Year 13 A-Level Further Maths

Year 13 Subject Curriculum Information

	Key Questions:	Specification:	Skill Focus:
Term 1:	What is the volume is we revolve a solid about the x/y axes? What other distributions are there? How does energy change?	• Further Pure Core Mathematics • Further Mechanics • Further Statistics	• Complex Numbers • Series • Methods In calculus • Volumes of Revolution • Polar Coordinates • Discrete Random Variables • Poisson Distribution • Geometric and Negative Binomial Distribution • Hypothesis Testing • Central Limit theorem • Momentum and Impulse • Work Energy Power • Elastic Strings and Springs
Term 2:	How do differential equations relate to the real world? What errors occur when we carry out statistical tests? What happens to forces when particles collide?	• Further Pure Core Mathematics • Further Mechanics Further Statistics	• Hyperbolic Functions • Differential Equations • Chi-Squared Tests • Probability Generating Functions • Types of Errors • Elastic Collisions in 1D and 2D
Term 3:	REVISION	REVISION	REVISION

Year 13 Subject Assessment Information

Assessment	Time/Venue	What will be assessed?
Mock Exams	• **Half term 1, in exam halls**	• Content of Core FM1 & FS1 covered in lessons
Follow up Mock (for U-grades)	• **Half term 2, in exam halls**	• Content of Core FM1 & FS1 covered in lessons
Final mock	• **Half term 3, in class**	• Full Core, Further Mechanics and Further Statistics mocks