Statistics

Curriculum map

YR10 – YR11

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 10	Data Collection • Types of data • Population and sampling • Collecting data • Processing, representing and analysing data Half term test and reteach	Sampling and questionnaires • Sampling • Questionnaires and interviews • Problems with collecting data • Controlling extraneous variables Half term test and reteach	Tabulation • Tables • Pictograms • Bar charts • Stem and leaf diagrams • Pie charts • Population pyramids • Choropleth maps Half term test and reteach	Averages • Averages • Averages from frequency tables • Measure of dispersion for discrete data • Box plots and outliers Half term test and reteach	Graph • Scatter diagrams and correlation • Line of best fit • Interpolation and extrapolation • Causal relationships Spearman's rank correlation coefficient Half term test and reteach	Time series • Line graphs and time series • Variation in time series • Moving averages • Estimating Seasonal variations and making predictions Half term test and reteach
Year 11	Revise: Graphs • Scatter diagrams and correlation • Line of best fit • Interpolation and extrapolation • Causal relationships Spearman's rank correlation coefficient Half term test and reteach	Revise: Time series • Time series • Line graphs and time series • Variation in time series • Moving averages • Estimating Seasonal variations and making predictions Mock exam and reteach	Probability • The meaning of probability • Experimental probability • Sample space diagrams • Venn diagrams • Mutually exclusive and exhaustive events • Independent events • Tree diagram • Conditional probability Half term test and reteach	Index numbers • RPI, CPI and GDP • Chain base index numbers • Rates of change Mock exam and reteach	Revision	Revision