



VISION

At Nobel we work hard to give students the confidence to acquire mathematical skills that they can use throughout their lifetime, we hope students can share our love of mathematics and enjoy the challenge it is able to offer.

	Foci	Assessment	<u>Knowledge Organiser</u>
Unit 1	<ul style="list-style-type: none"> • Calculations, checking and rounding • Indices, roots, reciprocals and hierarchy of operations • Factors, multiples, primes, standard form and surds 	End of Unit Test	<u>Unit 1 Knowledge Organiser</u>
Unit 2	<ul style="list-style-type: none"> • Algebra: the basics, setting up, rearranging and solving equations • Sequences 	End of Unit Test	<u>Unit 2 Knowledge Organiser</u>
Unit 3	<ul style="list-style-type: none"> • Averages and range • Representing and interpreting data and scatter graphs 	End of Unit Test	<u>Unit 3 Knowledge Organiser</u>
Unit 4	<ul style="list-style-type: none"> • Fractions and percentages • Ratio and proportion 	End of Unit Test	<u>Unit 4 Knowledge Organiser</u>
Unit 5	<ul style="list-style-type: none"> • Polygons, angles and parallel lines • Pythagoras' Theorem and trigonometry 	End of Unit Test	<u>Unit 5 Knowledge Organiser</u>
Unit 6	<ul style="list-style-type: none"> • Graphs: the basics and real-life graphs • Linear graphs and coordinate geometry • Quadratic, cubic and other graphs 	End of Unit Test	<u>Unit 6 Knowledge Organiser</u>



	Foci	Assessment	<u>Knowledge Organiser</u>
Unit 7	<ul style="list-style-type: none">• Perimeter, area and circles• 3D forms and volume, cylinders, cones and spheres• Accuracy and bounds	End of Unit Test	<u>Unit 7 Knowledge Organiser</u>
Unit 8	<ul style="list-style-type: none">• Transformations• Constructions, loci and bearings	End of Unit Test	<u>Unit 8 Knowledge Organiser</u>
Unit 9	<ul style="list-style-type: none">• Solving quadratic and simultaneous equations• Inequalities	End of Unit Test	<u>Unit 9 Knowledge Organiser</u>
Unit 10	<ul style="list-style-type: none">• Probability	End of Unit Test	<u>Unit 10 Knowledge Organiser</u>
Unit 11	<ul style="list-style-type: none">• Multiplicative reasoning	End of Unit Test	<u>Unit 11 Knowledge Organiser</u>
Unit 12	<ul style="list-style-type: none">• Similarity and congruence in 2D and 3D	End of Unit Test End of Year Test Assessing Units 1-12	<u>Unit 12 Knowledge Organiser</u>



	Foci	Assessment	<u>Knowledge Organiser</u>
Unit 13	<ul style="list-style-type: none">• Graphs of trigonometric functions• Further trigonometry	End of Unit Test	<u>Unit 13 Knowledge Organiser</u>
Unit 14	<ul style="list-style-type: none">• Collecting data• Cumulative frequency, box plots and histograms	End of Unit Test	<u>Unit 14 Knowledge Organiser</u>
Unit 15	<ul style="list-style-type: none">• Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics	End of Unit Test Mock Testing Units 1-15	<u>Unit 15 Knowledge Organiser</u>
Unit 16	<ul style="list-style-type: none">• Circle theorems• Circle geometry	End of Unit Test	<u>Unit 16 Knowledge Organiser</u>
Unit 17	<ul style="list-style-type: none">• Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof	End of Unit Test	<u>Unit 17 Knowledge Organiser</u>
Unit 18	<ul style="list-style-type: none">• Vectors and geometric proof	End of Unit Test	<u>Unit 18 Knowledge Organiser</u>
Unit 19	<ul style="list-style-type: none">• Reciprocal and exponential graphs; Gradient and area under graphs• Direct and inverse proportion	GCSE Exam 1 Non-Calculator Paper 2 Calculator Papers Edexcel Exam Board	<u>Unit 19 Knowledge Organiser</u>