

A-Level Mathematics (Edexcel Specification)

Year 12 Overview

Pure Mathematics – 67% of course content

Statistics
Mechanics } 33% of course content

	Teacher 1 (3 lessons a week)	Teacher 2 (2 lessons a week)	Assessment
HT1	Algebraic Expressions Algebraic Methods Binomial Expansion Graphs & Transformations	Quadratics Equations & Inequalities	Homework marked & DIRT completed.
HT2	Differentiation Integration	Straight Line Graphs Circles Vectors	Homework marked & DIRT completed.
HT3	Data Collection Measures of Location & Spread Representations of Data	Modelling in Mechanics Constant Acceleration	Year 12 Exam Week – February Homework marked & DIRT completed.
HT4	Trigonometric Ratios Trigonometric Identities	Exponentials & Logarithms	Homework marked & DIRT completed.
HT5	Correlation Probability Statistical Distributions Hypothesis Testing	Forces & Motion Variable Acceleration	Homework marked & DIRT completed.
HT6	Overspill for any content not yet covered. Retrieval and revision of content taught throughout the year. Start of Year 13 content if time allows.	Overspill for any content not yet covered. Retrieval and revision of content taught throughout the year. Start of Year 13 content if time allows.	Year 12 Exam Week – June Homework marked & DIRT completed.

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Year 13 Overview

Pure Mathematics – 67% of course content

Statistics
Mechanics

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	Teacher 1 (3 lessons a week)	Teacher 2 (1 lesson a week)	Teacher 3 (1 lesson a week)	Assessment
HT1	Algebraic Methods Functions & Graphs Sequences & Series	Binomial Distribution & Hypothesis Testing	Moments Forces & Friction Projectiles	Homework marked & DIRT completed.
HT2	Binomial Expansion Radians Trigonometric Functions Trigonometry	Correlation Probability		Year 13 Exam Week – December Homework marked & DIRT completed.
HT3	Parametric Equations Differentiation Numerical Methods	Normal Distribution	Application of Forces	Homework marked & DIRT completed.
HT4	Integration Vectors		Further Kinematics	Year 12 Exam Week – Feb / Mar Homework marked & DIRT completed.
HT5	Revision	Revision	Revision	Homework marked & DIRT completed.
HT6	Revision	Revision	Revision	