

Key Stage 4 – YEAR 11 MATHS FOUNDATION – 2022-2023
Curriculum Map for Students

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Topic Overview	Unit 12 – Right angled triangles Unit 13 – Probability	Unit 14 – Multiplicative Reasoning Unit 15 – Constructions, Loci and Bearings Mock Preparation	Unit 16 – Quadratic Equations and Graphs Unit 17 – Perimeter, Area and Volume Unit 18 – Fractions, Indices and Standard Form	Unit 19 – Congruence, Similarity and Vectors Unit 20 – More Algebra	Revision and Exam Preparation
Focus	Unit 12 – Pythagoras' Theorem. Using trigonometry to find lengths and angles. Unit 13 – Calculating probability. Mutually exclusive events. Experimental probability. Tree diagrams. Venn diagrams.	Unit 14 – Percentages change. Growth and decay. Compound measures. Direct and inverse proportion. Unit 15 – Plans and Elevations. Scale drawings and maps. Constructions. Loci and regions. Bearings.	Unit 16 – Expanding double brackets. Plotting and using quadratic graphs. Factorising quadratic expressions. Solving quadratic equations. Unit 17- Circumference and Area of circles and sectors. Cylinders, cones, pyramids and spheres. Unit 18 – Multiplying and dividing fractions. Laws of indices. Standard form.	Unit 19 – Similarity of 2D shapes. Enlargement scale factors. Congruence. Vectors. Unit 20 – Graphs of cubic and reciprocal functions. Non- linear graphs. Simultaneous equations. Rearranging formulae.	Topics focused on will be led by the gaps in students' knowledge.
Assessment	<i>Unit test at the end of each topic.</i>	<i>Unit test at the end of each topic.</i> <i>Mock Exam</i>	<i>Unit test at the end of each topic.</i>	<i>Unit test at the end of each topic.</i>	<i>GCSE Examination</i>

