KEVICC Key Stage 4 Curriculum Subject: Mathematics					Key Vocabula	Key Vocabulary and notation.	
Spring Half-Term					0 11	0 13	
Term: Year 10 Spring Term – Block Five Topic: Recap Cumulative Frequency and Histograms					Cumulative	Quartile 	
What is the essential knowledge from this unit? What do students need to remember and understand?					frequency	Upper	
what do students need to remember and understand?					Frequency	Quartile	
	Specification content			Specification notes	table	Inter-quartile	
	opecinication content			opecine anon noics	Discrete	range	
S3h	Construct and interpret diagrams for grouped discrete data and continuous data,			data	Class interval		
	i.e. histograms with equal and unequal class intervals and cumulative frequency graphs, and know their appropriate use				Qualitative	Mean	
The state of the s					Continuous	Median	
Students should be able to:					data	Range	
 understand which diagrams are appropriate for different types of data construct suitable diagrams for grouped discrete and continuous data 					Grouped	Modal Class	
interpret diagrams for grouped discrete and continuous data.					data	Analyse	
S6 Draw estimated lines of best fit					Quartiles	Estimate	
30	Make predictions				Box plots	Frequencies	
	Interpolate and extrapolate ap	parent trends whilst knowir	ng the c	langers of doing so	Compare	Axis	
Students should be able to:					data	Axes	
 recognise and name positive, negative or no correlation as types of correlation recognise and name strong, moderate or weak correlation as strengths of correlation understand that just because a correlation exists, it does not necessarily mean that causality is present draw a line of best fit by eye for data with strong enough correlation, or know that a line of best fit is not justified due to the lack of correlation understand outliers and make decisions whether or not to include them when drawing a line of best fit use a line of best fit to estimate unknown values when appropriate. 					Draw	Horizontal	
					conclusions	Vertical	
					Primary	Curve	
					data	Outliers	
					Secondary	Minimum	
					data	value	
					Distribution	Maximum	
					Lower	value	
					Quartile	Whisker	
					Distribution	Compare	
					Lower	data	
					Mathematical questioning should be designed to unpick the structure of the maths and deepen the student's understanding. When student talk about mathematical concepts, they should develo the vital mathematical language that helps them explain their ideas fully. Students are expected and encouraged to use terminolog during all discussions, verbal		
Re	rior learning supports understandi visit the median and mean, includ		•	does this content link to futu Consolidate all aspects of S	tatistics from key s	tage 3 and 4.	
Fin Wo Ch Fin me	ven the mean Indicate the mean of grouped data. The control of the mode and modal class The cose the appropriate average Indicate the data values given the control The control of the median from a table of values.	mean or changes in the		Revise and explore subject questions and in context.	content through e	examination	
eading omple Rec pro De the	Reading and understanding mathematical questions and problems' – teacher input. Decoding complex examination questions - explain what they are asking the student to do' – teacher input. Following instructions to solve problems - break down the symbols – examination paper Responding to questions the reason – examination paper solve problems - break down the					pecific terminology for numbers a pers, class books. at ask for an explanation or a	

Creating notes that can be used later for revision purposes -

class books, revision cards, mind maps etc.

tasks – teacher input. Recognising terminology, numbers, and symbols.

Key assessments:

How will do students review the information learned?

How will feedback be seen?

Marked end of block, term assessments and mock examinations.

Personalised learning checklists for all assessments identifying strengths and areas of development.

Written teacher feedback and marking in compliance with faculty and College Marking Policies. Student responses to marking. Students self-mark using purple pen. Verbal feedback given every lesson from teacher and peers as appropriate. Teacher and student self-assessment of presentation of class books will be completed to ensure written work is of high standard and students are achieving their