KS5 MATHS CURRICULUM MAP 2022/2023

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 12 Exam spec/code EDEXCEL Pure Maths : 8MA0-01 (AS) Statistics and Mechanics : 8MA0-02 (AS)	**Pure Maths** • Algebraic Expressions • Quadratics • Equations and Inequalities • Graph Transformation **Applied (Mechanics)** • Modelling in mechanics • Constant acceleration **Applied (Statistics)** • Measure of location and spread • Statistical distribution	**Pure Maths** • Straight Line Graphs • Circles • Algebraic Methods **Applied (Mechanics)** • Constant acceleration **Applied (Statistics)** • Correlation • Probability	**Pure Maths** • Binomial Expansion 1 • Differentiation 1 • Integration 1 **Applied (Mechanics)** • Force and motion **Applied (Statistics)** • Hypothesis Testing 1	**Pure Maths** • Trigonometric ratios • Trigonometric identities and equations **Applied (Mechanics)** • Force and motion **Applied (Statistics)** • Correlation	**Pure Maths** • Vectors 2D Straight line graphs Circles • Exponentials and Logs **Applied (Mechanics)** • Variable acceleration **Applied (Statistics)** • Representation of data	**Pure Maths** • Partial Fractions • Review Differentiation and Integration • Review Straight Line Graphs • Review Proofs **Applied (Mechanics)** • Review Probability **Applied (Statistics)** • Hypothesis Testing 2
ASSESSMENT	• Bridging Project – summer work. • Suitability Test • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Low stakes Quiz • Weekly Homework • Formula Quiz	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz • Mock Exam	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Threshold Exams - Students sit two AS papers: Pure Mathematics 2hrs Statistics and Mechanics 1hr 15 mins.

KS5 MATHS CURRICULUM MAP 2022/2023

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 13 Exam spec/ code EDEXCEL Pure Maths 1 : 9MA0-01 Pure Maths 2 : 9MA0-02 Statistics and Mechanics : 9MA0-03	**Pure Maths** • Proof By Contradiction • Partial Fractions • Functions and Graphs • Series and Sequences **Applied (Mechanics)** • Forces and friction **Applied (Statistics)** • Normal distribution 1	**Pure Maths** • Binomial Expansion 2 • Radians • Trigonometric Functions **Applied (Mechanics)** • Moments • Application of forces 1 **Applied (Statistics)** • Normal distribution 2	**Pure Maths** • Trigonometry and modelling • Parametric Equation **Applied (Mechanics)** • Application of forces 1 • Projectiles 1 **Applied (Statistics)** Conditional probability 1	**Pure Maths** • Differentiation • Integration **Applied (Mechanics)** • Projectiles 2 • Variable acceleration **Applied (Statistics)** • Conditional probability 2 • Regression 1	**Pure Maths** • Numerical methods • Vectors 3D **Applied (Mechanics)** • Further kinematics **Applied (Statistics)** • Regression 2	**Pure Maths** • Revision for external exams **Applied (Mechanics)** • Revision for external exams **Applied (Statistics)** • Revision for external exams
ASSESSMENT	• Review Summer Project. • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Low stakes Quiz • Formula Quiz • Weekly Homework	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz • Mock Exam	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz • Mock Exam	• Low stakes Quiz • End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Formula Quiz • Mock Exam	• End of Chapter Tests • Modelling Questions • Past Paper booklets with Model solutions • Weekly Homework • Final A2 Exams Students sit three A2 papers on dates as prescribed by exam boards. Pure Mathematics Paper 1 (2 hours) Pure Mathematics Paper 2 (2 hours) Statistics and Mechanics Paper 3(2 hours)