

YEAR 11 higher

HALF TERM 5

What? When? Why?	Lesson 1 Learning intentions (what can a student do at the end of the lesson)	Lesson 2 Learning intentions (what can a student do at the end of the lesson)	Lesson 3 Learning intentions (what can a student do at the end of the lesson)	Lesson 4 Learning intentions (what can a student do at the end of the lesson)
Week 1	Mean, median, mode and range.	Frequency tables: finding mean and median.	Grouped frequency tables: estimating mean and finding group where the median lies.	Drawing a cumulative frequency graph.
Week 2	Using a cumulative frequency graph to find median, range and interquartile range.	Constructing box plots.	Using box plots to compare distributions.	Understand difference between bar charts and histograms. Calculate frequency density
Week 3	Draw histograms.	Calculate frequency from histograms.	Draw scatter graphs	Draw and use line of best fit.
Week 4	Real life graphs.	Distance time graphs.	Estimate the gradient by drawing a tangent.	Find approximate solutions to equations using graphs
Week 5	Basic probability including sum of probabilities is 1.(R)	Construct and use frequency trees.	Construct and use probability trees for independent events	Construct and use probability trees for independent events
Week 6	Construct and use probability trees for dependent events	Construct and use Venn diagrams.	Construct and use Venn diagrams to find probabilities.	Past paper questions on representing data.