Curriculum Summary Document
Year 11 Mathematics (Foundation)

Module/Unit of Learning	Term Taught	What will students learn?	What does this prepare students for?	Links to other subjects
To construct and gain insight from scatter graphs	Autumn	Plot Scatter graphs; Describe relationships and correlation; Draw and use lines of best fit.	Standard deviation.	Science; Business.
To understand equations and how they can be represented as graphs	Autumn	Linear and quadratic graphs and equations.	Differentiation and integration.	Finance
Solving simultaneous equations	Autumn	Solve simultaneous equations including non-linear.	Calculating equations of tangents to curves, including circles.	
Sketching Graphs	Autumn	Find intersections with x-axis and y-axis; Find the turning points; Know the shapes of different graphs.	Domain and range of a function.	
To understand and solve problems using direct and inverse proportion	Spring	Tables of values, graphs and equations involving direct and inverse proportion.	Complex proportion equations.	
To understand the difference between an equation and an inequalities.	Spring	Represent inequalities on number lines and on graphs.	Linear programming.	Business.
To be able to use statistical measures to answer questions	Spring	Compare sets of data using spread and central tendency.	A Level Statistics.	Business; Science.
To use vectors to solve problems	Spring	Vector notation; Vector geometry including proofs of parallel lines	Complex vector geometry problems.	