

LTP Overview - Subject: Maths

Subject Annual Overview

Below highlights the topics/themes that each year will cover over the academic year

Subject	Key Stage/ Year	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	KS3 Lower Year 7 & 8	Algebra Sequences Algebraic notation and substitution Expressions and equations <u>Ratio</u> <u>Proportion and rates of change</u> <u>Ratio</u> <u>Proportion and scale</u> <u>Number</u> <u>Directed number</u>	<u>Number</u> Place value, ordering and rounding Four operations <u>Statistics</u> Averages and range <u>Number</u> Rounding and estimation <u>Algebra</u> Algebraic manipulation Coordinates and graphs <u>Number</u> Multiply fractions	<u>Statistics</u> Graphing data <u>Number</u> Fractions, decimals and percentages <u>Geometry and measure</u> <u>Area and volume</u> <u>Algebra</u> <u>Equations</u> <u>Number</u> Fractions and percentages	<u>Number</u> Directed number Fractions and percentages of amounts <u>Geometry and measures</u> Perimeter and area <u>Number</u> Decimal arithmetic and rounding <u>Algebra</u> Expressions and indices <u>Number</u> Standard form <u>Statistics</u> Interpret and represent data	<u>Ratio, proportion and rates of change</u> Speed, distance and time <u>Number</u> Four operations with decimal numbers Properties of number <u>Geometry and measure</u> Angles in polygons <u>Probability</u> Tables and probability	<u>Number</u> Add and subtract fractions <u>Geometry and measures</u> Angles and polygons <u>Geometry and measures</u> <u>Circles</u> <u>Statistics</u> Graphs and charts <u>Algebra</u> Sequences <u>Geometry and measures</u> Symmetry and reflection
	KS3 Upper Year 9	Properties of number	Equations, inequalities	Maths and money	Ratio and proportion	Pythagoras' theorem	Transformations

		Percentages Area and volume	and formulae Fractions Rates Standard form	Straight line graphs Similarity	Constructions and congruence Algebraic manipulation	Non-linear graphs Sets and probability	Simultaneous equations Trigonometry
	KS 4 -Year 10	Algebraic manipulation Equations, inequalities and formulae Quadratic expressions and equations	Percentages Ratio and Scale Fractions	Non-calculator methods Straight line graphs Probability	Rounding and estimation Perimeter, area and volume Interpret and represent data Non-linear graphs	Angles Graphs and diagrams Vectors	Factors, powers and surds Pythagoras' theorem and trigonometry Simultaneous equations
	Qualification KS4 Year 11	Ratio and Proportion Area and Volume Similarity and Congruence	Sequences and proof Standard Form Work with circles Set notation and Venn Diagrams	Functions and graphs Equations and formulae Rates	Angles, bearing and trigonometry Constructions and loci Transformation s	Revision Practice Papers Pre-exam workshops	