

## KS4 – Year 11 – Mathematics Foundation

Term	Topic Titles	Brief Overview
<b>1</b>	F12 - Probability	Calculate probabilities for single or multiple events happening, including experimental data.
	F12 - Solving quadratic equations	Solve quadratic equations by factorising.
	F13 - Inequalities	Solve and represent linear inequalities using algebraic methods.
	F13 - Measures	Use standard units for measures and understand compound measures in a variety of contexts.
	F14 - Simultaneous equations	Solve simultaneous equations algebraically and graphically.
	F14 - Trigonometry	Understand, use and apply trigonometry to right-angled triangles, including exact values.
	F14 - Growth and decay	Understand and use powers with percentages to calculate growth and decay.
<b>2</b>	F15 - Curved graphs	Recognise, sketch and interpret quadratic, cubic and reciprocal graphs.
	F16 - Direct and inverse proportion	Use algebraic methods to solve direct and inverse proportion problems.
	F16 - Vectors	Understand, use and apply vector notation.
	F17 - Constructions and loci	Use mathematical equipment to construct accurate representations of 2D shapes, and understand and use loci in a variety of contexts.