

		Autumn 1						Autumn 2							
Key Stage 3	7	Place Value	Powers, Roots, Negative Numbers, Order of Operations		Simplifying	Expanding Single Brackets	Substitution	Calculating with Decimals	Rounding and Estimation	Maths Week	Factors, Multiples and Primes		Constructing Triangles		
	8	Negative Numbers		Substitution	Indices	Expanding Brackets	Factorisation	Angles in Parallel Lines	Standard Form	Maths Week	Solving Equations		Enlargement	Scales and Bearings Plans and Elevations	
	9	Prime Factors, HCF, LCM	Indices, including negative indices	Introduction to Surds	Simplifying using Index Laws	Expanding Brackets: Two Linear, Double and Triple		Formulae	Factorise and Solve Quadratic Equations		Pythagoras' Theorem	Frequency Trees and Two Way Tables	Ratio	Bisectors and Loci	
Key Stage 4	10F	Rounding, Estimation and Error Intervals		Perimeter, Area and Volume		Indices	Representing Data		Algebraic Manipulation: Simplifying, Expanding and Factorising, Substitution		Properties of Shape, Angle Facts and Angles in Parallel Lines		Sequences	Plans and Elevations	
	10H	Rounding, Estimation and Bounds		Volume		Representing and Interpreting Data	Algebraic Manipulation: Expanding and factorising, simplifying algebraic fractions, Substitution, Introducing function notation		Angles: Polygons, Parallel Lines and Circle Theorems		Fractional Indices and Surds		Sequences	Plans and Elevations	
	11F	Probability		Ratio		Angles in Polygons	Bearing and Scale	Interpreting Data	Linear Inequalities	Proportion	Mock Exams		Arcs and Sectors	Surface Area	HCF and LCM
	11H	Probability		Further Trigonometry		Ratio	Composite Functions	Histograms	Circle Theorems 2	Cumulative Frequency and Box Plots	Mock Exams		Cubic, Exponential, Reciprocal and Trigonometric Graphs and Graph Transformations		Circle Geometry

		Spring 1					Spring 2					
Key Stage 3	7	Solving Equations		Properties of Shape	Basic Angle Facts	Percentages		Ratio		Probability of Single Events	Averages and Range	
	8	Ratio		Compound Units	Area and Circumference of a Circle		Volume of a Prism and Cylinder	Calculating Fractions		Percentages		Understanding Gradient
	9	Addition and Subtraction: All number types, including fractions, surds and standard form		Circumference and Arc Length	Linear Graphs			Cumulative Frequency and Box Plots		Angles in Polygons	Multiplication and Division: All number types, including fractions, surds and standard form	
Key Stage 4	10F	Quadratic Equations and Graphs		Percentage Change		Changing the Subject		Pythagoras' Theorem and Trigonometry		Linear Graphs		Work Experience
	10H	Quadratic Equations and Graphs			Growth and Decay		Changing the Subject and Inverse Functions	Compound Measures (Combining)	Algebraic Proportion	Linear Graphs and Inequalities		Work Experience
	11F	Volume	Forming Expressions and Equations	Real Life Graphs	Right Angled Triangles		Cubic and Reciprocal Graphs	Mock Exams		Constructions and Loci		Revision
	11H	Vectors and Geometric Proof	Iteration	Real Life Graphs including Gradient of and Area under a Curve		Surface Area	Quadratic Inequalities	Mock Exams		Algebraic Fractions	Proportion including Capture Recapture	Algebraic Proof

		Summer 1						Summer 2					
Key Stage 3	7	Metric Units	Calculating with Fractions		Area	Volume and Surface Area of Cuboids	Coordinates	FDP Conversion and Ordering	Reflection, Rotation and Translation		Presenting Data: Comparative Bar Charts, Pictograms, Pie Charts		
	8	Inequalities	Exploring FDP	Sequences	Linear Graphs	Quadratic Graphs	Averages from Grouped Frequency Tables	Presentation of Data: Scatter Graphs, Stem and Leaf Diagrams, Frequency Polygons		Probability of Multiple Events		Real Life Graphs	
	9	Reverse Percentages	Proportion	Compound Measures	Area of Sectors	Surface Area	Venn Diagrams	Congruence, Similarity and Trigonometry		My Money Week	Solving Equations involving Fractions	Non-Linear Graphs	
Key Stage 4	10F	Solving Linear and Simultaneous Equations		Standard Form	Compound Measures	Direct Proportion	Inverse Proportion	Column Vectors and Transformations	Mock Exams	My Money Week	Similarity	Ordering FDP	
	10H	Pythagoras' Theorem and Trigonometry in 2D and 3D			Solving Linear and Quadratic Simultaneous Equations			Column Vectors and Transformations	Mock Exams	My Money Week	Similarity	Recurring Decimals	
	11F	Revision and Exams						Revision and Exams					
	11H	Congruence	Construction and Loci	Revision and Exams				Revision and Exams					