

## Curriculum Overview – GCSE Foundation Tier Maths

Year 10					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Angles Scale diagrams and bearings Number, factors and multiples Algebra rules Fractions Coordinates and linear graphs	Decimals and rounding Collecting and representing data Sequences	Percentages Perimeter and area Circumference and area Real life graphs	Ratio and proportion Properties of polygons Solving equations Indices Standard form	Basic probability Transformations Congruence and similarity 2D representations of 3D shapes	Calculating with percentages Measures Statistical measures Constructions and loci
Year 11					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	
Combining probability Volume Algebra: quadratics, rearranging, identities Scatter graphs	Inequalities Pythagoras' theorem Simultaneous equations Algebra and straight line graphs	Algebra and curved graphs Sketching graphs Direct and inverse proportion	Trigonometry Solving quadratic equations Quadratic graphs	Growth and decay Vectors	

## Curriculum Overview – GCSE Higher Tier Maths

Year 10					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Angles, scale diagrams and bearings Number, factors and multiples Algebra rules and review Fractions and decimals Coordinates and linear graphs	Decimals and rounding Collecting and representing data Sequences Basic percentages	Perimeter and area Circumference and area Real life graphs Ratio and proportion Properties of polygons	Solving equations Indices and surds Basic probability Standard form Measures	Transformations Congruence and similarity 2D representations of 3D shapes Calculating with percentages	Statistical measures Constructions and loci
Year 11					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	
Combining probability Volume algebra: quadratics, rearranging, identities. Scatter graphs. Numerical methods	Equation of a circle Further equations and graphs. Simultaneous equations	Sketching graphs Direct and inverse proportion Inequalities Pythagoras' theorem and basic trigonometry	Growth and decay Vectors Transforming functions Sine and cosine rules Circle theorems	Gradients and rates of change Pre-calculus and area under a curve algebraic fractions	