



# SIR GRAHAM BALFOUR SCHOOL

## CURRICULUM OVERVIEW – KEY STAGE 4 MATHEMATICS DELTA



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	<b>Algebra</b> Factorising, Expanding and Solving  <b>Number</b> Percentage problems  <b>Shape and Measures</b> Constructions, loci and congruence	<b>Number</b> Exact answers and surds  <b>Data Handling</b> Probability  <b>Shape and Measures</b> Pythagoras Theorem and Trigonometry	<b>Algebra</b> Changing the subject  <b>Shape and Measures</b> Circle Theorem  <b>Data Handling</b> Cumulative frequency	<b>Algebra</b> Straight line graphs  <b>Shape and Measures</b> Cylinders, cones, pyramids and spheres  <b>Algebra</b> Simultaneous equations and inequalities	<b>Shape and Measures</b> Compound Units  <b>Shape and Measures</b> Trigonometry in non-right-angled triangles	<b>Shapes and Measures</b> Similar shapes  <b>Algebra</b> Direct and inverse proportion
Year 11	<b>Algebra</b> Algebraic fractions  <b>Number</b> Upper and lower bounds  <b>Algebra</b> Quadratic functions	<b>Shape and Measures</b> Applications of Pythagoras' Theorem and trigonometry in 3D  <b>Algebra</b> Further simultaneous equations  <b>Algebra</b> Curved graphs	<b>Data Handling</b> Histograms  <b>Algebra</b> Functions and transforming graphs  <b>Shape and Measures</b> Vectors	<b>Revision</b>		