GCSE Mathematics – Teaching schedule

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	**Foundation** • Statistics and sampling • The averages • Perimeter and area **Higher** • Trigonometry • Graphs: the basics and real-life graphs • Linear graphs and coordinate geometry	**Foundation** • 3D forms and volume • Real-life graphs • Straight-line graphs **Higher** • Quadratic, cubic and other graphs • Perimeter, area and circles • 3D forms and volume, cylinders, cones and spheres	**Foundation** • Transformations 1 Translations, rotations and reflections. • Transformations II: enlargements and combinations • Ratio **Higher** • Accuracy and bounds • Transformations	**Foundation** • Proportion • Right-angled triangles: Pythagoras and trigonometry **Higher** • Constructions, loci and bearings • Solving quadratic and simultaneous equations • Inequalities	**Foundation** • Probability I • Probability II **Higher** • Probability • Multiplicative reasoning	**Foundation** • Multiplicative reasoning **Higher** • Congruence in 2D and 3D

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 11	**Foundation** • Plans and elevations • Constructions, loci and bearings • Quadratic equations: expanding and factorising **Higher** • Similarity and congruence in 2D and 3D (continued) • Graphs of trigonometric functions • Further trigonometry	**Foundation** • Quadratic equations: graphs • Circles, cylinders, cones and spheres **Higher** • Collecting data • Cumulative frequency, box plots and histograms • Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics	**Foundation** • Fractions and reciprocals • Indices and standard form • Similarity and congruence in 2D **Higher** • Circle theorems • Circle geometry • Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof	**Foundation** • Vectors • Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations **Higher** • Vectors and geometric proof • Reciprocal and exponential graphs; gradient and area under graphs • Direct and inverse proportion	**Foundation** Review and prepare for GCSE exams **Higher** Review and prepare for GCSE exams	