

Mathematics Curriculum

Building on Key stage 2

What you studied in Primary School:

[Addition and subtraction](#): including performing mental maths calculations using numbers of up to 4 digits.

[Multiplication and division](#): including learning formal methods for multiplication, short division and long division.

[Number and place value](#): including counting, rounding up and solving practical number problems.

[Fractions](#): including comparing and ordering fractions and conducting calculations using common factors.

[Geometry](#): including studying the properties of 2D/ 3D shapes and calculating angles.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2						
7	Number 1 Place value Arithmetic	Number 2 Factors & Multiples BIDMAS	Number 3 Positive and Negative numbers	Algebra 1 Expressions, Equations & inequalities	Geometry 1 Angles	Geometry 2 2D Shapes – identifying & constructing	Geometry 3 Coordinates	Geometry 4 Coordinate Geometry	Number 4 Prime Factors	Number 5 Fractions	Number 6 Ratio	Number 7 Percentages
8	Algebra 1 Sequences	Algebra 2 Forming and solving equations	Algebra 3 Linear graphs	Number 1 Estimation	Number 2 Ratio Real life graphs	Number 3 Proportion	Statistics 1 Collecting, representing and comparing data	Statistics 2 Bivariate (2 sets) data comparisons	Geometry 1 Angles in polygons	Geometry 1 Bearings	Geometry 1 Circles	Geometry 1 Volume and surface area
9	Number 1 Fractions Decimals Percentage s	Statistics 1 Probability Sets Statistical diagrams	Algebra 1 Solving algebraically	Algebra 2 Solving Graphically	Geometry 1 Angles Constructions	Algebra 3 Pythagoras	Number 2 Ratio	Geometry 2 Similarity & enlargement Trigonometry	Algebra 4 Algebra review	Algebra 5 Quadratic expressions & equations	Number 3 Surds Indices	Number 4 Standard form Growth & decay
10	Algebra 1 Linear graphs	Geometry 1 Transformations	Number 1 Ratio & Proportion	Geometry 2 Right angled Triangles	Geometry 3 Trigonometry	Statistics 1 Probability	Number 2 Multiplicative reasoning	Geometry 4 Constructions & loci	Geometry 5 Bearings	Algebra 2 Quadratic equations &	Geometry 6 Perimeter & Area	Geometry 7 Volume
	Algebra 1 Equations & inequalities	Statistics 1 Probability	Number 1 Multiplicative reasoning	Geometry 1 Similarity & congruence	Geometry 2 Trigonometry	Statistics 2 Sampling Cumulative	Statistics 3 Box plots Histograms	Algebra 2 Equations and graphs	Geometry 3 Circle Theorems	Geometry 4 Circle Theorems	Algebra 3 Rearranging formula	Algebra 4 Algebraic fractions
11	Geometry 1 Constructions & Loci	Algebra 1 Quadratic equations	Geometry 2 Perimeter, area & volume	Number 1 Fractions indices	Number 2 Standard form	Geometry 3 Similarity & enlargement	Algebra 2 Graphs Pythagoras	Algebra 3 Simultaneous equations	GCSE Exams			
	Number 1 Surds Indices	Algebra 1 Quadratics inc graphs	Shape 1 Similar shapes Transformations	Algebra 2 Rearranging formula	Number 2 Multiplicative reasoning	Algebra 3 Algebraic fractions	Shape 2 Sine/cosine rule	Algebra 4 Simultaneous equations				