✓	**Correlation and Regression** AQA Paper 2A
	General concept of correlation
	Correlation does not imply causation
	Explanatory and Response variables
	Understand the idea of outliers
	Be able to identify outliers
	PMCC gives a measure to correlation
	PMCC is between -1 and 1
	Be able to interpret the PMCC in context
	Find a PMCC using your calculator
	Plotting points on a scatter graph
	Understand the concept of a regression line
	Find the regression line equation from calculator
	Be comfortable with $y=a+bx$
	Interpret the value of a in context
	Interpret the value of b in context
	Plot the regression line from the equation
	Use the regression equation to make predictions
	Interpolation is generally reliable
	Extrapolation is potentially problematic
	Regression is useless if PMCC is close to zero

✓	**Critical Analysis**
	Criticise calculations
	Compare a model with real life
	Criticise data presented in media
	Criticise graphs
	Suggest improvements to graphs
	The preliminary material

✓	**Normal Distribution** Dave Gale
	Symmetrical
	Bell shaped
	Area under the curve represents probability
	The 66, 95, 99 rule/guide
	Notation $N\sim(\mu,\sigma^2)$
	Calculate a z-score
	Using $\sqrt{n}$ when appropriate
	Find probabilities above a value
	Find probabilities below a value
	Find a value, given a percentage cut off

✓	**Confidence Intervals**
	Know the term 'point estimate'
	Notation for sample mean
	Notation for population mean
	Calculate confidence intervals
	Comment on a statement about the mean
	Probability that the mean is not in your CI?
	Cautious language for interpretation
	Understand the effect of the confidence level
	Understand the effect of the sample size
	Sample mean is in the middle of the CI