Statistics Curriculum Intent and Overview

To develop the next generation of statisticians to be able to collect, analyse, interpret and present data and make sense of data in the real world.

Focus	Intent	
Understanding	To develop understanding of the statistical enquiry	
	cycle: collecting, interpreting, analysing and	
	presenting data and how this, along with quality	
	assurance, retail price index and making predictions	
	impacts industry and economics.	
Enquiry	To analyse and challenge the reliability of data in real	
	life and in the media such as government statistics.	
Embedding knowledge	To develop retrieval skills to embed cumulative	
	knowledge.	
Progress Tracking	To closely monitor and track student progress to	
	ensure every student makes at least expected	
	progress.	
Academic Achievement	To continuously improve on the examination success	
	for all our students.	
Inspiration	To inspire the next generation of statisticians to be	
	able to understand and challenge data in every-day	
	life, in the media and in life beyond De La Salle School	

	Autumn Term	Spring Term	Summer Term
Year 10	 Collection of Data Primary and Secondary Data Populations Petersen Capture- Recapture Formula Random Sampling Non-Random Sampling Stratified Sampling Questionnaires and Interviews Controlling Extraneous Variables Designing Investigations 	 Processing and Representing Data Two-way Tables Stem and Leaf Diagrams Pie Charts Population Pyramids Choropleth Maps Histograms Cumulative Frequency Charts The Shape of a Distribution Histograms 	Summarising Data Averages Transforming Data Geometric Mean Weighted Mean Measures of Dispersion Standard Deviation Box Plots and Outliers Skewness Comparing Data Sets Making Estimates Scatter Diagrams, Correlation and Time Series Spearman's Rank Correlation Coefficient Pearson's Product Moment Correlation Coefficient Moving Averages
Year 11	 Probability and Index Numbers Venn Diagrams Tree Diagrams Index Numbers 	 Rates of Change Binomial and Normal Distribution Standardised Scores 	 Quality Assurance and Control Charts Preparation for Exams