

Maths Programme of Study

Year 7	Year 8	Year 9	Year 10	Year 11
Numbers and the number system	Numbers and the number system	Calculating	Integers and place value	Transformations
Calculating	Calculating		Decimals	Proportion
Counting and comparing	Understanding risk	Understanding risk	Indices, powers and roots	Probability
Visualising and constructing	Visualising and constructing	Visualising and constructing	Factors, multiples and primes	Plans and elevations
Algebraic proficiency	Algebraic proficiency	Algebraic proficiency	Algebra: the basics	Fractions and reciprocals
Investigating properties	Understanding risk	Conjecturing	Expression and substitution into formulae	Indices and standard form
Exploring fractions, decimals and percentages	Exploring fractions, decimals and percentages	Exploring fractions, decimals and percentages	Tables, charts and graphs	Multiplicative reasoning
Proportional reasoning	Proportional reasoning	Proportional reasoning	Pie charts	Construction, loci and bearing
Patterns and sequencing	Patterns and sequencing	Patterns and sequencing	Scatter graphs	Quadratic equations: expanding and factorising
Measuring space			Fractions, decimals and percentages	Quadratic equations: graphs
Investigating angles	Investigating angles	Investigating angles	Percentages	Right-angled triangles: Pythagoras and trigonometry
Presentation of data	presentation of data	presentation of data	Sequences	Circles, cylinders, cones and spheres
Measuring data	Measuring data	Measuring data	Equations and inequalities	Similarity and Congruence in 2D
		Solving equations	Interior and exterior angles of polygons	Vectors
Calculating space	Calculating space	Calculating space	Properties of shapes and parallel lines and angle factors	Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations.
Calculating fractions, decimals and percentages	Calculating fractions, decimals and percentages	Calculating fractions, decimals and percentages	Statistics, sampling and the averages	
Mathematical movement	Algebraic proficiency	Algebraic proficiency	Straight line graphs	
Checking, approximating and estimating	Checking, approximating and estimating	Checking, approximating and estimating	Perimeter, area and volume	
			Real life graphs	