		Autumn 1	Autumn 2

Key Stage 3

Year 7
- Autumn 1: Place Value · Powers, Roots, Negative Numbers, Order of Operations · Simplifying · Expanding Single Brackets · Substitution · Calculating with Decimals
- Autumn 2: Rounding and Estimation · Maths Week · Factors, Multiples and Primes · Constructing Triangles · Percentages

Year 8
- Autumn 1: Negative Numbers · Substitution · Indices · Expanding Brackets · Factorisation · Angles in Parallel Lines · Standard Form
- Autumn 2: Circles · Maths Week · Solving Equations · Scales and Maps · Bearings

Year 9
- Autumn 1: Prime Factors, HCF, LCM · Indices, including negative indices · Simplifying using Index Laws · Introduction to Surds · Using and Rearranging Formulae · Frequency Trees and Two Way Tables
- Autumn 2: Factorise and Solve Quadratic Equations · Pythagoras' Theorem · Compound Units · Column Vectors

Key Stage 4

10F
- Autumn 1: Rounding, Estimation and Error Intervals · Perimeter, Area and Volume · Algebraic Manipulation: Simplifying, Expanding and Factorising, Substitution · Standard Form
- Autumn 2: Properties of Shape, Angle Facts and Angles in Parallel Lines · Indices · Sequences · Ordering Fractions, Decimals and Percentages

10H
- Autumn 1: Rounding, Estimation and Bounds · Volume and Surface Area · Algebraic Manipulation: Expanding and factorising, simplifying algebraic fractions, Substitution, Introducing function notation
- Autumn 2: Angles: Polygons, Parallel Lines and Circle Theorems 1 · Indices · Sequences · Recurring Decimals

11F
- Autumn 1: Probability · Ratio · Angles in Polygons · Forming Expressions and Equations · Bearings and Scale
- Autumn 2: Linear Inequalities · GCSE Ready Week 1 · Mock Exams · Interpreting Data · Arcs and Sectors

11H
- Autumn 1: Probability · Further Trigonometry · Ratio · Histograms · Cumulative Frequency and Box Plots
- Autumn 2: Circle Theorems 2 · GCSE Ready Week 1 · 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	Ratio and Proportion	Probability	Careers Week: Wedding Planner	Averages and Range	Fractions		Metric Units
	8	Ratio	Volume	Percentages	Enlargement	Plans and Elevations	Mixed Numbers	Careers Week: Landscape Gardener	Gradient	Inequalities	Terminating and Recurring Decimals	Sequences
	9	Cumulative Frequency and Box Plots	Linear Graphs		Surface Area		Careers Week: Data Analyst	Angles in Polygons	Reverse Percentages	Solving Equations involving Fractions	Bisectors and Loci
Key Stage 4	**10F**	Quadratic Equations and Graphs	Representing Data	Changing the Subject	Direct and Inverse Proportion		Careers Week: Set Designer	Linear Graphs and Inequalities	Compound Measures		Work Experience
	10H	Quadratic Equations and Graphs	Surds	Changing the Subject and Inverse Functions	Algebraic Proportion		Careers Week: Set Designer	Linear Graphs and Inequalities	Compound Measures and Capture-Recapture		Work Experience
	11F	Surface Area and Volume	Right Angled Triangles		Cubic and Reciprocal Graphs	Mock Exams	Mock Exams / Careers Week	Proportion	Real Life Graphs	Constructions and Loci	Revision
	11H	Vectors and Geometric Proof	Iteration	Real Life Graphs including Gradient of and Area under a Curve	Quadratic Inequalities	Mock Exams	Mock Exams / Careers Week	Algebraic Fractions	Algebraic Proof	Congruence	Constructions and Loci	Revision

		Summer 1			Summer 2				
Key Stage 3	**7**	Area and Perimeter	Volume and Surface Area of Cuboids	Coordinates	FDP Conversion and Ordering	Reflection, Rotation and Translation			Presenting Data: Comparative Bar Charts, Pictograms, Pie Charts
	8	Linear and Quadratic Graphs	Averages from Grouped Frequency Tables	Presentation of Data: Stem and Leaf Diagrams	Presentation of Data: Scatter Graphs, Frequency Polygons, Pie Charts	Probability of Multiple Events			Real Life Graphs
	9	Standard Form	Congruence, Similarity and Trigonometry		Arcs and Sectors	My Money Week	Venn Diagrams	Tree Diagrams	Non-Linear Graphs
Key Stage 4	**10F**	Right Angled Triangles: Pythagoras' Theorem and Trigonometry	Solving Linear and Simulataneous Equations		Similarity	Percentages	Mock Exams	My Money Week: Profit, Loss, Compound Interest, Growth and Decay	Transformations
	10H	Right Angled Triangles: Pythagoras' Theorem and Trigonometry in 2D and 3D	Solving Linear and Quadratic Simulataneous Equations		Similarity	Composite Functions	Mock Exams	My Money Week: Percentages, Compound Interest, Growth and Decay	Transformations
	11F	GCSE Ready Week 2	Revision and Exams		Revision and Exams				
	11H	GCSE Ready Week 2	Revision and Exams		Revision and Exams				