Curriculum strands		**Year 7 - Autumn Term**		
Content	Number	Algebra	Ratio, proportion and Rates of change	Geometry and measures	Statistics
Number **Algebra** **Ratio** **Geometry** **Statistics**	• four operations • rounding • factors and multiples • basic percentages	• coordinates in all four quadrants	• fractions	• area and perimeter • draw and measure line segments and angles	• representing data
Assessment	Baseline in first 2 lessons to assess gaps in knowledge End of unit mini assessments				
Memory recall starters	Focus on four operations to improve sticky memory of key skills. Focus on command words.				

Curriculum strands	**Year 7- Spring Term**				
Content	Number	Algebra	Ratio	Geometry	Probability
Number **Algebra** **Ratio** **Geometry** **Probability**	• BIDMAS • decimal place value • negative numbers	• simplify algebraic expressions • substitution	• calculate fractions • divide a quantity to a given ratio	• properties of polygons	• simple probability experiments
Assessment	End of unit mini assessments				
Memory recall starters	Focus on BIDMAS to improve sticky memory of key skills. Review factors and multiples from last term. Focus on command words.				

Curriculum strands	**Year 7 - Summer Term**				
Content	Number	Algebra	Geometry	Ratio	Statistics
Number **Algebra** **Ratio** **Geometry** **Statistics**	• Money • using a calculator • inverse operations • change between standard units (time, length etc) • percentage change	• sequences	• properties of angles; transformations	• scale factors;	• analysing data
Assessment	End of year assessment				
Memory recall starters	Review of negative numbers from last term. Focus on command words.				

Curriculum strands	**Year 8 - Autumn Term**			
Content	Number	Algebra	Geometry and measures	Ratio
Number **Algebra** **Ratio** **Geometry**	• four operations • factors and multiples • BIDMAS • using a calculator	• simplify and manipulate algebraic expressions • algebraic vocabulary • solve simple equations	• properties of polygons and 3D shapes • area and perimeter • volume of cuboids and prisms	• manipulate and calculate fractions;
Assessment	Students to complete a baseline assessment. Mini end of unit assessments.			
Memory recall starters	Focus on review of basic number skills .Focus on command words.			

Curriculum strands	**Year 8 - Spring Term**		
Content	Number	Geometry and measures (G)	Statistics (S)
Number **Geometry** **Statistics**	• Rounding • Percentages • money including decimals • percentage change	• describe/draw/measure line segments and angles in shapes • properties of angles at a point	• representing data
Assessment	End of unit mini assessments		
Memory recall starters	Focus on data vocabulary. Practice applying angles rules. Continues to use memory starters to support basic number skills. Focus on command words.		

Curriculum strands	**Year 8- Summer Term**				
Content	Number	Algebra	Ratio	Probability	Statistics
Number **Algebra** **Ratio** **Probability** **Statistics**	• inverse operations • negative numbers • change between standard units (time, length etc)	• sequences • co-ordinates in 4 quadrants • substitution • solving basic equations	• divide a quantity in a given ratio	• basic probability theory	• representing and analysing data
Assessment	Mini mock assessments focussing on improving gaps.				
Memory recall starters	Focus on recall of rounding, angle rules and command words.				

Foundation	**Year 9 - Autumn Term**			
Content (1MA1)	Number(N)	Algebra (A)	Geometry and measures (G)	Statistics (S)
Number –basic number; factors and multiples; basic fractions; basic decimals; rounding **Algebra –** basic algebra; co-ordinates and linear graphs **Geometry –** angles; scale drawings and bearings; **Statistics –** collecting and representing data Time for review and revision	N1 order positive and negative integers, decimals and fractions;use the symbols =, ≠, <, >, ≤, ≥ N2 apply the four operations, including formal written methods, to integers,decimals and simple fractions (proper and improper), and mixed numbers - all both positive and negative; understand and use place value (e.g. when working with very large or very small numbers, and whencalculating with decimals) N3 recognise and use relationships between operations, including inverseoperations (e.g. cancellation to simplify calculations and expressions);use conventional notation for priority of operations, including brackets,powers, roots and reciprocals N4 use the concepts and vocabulary of prime numbers, factors (divisors),multiples, common factors, common multiples N8calculate exactly with fractions N12 interpret fractions as operators N14 estimate answers; check calculations using approximation and estimation N15 round numbers and measures to an appropriate degree of accuracy	A1 use and interpret algebraic manipulation A2 substitute numerical values into formulae and expressions, includingscientific formulae A4 simplify and manipulate algebraic expressions A8 work with coordinates in all four quadrants A9 plot graphs of equations that correspond to straight-line graphs in thecoordinate plane	G3 apply the properties of angles at a point, angles at a point on a straightline, vertically opposite angles; understand and use alternate andcorresponding angles on parallel lines; derive and use the sum of angles in a triangle (e.g. to deduce and use the angle sum in any polygon, and toderive properties of regular polygons)G11 solve geometrical problems on coordinate axes G15 measure line segments and angles in geometric figures, includinginterpreting maps and scale drawings and use of bearings	S2 interpret and construct tables, charts and diagrams, including frequency tables, bar charts, pie charts and pictograms for categorical data, vertical line charts for ungrouped discrete numerical data, tables and line graphs for time series data and know their appropriate use
Assessment	Baseline in first 2 lessons to assess gaps in knowledge End of unit mini assessments. End of term- End of unit assessment- calculator/non-calculator			
Memory recall starters	Focus on Fraction four operations (N2) to improve sticky memory of key skills. Review understanding of-N4 use the concepts and vocabulary of prime numbers, factors (divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple. N6 use positive integer powers and associated real roots (square, cube and higher), recognise powers of 2, 3, 4, 5. Focus on command words.			

Foundation		**Year 9 - Spring Term**			
Content	Number (N)	Ratio ®	Algebra(A)	Geometry (G)	Probability (P)
Number - basic percentages **Algebra –** sequences **Ratio –** introduction to ratio and proportion **Geometry –** introduction toperimeter, area and circumference **Probability –** basic probability Time for review and revision	N12 interpret percentages as operators	R4 use ratio notation, including reduction to simplest form R5 divide a given quantity into two parts in a given part:part or part:wholeratio; express the division of a quantity into two parts as a ratio; apply ratioto real contexts and problems R9 define percentage as 'number of parts per hundred'; interpret percentagesand percentage changes as a fraction or a decimal, and interpret thesemultiplicatively; express one quantity as a percentage of another; comparetwo quantities using percentages; work with percentages greater than100%; solve problems involving percentage change, including percentageincrease/decrease	A23 generate terms of a sequence from either a term-to-term or a position-to-term rule A24 recognise and use sequences of triangular, square and cube numbers,simple arithmetic progressions, Fibonacci type sequences, quadraticsequences, and simple geometric progressions (r to the power of n where n is an integer,and r is a rational number > 0) A25 deduce expressions to calculate the nth term of linear sequences	G16 know and apply formulae to calculate: area of triangles, parallelograms,trapezia; G17 know the formulae: circumference of a circle = 2πr = πd ,area of a circle = πr2; calculate: perimeters of 2D shapes, including circles;areas of circles and composite shapes	P1 record, describe and analyse the frequency of outcomes of probabilityexperiments using tables and frequency trees P2 apply ideas of randomness, fairness and equally likely events to calculateexpected outcomes of multiple future experiments P3 relate relative expected frequencies to theoretical probability, usingappropriate language and the 0-1 probability scale P4 apply the property that the probabilities of an exhaustive set of outcomessum to one; apply the property that the probabilities of an exhaustive set ofmutually exclusive events sum to one

Assessment	End of unit mini assessments				
Memory recall starters	Focus on N12 and R9 to improve sticky memory of key skills. Review N2, G3 and A8 from last term. Focus on command words.				

Foundation	**Year 9 - Summer Term**		
Content	Algebra (A))	Geometry and measures (G)	Statisitics (S)
Algebra - equations; **Geometry –** transformations; pythagoras' theorem; 2D representations of 3D shapes **Statistics –** scatter graphs Time for review and revision	A1 use and interpret algebraic manipulation A4 simplify and manipulate algebraic expressions A17 solve linear equations in one unknown algebraically (including those with the unknown on both sides of the equation);	G7 identify, describe and construct congruent and similar shapes, including oncoordinate axes, by considering rotation, reflection, translation andenlargement (including fractional scale factors) G13 Construct and interpret plans and elevations of 3D shapes G20 know the formulae for: Pythagoras' theorem a2 + b2= c2	S6 use and interpret scatter graphs of bivariate data; recognise correlation
Assessment	Mini assessments of work completed throughout year.		
Memory recall starters	Focus on command words.		