.	Homework tasks are located in the Knowledge Organisers
In LP3.6, I will know :	28/04/2025 - (WK 1)	Behaviour to support the values: STEPS/SLANT	Homework
how to use basic angle rules and notation; how to find angles in parallel lines; how to construct triangles and quadrilaterals.		I will show gratitude by being respectful.	Homework tasks are located in the Knowledge Organisers
Extended Task			
In LP3.7, I will know :	05/05/2025 - (WK 2)	Behaviour to support the values: STEPS/SLANT	Homework
how to understand properties of quadrilaterals how to understand and use the sum of exterior and exterior angles of any polygon; how to calculate missing interior angles in regular polygons.		I will show integrity by showing patience and flexibility when obstacles get in the way.	Homework tasks are located in the Knowledge Organisers
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:			
Test your mathematical reasoning and problem-solving skills with the UKMT Junior challenge.			

PRT Task 1

PRT Task 2