

Year 13 A-Level Maths

Year 13 Subject Curriculum Information



	Key Questions:	Specification:	Skill Focus:
Term 1:	How can we incorporate trig, exp/logs, other functions into calculus? What other trig functions exist and how can we use them?	<ul style="list-style-type: none"> Sequences and series Radian measure Further Binomial expansion Differentiation Parametric equations Integration Trig functions Numerical methods Vectors 	Find/use nth term or sum; work with radians; carry out $(1+x)^n$ expansions; carry out differentiation/integration on trig/exponentials, etc; differentiate/integrate multiplied/divided functions; solve equations using numerical methods; simplify, find magnitude, etc of vectors
Term 2:	How can we further expand Y12 methods in Mechanics/Statistics?	<ul style="list-style-type: none"> Projectiles Moments Variable acceleration Vectors in mechanics Regression/correlation Hypothesis testing Conditional probability Normal Distribution 	Carry out SUVAT calculations on projectiles; find force moments; apply mechanics skills to vectors; find/use the equation of a regression line; find/comment on correlation; carry out Hypothesis testing; calculate probabilities for conditional events; calculate probabilities from normal distributions
Term 3:	REVISION	REVISION	REVISION

Year 13 Subject Assessment Information

Assessment	Time/Venue	What will be assessed?
Mock Exams	<ul style="list-style-type: none"> Half term 3, in exam halls 	<ul style="list-style-type: none"> Pure Y12&13 Stats/Mechanics Y12
Follow up Mock (for U-grades)	<ul style="list-style-type: none"> Half term 3, in exam halls 	<ul style="list-style-type: none"> Pure Y12&13 Stats/Mechanics Y12
Final mock	<ul style="list-style-type: none"> Half term 4, in class 	<ul style="list-style-type: none"> Full Pure, Stats, Mechanics mocks

