



VISION: "The mathematics department strives to give students the confidence to acquire and use mathematical skills that will stand them in good stead throughout their lifetime. The department seeks to achieve excellence in the teaching and learning of mathematics, in order for the students to make significant progress, irrespective of their prior attainment in this fascinating, fun and varied subject. As a core subject, studied by all students throughout their time at school, we believe maths is one of the most important and interesting in the curriculum. We hope that the passion we have for mathematics is contagious and that students can learn to enjoy the challenge it is able to offer to all of us."

	Foci	Assessment	Knowledge Organiser
Unit 1	Algebraic Expressions	End of topic test	<u>Knowledge Organiser</u>
Unit 2	Quadratics	End of topic test	<u>Knowledge Organiser</u>
Unit 3	Equations and inequalities	End of topic test	<u>Knowledge Organiser</u>
Unit 4	Graphs and transformations	End of topic test	<u>Knowledge Organiser</u>
Unit 5	Straight Line Graphs	End of topic test	<u>Knowledge Organiser</u>



Unit 6	Circles	End of topic test	<u>Knowledge Organiser</u>
Unit 7	Algebraic Methods	End of topic test	<u>Knowledge Organiser</u>
Unit 8	The Binomial Expansion	End of topic test	<u>Knowledge Organiser</u>
Unit 9	Trigonometric Ratios	End of topic test	<u>Knowledge Organiser</u>
Unit 10	Trigonometric Identities and Equations	End of topic test	<u>Knowledge Organiser</u>
Unit 11	Vectors	End of topic test	<u>Knowledge Organiser</u>
Unit 12	Differentiation	End of topic test	<u>Knowledge Organiser</u>



Unit 13	Integration	End of topic test	<u>Knowledge Organiser</u>
Unit 14	Exponentials and Logarithms	End of topic test	<u>Knowledge Organiser</u>
Unit 15	Data Collection	End of topic test	<u>Knowledge Organiser</u>
Unit 16	Measures of Location and Spread	End of topic test	<u>Knowledge Organiser</u>
Unit 17	Representation of Data	End of topic test	<u>Knowledge Organiser</u>
Unit 18	Correlation	End of topic test	<u>Knowledge Organiser</u>
Unit 19	Probability	End of topic test	<u>Knowledge Organiser</u>



Unit 20	Statistical Distributions	End of topic test	<u>Knowledge Organiser</u>
Unit 21	Hypothesis Testing	End of topic test	<u>Knowledge Organiser</u>
Unit 22	Modelling in Mechanics	End of topic test	<u>Knowledge Organiser</u>
Unit 23	Constant Acceleration	End of topic test	<u>Knowledge Organiser</u>
Unit 24	Forces and Motion	End of topic test	<u>Knowledge Organiser</u>
Unit 25	Variable Acceleration	End of topic test	<u>Knowledge Organiser</u>
Unit 26	Algebraic Methods	End of topic test	<u>Knowledge Organiser</u>



Unit 27	Functions and Graphs	End of topic test	<u>Knowledge Organiser</u>
Unit 28	Sequences and Series	End of topic test	<u>Knowledge Organiser</u>
Unit 29	Binomial Expansion	End of topic test	<u>Knowledge Organiser</u>
Unit 30	Radians	End of topic test	<u>Knowledge Organiser</u>
Unit 31	Trigonometric Functions	End of topic test	<u>Knowledge Organiser</u>
Unit 32	Trigonometric Modelling	End of topic test	<u>Knowledge Organiser</u>
Unit 33	Parametric Equations	End of topic test	<u>Knowledge Organiser</u>



Unit 34	Differentiation	End of topic test	<u>Knowledge Organiser</u>
Unit 35	Numerical Methods	End of topic test	<u>Knowledge Organiser</u>
Unit 36	Integration	End of topic test	<u>Knowledge Organiser</u>
Unit 37	Vectors	End of topic test	<u>Knowledge Organiser</u>
Unit 38	Regression, Correlation and Hypothesis Testing	End of topic test	<u>Knowledge Organiser</u>
Unit 39	Conditional Probability	End of topic test	<u>Knowledge Organiser</u>
Unit 40	Normal Distribution	End of topic test	<u>Knowledge Organiser</u>



Unit 41	Moments	End of topic test	<u>Knowledge Organiser</u>
Unit 42	Friction	End of topic test	<u>Knowledge Organiser</u>
Unit 43	Projectiles	End of topic test	<u>Knowledge Organiser</u>
Unit 44	Applications of Forces	End of topic test	<u>Knowledge Organiser</u>
Unit 45	Further Kinematics	End of topic test	<u>Knowledge Organiser</u>