

Edexcel A Level Maths - Statistics & Mechanics

Topic Checklist - Year 2 (A Level)

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Topic Qus 1 (%)	Topic Qus 2 (%)
Statistics Year 2 - AS Level					
1. Regression Correlation & Hypothesis Testing	Using exponentials with linear regression				
	Finding the PMCC				
	Hypothesis testing with PMCC				
2. Conditional Probability	Set notation				
	Conditional probability				
	Probability formulae				
3. Normal Distribution	Tree diagrams				
	Finding probabilities from the normal distribution				
	Inverse normal				
	The standardised distribution				
	Finding the mean and standard deviation				
4. Moments	Approximating the Binomial distribution				
	Hypothesis testing the Normal distribution				
	Mechanics Year 2 - AS Level				
4. Moments	Calculating moments and resultant moments				
	Equilibrium				
	Tilting				
5. Forces & Friction	Resolving forces				
	Inclined planes				
	Friction				
6. Projectiles	SUVAT with resolution of forces				
	Derivation of general formulae				
7. Applications of Forces	Static particles				
	Statics with friction				
	Static rigid bodies (using moments)				
	Dynamics on an inclined plane				
	Connected particles on an inclined plane				
8. Further Kinematics	Vectors in Kinematics				
	Projectiles with vectors				
	Variable acceleration in 1D				
	Variable acceleration in 2D				