



Year 10 Maths Curriculum		
Autumn Term	Spring Term	Summer Term
Autumn 1	Spring 1	Summer 1
Calculations Place value, rounding, four operations Expressions Simplifying, indices, expanding and factorising, algebraic fractions	Fractions decimals and percentages Converting between fractions decimals and percentages, calculating with fractions decimals and percentages Formulae and functions Rearranging formulae, function notation, inverse and composite functions, equivalences in algebra, expanding and factorising	Measures and accuracy Estimation, error intervals, calculator methods Circles and constructions Areas of circles, circle theorems, constructions and loci
Autumn 2	Spring 2	Summer 2
Angles and polygons Angle rules, triangles and quadrilaterals, congruence and similarity, angles in polygons, bearings Revision Winter exam	Equations and inequalities Solving linear and quadratic equations, simultaneous equations, iteration Working in 2D Areas, transformations	Ratio and proportion Proportion, ratio, scales, percentage change Revision Summer exam
Year 11 Maths Curriculum		
Autumn Term	Spring Term	Summer Term
Autumn 1	Spring 1	Summer 1
Factors powers and roots	Working in 3D Volume of a prism, surface area	



<p>Prime factor decomposition, working with powers and roots, surds</p> <p>Graphs 1 Equations of straight lines, graphs of quadratic functions</p>	<p>Calculations Calculating with roots and indices, standard form</p> <p>Sequences Linear and quadratic sequences, Fibonacci and geometric sequences</p>	
<p>Autumn 2</p> <p>Graphs 2 cubic, exponential, trigonometric, reciprocal functions, gradients and areas under graphs, equation of a circle</p> <p>Pythagoras, trigonometry and vectors Pythagoras' theorem, sin cos tan in right angled triangles, sine and cosine rules, vectors</p>	<p>Spring 2</p> <p>Compound units and proportionality Compound units, converting between units, direct and inverse proportion, rates of change, growth and decay</p> <p>Revision</p>	<p>Summer 2</p>