



Year 10 FOUNDATION						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Content:</b> What will students know	Integers and place value Decimals Indices, powers and roots Factors, multiples and primes	Algebra: the basics Expressions and substitution into formulae	Tables, charts and graphs Pie charts Scatter graphs Fractions, decimals and percentages	Percentages Equations and inequalities Sequences	Properties of shapes, parallel lines and angle facts Interior and exterior angles of polygons Statistics, sampling and the averages Perimeter, area and volume	Real-life graphs Straight-line graphs Transformations
<b>Skills:</b> What will students be able to do	Construct and present mathematical arguments through appropriate use of diagrams; sketching graphs; logical deduction; precise statements involving correct use of symbols and connecting language, including: constant, coefficient, expression, equation, function, identity, index, term, variable.					
<b>Other:</b> Literacy/Numeracy/Ethos	Further Mathematical vocabulary is introduced and assessed through the year					
<b>Assessment:</b>	Half-termly test	Half-termly test	Half-termly test	Half-termly test	EOY exam	Half-termly test



Year 11 FOUNDATION						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Content:</b> What will students know	Ratio Proportion Right-angled triangles: Pythagoras and trigonometry	Probability Multiplicative reasoning Plans and elevations Constructions, loci and bearings	Quadratic equations: expanding and factorising Quadratic equations: graphs Circles, cylinders, cones and spheres Fractions and reciprocals	Indices and standard form Similarity and congruence in 2D Vectors	Rearranging equations Graphs of cubic and reciprocal functions Simultaneous equations	Exam technique
<b>Skills:</b> What will students be able to do	Understand and use mathematical language and syntax as set out in the content. Understand and use language and symbols associated with set theory, as set out in the content. Apply to solutions of inequalities and probability.					
<b>Other:</b> Literacy/Numeracy/Ethos	Mathematical vocabulary is introduced and assessed through the year					
<b>Assessment:</b>	Half-termly test	Half-termly test	Half-termly test	Mock Exam	Half-termly test	External Exams