

# Year 8 Maths Learning Programme 4

Reading texts that pupils will study during the learning programme

Loric for LP4 is Initiative

<p>The value we are learning about is <b>Justice and Integrity</b>:  <b>Justice</b>- Fair behaviour or treatment  <b>Integrity</b>- Being honest and having strong moral principles</p> <p><b>What will I be learning about in this Learning Programme?</b>          Standard index form, number sense, angles in parallel lines &amp; polygons, area of trapezia &amp; circles.</p> <p><b>Where have I seen this learning before?</b>          Knowledge of multiples of 10 and awareness of the boundary for rounding. Basic angles rules &amp; notation</p> <p><b>What could I use it for?</b>          In combination with other topics to solve multi step problems in KS3 and KS4.</p>	<p>Problemsolving questions on percentage change, laws of indices, interior and exterior angles</p>
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In LP4.1, I will know:	11/03/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to express one number as a fraction or percentage of another using a calculator; how to work with percentage change			percentage change, profit, loss	complete mathswatch clip number A7
In LP4.2, I will know:	18/03/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to add and subtract expressions with indices; how to use the law for indices.			Expression, indices	complete mathswatch clip number N45A
In LP4.3, I will know:	08/04/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to work with numbers greater than 1 in standard form; how to work with numbers between 0 and 1 in standard form; how compare and order numbers in standard form. Extended Task			standard form, ordinary form	complete mathswatch clip number N45B
In LP4.4, I will know:	15/04/24 - (WK 2)	PR Focus	Key Vocabulary	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.			standard form, ordinary form	complete mathswatch clip number N43A
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 N43B
In LP4.6, I will know:	29/04/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to round and estimate numbers; how to use the order of operations; how to convert metric units of length, mass and capacity. Extended Task			Significant figure, estimate, capacity,	complete mathswatch clip number G18
In LP4.7, I will know:	06/05/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to use basic angle rules and notation; how to find angles in parallel lines; how to construct triangles and quadrilaterals.			Adjacent, vertically opposite angles, alternative angles, co-interior angles, corresponding angles, transversal	complete mathswatch clip number G19
In LP4.8, I will know:	13/05/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to understand properties of quadrilaterals how to understand and use the sum of exterior and interior angles of any polygon; how to calculate missing interior angles in regular polygons.			exterior angle, interior angle, regular polygon	complete mathswatch clip number G20



**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.