	HALF TERM 1			HALF TERM 2			HALF TERM 3			
Year 7	Place value	Factors, multiples and primes	Four operations	Four operations	Understanding fractions	Four operations with fractions	Comparing and ordering fractions, decimals and integers	Order of operations	Simplify and manipulate algebra	Solving equations
Year 8	Understanding percentages	Percentages and multipliers	Ratio	Powers and roots	Powers and roots	Squences and nth term	Plotting and interpreting graphs	Plotting and interpreting graphs	Introducing probablity	Angles in parallel lines	Circles and compound area
Year 9 Route 1	Integers and place value Decimals Indices, Powers and Roots Factors, multiples, primes		Algebra basics Expressions Substitution into formulae	Algebra basics Expressions Substitution into formulae	Properties of shapes Parallel lines and angles In/Ex angles in polygons	Pythagoras and Trigonometry	Fraction, decimal and percentage		Indices and standard form	
Year 9 Route 2	Calculations, checking, rounding BIDMAS Factors, multiples, prime Standard form Surds		Rearranging and solving equations Factorising Sequences	Rearranging and solving equations Factorising Sequences	Polygons, angles and parallel lines Pythagoras' Theorem and Trigonometry		Fractions and percentages Ratio and proportion		Perimeter, area, volume Circles Accuracy and bounds	
Year 10 Route 1	Circles, Cylinders, Cones and Spheres	Transformations	Real life graphs Straight line graphs	Real life graphs Straight line graphs	Tables, charts and graphs Pie charts Scattergraphs		Tables, charts and graphs Pie charts Scattergraphs	Sampling and statistics Averages		
Year 10 Route 2	Transformations Constructions, Loci and Bearings		Averages and range Represent/Interpret data Scatter graphs	Collecting data Cumulative frequency Box plots Histograms	Probability - Tree diagrams		Multiplicative reasoning	Graphs of trig functions Further Trigonometry		

Number	Algebra	Ratio	Geometry	Statistics	Probability

HALF TERM 4				HALF TERM 5			HALF TERM 6		
Solving equations	Averages, charts and diagrams	Angles, rotation and symmetry	Area and perimeter	Area and perimeter	Angles in triangles and polygons	Coordinates and rotation, reflection and translation	Coordinates and rotation, reflection and translation	End of year assessment week	PROJECT WORK
3D shapes, capacity and volume	Proportion	Constructions	Transformations	Similarity and congruence	Applied graphs	Further probability	End of year assessment week	PROJECT WORK	
Indices and standard form	Equations, inequalitites and sequences			Equations, inequalitites and sequences	Ratio and proportion	Area, perimeter and volume	Area, perimeter and volume	End of year assessment week	PROJECT WORK
Perimeter, area, volume / Circles / Accuracy and bounds				Perimeter, area, volume / Circles / Accuracy and bounds	Quadratics Simultaneous equations Inequalities	Graphs: Real life Linear, Quadratic, Cubic Coordinate geometry	Graphs: Real life Linear, Quadratic, Cubic Coordinate geometry	End of year assessment week	PROJECT WORK
Sampling and statistics Averages	Probability			Probability	Multiplicative reasoning	Quadratics	Quadratics	End of year assessment week	PROJECT WORK
Graphs of trig functions Further Trigonometry	Similarity and congruence in 2D and 3D	Quadratics Expanding trinomials Sketching graphs Iteration		Quadratics Expanding trinomials Sketching graphs Iteration	Circle theorems Circle geometry	Vectors Geometrical proof	Vectors Geometrical proof	End of year assessment week	PROJECT WORK