

Edexcel A Level Maths - Statistics & Mechanics

Topic Checklist - Year 1 (AS)

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Topic Qus 1 (%)	Topic Qus 2 (%)
Statistics Year 1 - AS Level					
1. Data Collection	Sampling				
	Types of data				
	The large data set				
2. Location & Spread	Averages & quartiles				
	Range, IQR & interpercentile range				
	Variance & standard deviation				
	Coding data				
3. Representations of data	Finding outliers				
	Box plots & cumulative frequency graphs				
	Histograms				
	Comparing data				
4. Correlation & Linear Regression	Correlation & linear regression				
5. Probability	Sample space & frequency				
	Venn diagrams				
	Mutually exclusive & independent				
	Tree diagrams				
6. Statistical Distributions	Probability distributions				
	Binomial distribution				
7. Hypothesis Testing	Binomial hypothesis testing				
Mechanics Year 1 - AS Level					
8. Modelling in Mechanics	Models & assumptions				
	SI units & simple vectors				
9. Constant Acceleration	Displacement & velocity time graphs				
	Simple SUVAT				
	SUVAT using gravity				
10. Forces & Motion	Force diagrams & vectors				
	Force & acceleration				
	Forces in 2D				
	Connected particles & pulleys				
11. Variable Acceleration	Acceleration as a function of time				
	Using calculus				
	Deriving the constant acceleration formulae				