

Mathematics Scheme of Learning/Courses/Curriculum Map

	1	2	3	4	5	6
Year 7	Place value Multiplying and dividing by 10, 100 and 1000 Rounding	Approximation Algebraic simplification Substitution	Solving one-step equations Negative numbers The order of operations	The properties of number The four operations	Standard form Understanding fractions	Adding and subtracting fractions Multiplying and dividing fractions
Year 8	Ratio and its link to fraction Ratio scaling to solve mathematical problems Sharing in a ratio	Percentages as a measure of proportion Percentages of an amount Percentages as multipliers	Expanding single brackets Expanding double brackets Expanding and simplifying using brackets	Factorising binomials Factorising quadratic expressions Solving 1-step and 2-step equations	Solving equations with unknowns on both sides Inequalities Sequences	Real life graphs Understanding co-ordinates and formulae Drawing straight line and quadratic graphs, $y = mx + c$
Year 9	Mean, median, mode and range Understanding data in tables	Understanding pie charts Drawing pie charts Scatter graphs	Probability of single events Probability of combined events	Relative frequency Understanding angles Angle facts	2-dimensional geometry Pythagoras' theorem	Trigonometry 3d geometry, constructions and transformations

Year 10 Foundation	Number	Algebra and standard form	Sequences and percentages	Compound units, Algebra and representation of data	Ratio and averages	Probability and geometry
Year 10 Higher	Expressions and Equations Factorisation and solving Equations	Problem solving with Data Graphical representations of data	Probability Indices	Recurring decimals Approximation and the limits of accuracy	Surds Drawing and identifying algebraic graphs	Using $y = mx + c$ Transforming graphs
Year 11 Foundation	Geometry	Representing data and constructions	Revision	Revision	Examinations	Examinations
Year 11 Higher	Solving simultaneous equations including quadratics Completing the square and the quadratic formula Sequences Inequalities	Iteration Trigonometry Vectors	Constructions, bearings and Loci Revision	Revision	Examinations	Examinations