



	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2	
Reporting Y10		CfCs		BfL & Grades		CfCs		BfL & Grades		BfL & Report		
Year 10												

Year 11	<p>2(c) Measures of dispersion</p> <ul style="list-style-type: none"> • Standardised scores <p>2(d) Further summary statistics</p> <ul style="list-style-type: none"> • Index numbers / weighted index numbers o Retail price index (RPI) o Consumer price index (CPI) o Gross domestic product (GDP) • Interpret data related to rates of change over time when given in graphical form 	<p>ASSESSMENT</p> <p>2(e) Scatter diagrams and correlation</p> <ul style="list-style-type: none"> • Explanatory (independent) variables and response (dependent) variables • Correlation o Distinction between correlation and causation • Line of best fit o Using the regression equation $y = a + bx$ • Calculate Spearman's rank correlation coefficient • Interpret Spearman's rank in context • Interpret Pearson's product moment correlation coefficient (PMCC) in context • Understand the distinction between Spearman's rank correlation coefficient and Pearson's product moment correlation coefficient (PMCC) <p>2(f) Time series</p> <ul style="list-style-type: none"> • Moving averages • Identifying trends • Interpreting seasonal and cyclical trends in context • Mean seasonal variation o Predictions using average seasonal effect 	<p>3. Probability</p> <ul style="list-style-type: none"> • Expected frequency of a specified characteristic within a sample or population • Use collected data and calculated probabilities to determine and interpret risk • Compare experimental data with theoretical predictions • Use two-way tables, sample space diagrams, tree diagrams and Venn diagrams to represent all the different outcomes possible for at most three events <p>3. Experimental and theoretical probability</p> <ul style="list-style-type: none"> • Independent events • Conditional probability • Difference in terms of bias <p>3. Probability distributions</p> <ul style="list-style-type: none"> • Binomial distribution o Notation $B(n, p)$ o Conditions that make binomial model suitable o Mean (np) o Calculation of binomial probabilities 	<ul style="list-style-type: none"> • Normal distribution o Notation $N(\mu, \sigma^2)$ o Characteristics of Normal distribution o Conditions that make Normal model suitable o Approximately 95% of the data lie within two standard deviations of the mean and that 68% (just over two thirds) lie within one standard deviation of the mean <p>2(g) Quality assurance</p> <ul style="list-style-type: none"> • Know that a set of sample means are more closely distributed than individual values from the same population. • Control charts o Use action and warning lines in quality assurance sampling applications. <p>ASSESSMENT</p>	<p>Revision for Paper 1 and Paper 2</p>



