

Maths Long term plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Block 1: Sequences Block 2: Algebraic notation	Block 3: Equality and equivalence Block 4: Place value and ordering Block 5: Fractions, decimals and percentages	Block 6: Addition and subtraction Block 7: Multiplication and division Block 8: Fractions and percentages of amounts	Block 9: Directed number Block 10: Fractional thinking	Block 11: Construction and measuring Block 12: Geometric reasoning	Block 14: Sets and probability Block 15: Primes and proof Block 13: Developing number sense
Year 8	Block 1: Ratio and scale Block 2: Multiplicative change Block 3: Multiplying and dividing fractions	Block 4: Working in the Cartesian plane Block 5: Representing data Block 6: Tables and probability	Block 7: Brackets, equations and inequalities Block 8: Sequences Block 9: Indices	Block 10: fractions and percentages Block 11: Standard index form Block 12: Numbers sense	Block 13: angles in parallel lines and polygons Block 14: Area of a trapezia and circles Block 15: Line of symmetry and reflection	Block 16: The data handling cycle Block 17: Measures of location
Year 9	Block 2: Forming and solving equations Block 1: Straight line graphs Block 4: Three-dimensional shapes	Block 13: Solving ratio and proportion problems Block 15: Probability	Block 6: Numbers Block 7: Percentages Block 8: Maths and money	Block 9: Deduction Block 10: Rotations and translations Block 11: Pythagoras' theorem	Block 12: Enlargement and similarity Block 14: Rates	Block 5: Constructions and congruency Block 16: Algebraic representations Block 17: Getting ready for Key Stage 4 Block 3: Testing conjectures
Year 10 Foundation	Integers and place value Decimals Special numbers and powers Fractions	Arithmetic of fractions Set language and Venn diagrams Algebraic manipulation	Quadratic equations and graphs Angles and measures	Compound measures Perimeter and area Pythagoras' theorem and trigonometry Representing data	Revision of topics and practice of examination questions	Unit 2 Primes, HCF and LCM, and standard form Percentages 2

	Percentages Ratio and proportion	Equations and inequalities Real life graphs Straight line graphs	Symmetry, shapes, parallel lines and angle facts	Probability		Ratio and proportion 2
Year 10 Higher	Decimals Fractions and percentages Ratio and proportion Surds and powers Degree of accuracy Set language, notation and Venn diagrams	Algebraic manipulation Linear equations Linear graphs Quadratic equations, inequalities and graphs	Compound measures Geometry of shapes 1 Perimeter, area and volume 1	Pythagoras' theorem and trigonometry Advanced trigonometry Graphical representation of data 1 Probability	Revision of topics and practice of examination questions	Special numbers Percentages Ratio and proportion 2 Indices and standard form Proof Expressions, formulae and rearranging formulae
Year 11 Founda tion	Expressions, formulae and rearranging equations Inequalities Sequences Graphs of inequalities	Simultaneous equations Measures, bearings and scale drawings Symmetry Polygons	Surface area and volume Circles and cylinders Transformations	Similarity and congruence in 2D Constructions and bearings Data Statistical measures	Revision of topics and practice of examination questions	
Year 11 Higher	Inequalities Sequences Graphs of inequalities Harder graphs and transformation of graphs	Simultaneous equations Function notation Calculus Geometry of shapes 2	Constructions and bearings Perimeter, area and volume 2 Transformations Circle properties	Similar shapes Vectors Graphical representation of data 2 Statistical measures	Revision of topics and practice of examination questions	