Year 11 Curriculum Grid
MATHS (FOUNDATION)

Year/term	Unit of work	Intent
	This is adapted as needed for students who follow the Entry Level Course	
Autumn 1	Algebra	• Using index laws • Expanding and Factorising algebraic expressions • Using Formulae
	Geometry	• The names, properties and angles of regular polygon
	Number	• Factors, multiples and primes • Solving problems involving HCF and LCM
	Similarity and congruence	• Recognising and using the properties of congruent and similar shapes • Using scale factors, both on shapes and with real life examples
	Data and Charts	• Review work on tables, charts and graphs from year 9 and 10 • Time series graphs
Autumn 2	Number	• Using laws of indices • The correct order of operations • Using calculators efficiently
	Number	• Working with mixed fractions including reciprocals
	Number (standard form)	• converting numbers into and out of standard form • calculating with numbers in standard form (calc and non-calc)
	Geometry	• Perimeter, area and volume • Converting between metric measures
Spring 1	Ratio and proportion	• Simplifying and using ratio • Direct proportion including best buy problems
	Probability	• Using relative frequency • Sample space diagrams • Venn diagrams • Tree diagrams
	Geometry	• Standard constructions • Using construction to solve loci problems • Using scale drawing and scales (on maps) • Using bearings
	Pythagoras theorem	• Pythagoras Theorem • Extend to Trigonometry of right-angled triangles (if appropriate)
Spring 2	Graphs	• Using real life graphs • Using the equation of a straight line
	Transformations	• Review of all transformations • Using a scale factor and centre to draw enlargements

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Summer 1	Number	• Revisit work on fractions, decimals and percentages as needed
	Geometry	• Review of all area work as needed
	Vectors	• Understanding and using vector notation
	Mastery of foundation topics using mock exams to inform teaching	