

Mathematics: Key Stage 4 OVERVIEW

	Term 1	Term 2	Term 3
Year 9	<i>Unit 1: Number</i> <ul style="list-style-type: none"> Number properties and indices Standard form Surds 	<i>Unit 3: Interpreting and representing data</i> <ul style="list-style-type: none"> Statistical diagrams Averages and range Interpreting and analysing data 	<i>Unit 5: Angles and trigonometry</i> <ul style="list-style-type: none"> Angle properties of polygons Pythagoras Theorem Trigonometry
	<i>Unit 4: Fractions, ratio and percentages</i> <ul style="list-style-type: none"> Fractions Ratio and proportion Percentages 	<i>Unit 2: Algebra</i> <ul style="list-style-type: none"> Expanding and factorising Equations and formula Sequences 	<i>Unit 7: Area and volume</i> <ul style="list-style-type: none"> Area and perimeter of 2D shapes Circles Volume, surface area of 3D shapes
Year 10	<i>Unit 8: Transformations and construction</i> <ul style="list-style-type: none"> Transformations Constructions and loci Bearings and scale drawings 	<i>Unit 12: Similarity and congruence</i> <ul style="list-style-type: none"> Congruence Similarity Geometric proof 	<i>Unit 6: Graphs</i> <ul style="list-style-type: none"> Linear graph Rates of change Quadratic, cubic, reciprocal graphs
	<i>Unit 10: Probability</i> <ul style="list-style-type: none"> Probability Tree diagrams Set notation 	<i>Unit 14: Statistics</i> <ul style="list-style-type: none"> Sampling and populations Cumulative frequency and box plots Histograms 	<i>Unit 9: Equations and inequalities</i> <ul style="list-style-type: none"> Quadratic equations Simultaneous equations
	<i>Unit 11: Multiplicative reasoning</i> <ul style="list-style-type: none"> Growth and decay Compound measures Ratio and proportion 		
Year 11	<i>Unit 15: Equations and graphs</i> <ul style="list-style-type: none"> Graphical solutions Representing inequalities Graphs of cubics 	<i>Unit 18: Vectors and proof</i> <ul style="list-style-type: none"> Vectors Geometric proof 	Preparation for examinations
	<i>Unit 13: Advanced trigonometry</i> <ul style="list-style-type: none"> Graphs of trigonometric functions Sine and cosine rules Transforming graphs 	<i>Unit 17: Advanced algebra</i> <ul style="list-style-type: none"> Algebraic fractions Surds Functions Proof 	
	<i>Unit 16: Circle theorems</i> <ul style="list-style-type: none"> Properties of circles Angles in circles Applying circle theorems 	<i>Unit 19: Proportion and graphs</i> <ul style="list-style-type: none"> Direct and inverse proportion Exponential functions Non linear functions Transformations of graphs 	