	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Year 7	**Number**	**Ratio & Proportion**	**Algebra**	**Geometry & Measure Angle /Shape**	**Probability**	**Statistics**
Knowledge & Skills	Place Value Multiplication and Division Addition & Subtraction Calculations with Negative Numbers BIDMAS Approximations Calculators Rounding Multiples / Factors / Prime Numbers Fractions Percentages **Algebra**	Ratio Proportion Units & Scales Money Units & Measuring Maps & Scale Drawings **Algebra** Expressions Sequences Equations	Coordinates Simplifying Expressions Expressions with Brackets Solving Equations	2D Shapes Properties of 3D shapes Angle Rules Angles in Polygons Constructions Measuring & Drawing Perimeter / Area / Volume Transformations Reflection Rotation Translation Enlargement Symmetry	Probability Scale Basic Probability Listing outcomes Time **Algebra** Writing Formulas Substituting into a formula	Tables Bar Charts Pictograms Line Graphs Pie Charts Correlation Averages & Range **Algebra** Term to Term rule Generating Terms Position to term Rule Plotting Graphs Graphs Interpreting Graphs
Assessment	Pupils knowledge and understanding is supported and assessed through the use of formative and summative assessments, ensuring our pupils know more and remember more.					

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 8	**Number**	**Algebra**	**2D Geometry**	**Ratio & Proportion**	**Statistics**	**3D Geometry**
Knowledge & Skills	Place Value Decimals Ordering Integers Squares, Square roots & Cubes Prime Numbers Factorisation Addition & Subtraction of Fractions	Function Machines Find a rule – one step Find a rule – two step Forming expressions Substitution Formulae Collecting Like Terms Forming equations Solve simple one-step equations Solve two-step equations Find pairs of values Expanding Brackets	Draw accurate triangles and quadrilaterals find unknown angles (including parallel lines) Length & Area - Parallelograms Trapeziums	Comparing Quantities Ratio & Proportion Percentage Change DT&S Units & Measuring	Tables Bar Charts Graphs Pictograms Pie Charts	Rounding Sig Figs (Circumference of a circle) 3D shapes & Nets Surface Area & Volume of Cuboids, prisms, cylinders & composite solids
Assessment	Pupils knowledge and understanding is supported and assessed through the use of formative and summative assessments, ensuring our pupils know more and remember more.					

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 9	**Number & Arithmetic**	**Ratio & Proportion**	**Algebraic Expressions**	**Geometry & Measure** **Angles / shapes**	**Probability**	**Statistics**
Knowledge & Skills	Place Value Ordering Decimals & Integers Calculations with Negative Numbers Indices Powers & Roots & Primes Factors Multiples Fractions BIDMAS	Reciprocals Indices & Standard Form Powers Laws Fractions Fractions, Decimals & Percentages Comparing Quantities using Fractions and Ratios Ratio Proportion	Simplifying Expressions Expressions with Brackets Factorising Equations & Inequalities Writing Formulas Substituting into a formula Arithmetic Sequencing Generating Terms Nth Term	Angle Rules / facts Parallel lines property of shape 2D Shapes Angles in Polygons Properties of 3D shapes Perimeter / Area / Volume Pythagoras' Theorem Circles Cylinders Cones & Spheres	Probability Scale Probability Experiments Theoretical Probabilities Construction Transformations Rotation Reflection Enlargements Combinations Loci Bearings	Tables Charts & Graphs Scatter Graphs Pie Charts Real life graphs Straight Line Graphs **Revisit Algebra** Position to term Rule Coordinates
Assessment	Pupils knowledge and understanding is supported and assessed through the use of formative and summative assessments, ensuring our pupils know more and remember more.					