KEVICC Key Stage 4 Curriculum Subject: Mathematics			Key Vocabulary and notation.	
Autumn Half-Term			Disconstant	La sulla su
Term: Year 9 Autumn Term – Block Nine	opic: Rounding		Place value	Leading
What is the essential knowledge from this unit?			Digit	digit Order
What do students need to remember and understand?			Round	Change
Specification content		Specification notes	Placeholder	Deposit
			Significant	Interest
 N15 Round numbers and measures to an appropriate degree of accuracy (e.g. to a specified number of decimal places or significant figures) Use inequality notation to specify simple error intervals due to truncation or rounding 		including appropriate rounding for questions set in context students should know not to round values during intermediate steps of a calculation	Approximate	Debit
			Round	Credit
			Nearest	Balance
			Integer	Metric
			Number line	Metre
			Decimal point	Prefix
 Students should be able to: perform money calculations, writing an 	Decimal	Kilo		
 round numbers to the nearest whole number, 10, 100 or 1000 round numbers to a specified number of decimal places round numbers to a specified number of significant figures use inequality notation to specify error intervals due to truncation or rounding. 			place	Milli
			Significant	Centi
			figure	Area
N16 Apply and interpret limits of accuracy			Estimate	Units
	<u></u>		Round	Square units
Students should be able to:	Over/	Dimensions		
 interpret scales on a range of measuring instruments, including those for time, temperature and mass, reading from the scale or marking a point on a scale to show a stated value know that measurements using real numbers depend on the choice of unit recognise that measurements given to the nearest whole unit may be inaccurate by up to one half in either direction. 			underestimate	Equal
			Discrete	Not equal
			Continuous	Greater
			Bound	than
			Operation	Less than
What prior learning supports understanding of this content? How does this content link to future			Decimal	Negative
			Decimal point	Compare
			Mathematical questioning should be designed to unpick the structure of the maths and deepen the student's understanding. When students talk about mathematical concepts, they should develop the vital mathematical language that helps them explain their ideas fully. Students are expected and encouraged to use terminology during all discussions, verbal feedback and in written content.	
Read, write, and order and compare numbers up to 10 000 Define percentage as 'nur			er of parts per hund	
 000 and determine the value of each dig Use mental and formal written methods of 	percentages and percentage changes as a fraction or decimal and interpret these multiplicatively, express one			
			f another, compare two quantities	
units. 100%.				
 Round any whole number to a required degree of accuracy Use negative numbers in context and calculate intervals Solve problems involving percentage 			entages as operators. rcentage change, including:	
			ase and original value problems	
Reading: Where in the unit are students suppo	Writing: Independent writing tasks			
complex academic text?Reading and understanding mathematic	• Using the correct subject specific terminology for numbers and symbols – examination papers, class books.			
problems' – teacher input.	Responding to questions that	Responding to questions that ask for an explanation or a		
 Decoding complex examination questions - explain what they are asking the student to do' - teacher input. reason - examination point Self-evaluation, reviewi 				is of own work
Following instructions to solve problems -	- class books, personalised le	 class books, personalised learning checklists and analysis. Creating notes that can be used later for revision purposes - 		
 tasks - teacher input. Recognising terminology, numbers, and symbols. Creating notes that can be a class books, revision cards, magnetic class bo				n purposes -

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