



CURIOSITY

COMPASSION

COURAGE



Academic outline 2024-25

A Level Mathematics

	Term 1 Aug-Oct	Term 2 Nov-Dec	Term 3 Jan-Feb	Term 4 Mar-Apr	Term 5 Apr-May	Term 6 Jun-Jul
Year 12:	<ul style="list-style-type: none"> • Pure Chapter 1 – Algebraic Expressions Maths Genie Videos • Pure Chapter 2 – Quadratic Functions Maths Genie Videos • Pure Chapter 3 – Equations/Inequalities Maths Genie Videos • Pure Chapter 4 – Graphs/Transformations Maths Genie Videos • Pure Chapter 5 – Straight Line Graphs Maths Genie Videos • Pure Chapter 6 – Circles Maths Genie Videos 	<ul style="list-style-type: none"> • Pure Chapter 9 – Trigonometric ratios and graphs Maths Genie Videos • Pure Chapter 7 – Algebraic Fractions/Factor Theorem/Proof Maths Genie Videos • Pure Chapter 11 – Vectors Maths Genie Videos • Applied Chapter 1 – Statistical Sampling Maths Genie Videos • Applied Chapter 2 – Data presentation and interpretation Maths Genie Videos • Applied Chapter 8 – Quantities and units in mechanics Maths Genie Videos • Applied Chapter 9 – Kinematics 1 Maths Genie Videos 	<ul style="list-style-type: none"> • Pure Chapter 12 – Differentiation Maths Genie Videos • Applied Chapter 3 - Data presentation and interpretation Maths Genie Videos • Applied Chapter 4 - Data presentation and interpretation Maths Genie Videos 	<ul style="list-style-type: none"> • Pure Chapter 10 – Trigonometric ratios and graphs Maths Genie Videos • Pure Chapter 8 – Binomial Expansion Maths Genie Videos • Applied Chapter 5 – Probability Maths Genie Videos • Applied Chapter 10 – Forces and Newton’s laws Maths Genie Videos 	<ul style="list-style-type: none"> • Pure Chapter 13 – Integration Maths Genie Videos • Pure Chapter 14 – Exponentials and Logarithms Maths Genie Videos • Applied Chapter 6 – Statistical Distributions Maths Genie Videos • Applied Chapter 7 – Statistical Hypothesis Testing Maths Genie Videos 	<ul style="list-style-type: none"> • Applied Chapter 11 – Kinematics 2 Maths Genie Videos • Y13 Pure Chapter 1 – Algebraic Methods Maths Genie Videos



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Year 13:	<ul style="list-style-type: none">• Pure Chapter 2 – Functions and Graphs Maths Genie Videos• Pure Chapter 3 – Series and Sequences Maths Genie Videos• Pure Chapter 4 – the binomial theorem Maths Genie Videos• Pure Chapter 5 – Trigonometry (Radians and small angles) Maths Genie Videos• Applied Chapter 1 – Regression and correlation Maths Genie Videos• Applied Chapter 4 – Moments Maths Genie Videos	<ul style="list-style-type: none">• Pure Chapter 8 – Parametric Equations Maths Genie Videos• Pure Chapter 9 – Differentiation Maths Genie Videos• Pure Chapter 6 – Trigonometry (secant, cosecant and cotangent) Maths Genie Videos• Pure Chapter 7 – Trigonometry (Compound and double angle formulae) Maths Genie Videos• Pure Chapter 12 – Vectors (3D) Maths Genie Videos• Applied Chapter 2 – Conditional probability Maths Genie Videos• Applied Chapter 5 – Friction and forces Maths Genie Videos	<ul style="list-style-type: none">• Pure Chapter 10 – Numerical methods Maths Genie Videos• Applied Chapter 3 – The normal distribution Maths Genie Videos• Applied Chapter 6 – Applications of kinematics (Projectiles) Maths Genie Videos• Applied Chapter 7 – Applications of forces Maths Genie Videos	<ul style="list-style-type: none">• Pure Chapter 11 – Integration Maths Genie Videos• Applied Chapter 8 – Further kinematics Maths Genie Videos	Revision	Exams
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