Year 12 A-Level Further Maths

Year 12 Subject Curriculum Information

	Key Questions:	Specification:	Skill Focus:
Term 1:	What is a complex number and how do we represent them on an argand diagram? Can you find the complex roots of cubic or quartic polynomials? How accurate is the PPMCC? What does it mean to take moments about a point?	Further Pure Mathematics Year 2 A-level Statistics Year 2 A-level Mechanics	• Complex Numbers • Argand Diagrams • Series • Roots of Polynomials • Regression, Correlation & Hypothesis Testing • Moments
Term 2:	What is the volume with we rotate about the x/y axes? Can you find a conditional probability?	Further Pure Mathematics Year 2 A-level Statistics Year 2 A-level Mechanics	• Volumes of revolution • Matrices • Linear Transformations • Conditional Probability • Projectiles
Term 3:	Can you prove any algebraic expression is divisible by a particular number? What happens when acceleration varies?	Further Pure Mathematics Year 2 A-level Statistics Year 2 A-level Mechanics	• Proof by Induction • Vectors • Normal Distribution • Variable acceleration

Year 12 Subject Assessment Information

Assessment	Time/Venue	What will be assessed?
In class Assessment	June in exam hall	Complex Numbers
In class Assessment	February in class	Matrices
End of year 12 exam	June in exam halls	Pure core exam Mechanics and Statistics