

### Year 11 FOUNDATION Maths Curriculum Map 2022

	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

### Year 11 HIGHER Maths Curriculum Map 2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Content:</b> What will students know	Graphs of trigonometric functions Further trigonometry Collecting data Cumulative frequency, box plots and histograms	Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics Circle theorems Circle geometry	Changing the subject of formulae (more complex) Algebraic fractions, solving equations arising from algebraic fractions Rationalising surds, Proof	Vectors and geometric proof Reciprocal and exponential graphs Gradient and area under graphs Direct and inverse proportion	Remaining content based upon setting	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