KEVICC Key Stage 4 Curriculum Subject: Mathematics					Key Vocabulary and notation.		
Autumn Half-Term					Desimal	De size el Deint	
Term: Year 9 Autumn Term – Block Eight Topic: Basic Decimals					Decimal	Decimal Point	
		the essential knowledge from this u			Place value	Subtraction	
What do students need to remember and understand?					Digit	Mental	
	.			.	Placeholder	Written	
		Specification content		Specification notes	Tenths	Calculator	
	N1	Order positive and negative deci	mals		Hundredths	Units	
						Significant	
	 Students should be able to: know and use the word integer and the equality and inequality symbols recognise integers as positive or negative whole numbers, including zero 				Total	figure	
					Sum	Decimal	
						place	
		improper fractions.			Difference		
					Number	Negative	
1	N2	Apply the four operations, includi	including questions set in context (knowledge of terms	Line	Order		
		methods, to decimals – both posit Understand and use place value	used in household finance, for	Column	Greatest		
		with decimals)	(o.g. miori calcolaning	example profit, loss, cost price,	Method	Least	
				selling price, debit, credit and balance, income tax, VAT,	Add	Difference	
				interest rate)	Subtract	Equal	
				· · · · · · · · · · · · · · · · · · ·	Multiply	Not equal	
	Students should be able to:				Divide	Greater than	
 add, subtract, multiply and divide integers using both mental and written methods add, subtract, multiply and divide decimals using both mental and written methods 							
	 add, subtract, multiply and divide decinals only born mental and winter memods add, subtract, multiply and divide positive and negative numbers interpret a remainder from a division problem recall all positive number complements to 100 recall all multiplication facts to 12 × 12 and use them to derive the corresponding division facts perform money and other calculations, writing answers using the correct notation apply the four rules to fractions with and without a calculator multiply and divide a fraction by an integer, by a unit fraction and by a general fraction divide an integer by a fraction. 				Carrying	Less than	
					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	
	Work interchangeably with terminating decimals and their corresponding fractions (such as 3.5 and 72 or 0.375 and 38) including ordering				language that helps them explain their ideas fully.		
Students are expected							
		ents should be able to:	imals using place value		encouraged to use terminology during all discussions, verbal		
 convert between fractions and decimals using place value compare the value of fractions and decimals. 					feedback and in written		
					content.		
W		rior learning supports understanding		How does this content link to futur			
•		cognise and use integer place valu cognise and use decimal place va		 Round numbers and measure accuracy (e.g. to a specified 			
		hundredths.					
٠		Work out intervals and use number lines. Compare and order numbers. Recap the use of mental and formal written methods of		• Use inequality notation to specify simple error intervals due to		intervals due to	
•				truncation or rounding.Apply and interpret limits of c	accuracy		
•		Idition and subtraction with integers			iccolacy.		
•	Us	Use their knowledge of the order of operations to carry out					
calculations involving the four operations.							
Reading: Where in the unit are students supported to read complex academic text? • Using the correct subject specific terminology for numbers							
•	Reading and understanding mathematical questions and		symbols – examination papers, class books.				
		oblems' – teacher input.	diana avertainent t	Responding to questions that		nation or a	
•		Decoding complex examination questions - explain what they are asking the student to do' – teacher input.		 reason – examination papers, class books. Self-evaluation, reviewing, reflecting and analysis of own work 			
•	Following instructions to solve problems - break down the			- class books, personalised learning checklists and analysis.			
	ta	sks – teacher input.		• Creating notes that can be u	used later for revis		
•	Re	cognising terminology, numbers, ar	nd symbols.	class books, revision cards, m	and maps etc.		

Key assessments:

How will do students review the information learned?

End of block assessments.

AQA end of block assessments provide a quick progress check at the end of each block of learning to make sure students have understood the content being covered. These are available for both foundation and higher tiers.

End of term/year assessments and mock examinations.

End of term assessments assessing the students' progress towards targets and provide diagnostic information to modify future teaching. End of year 9 and 10 examinations assessing the students' progress towards targets and provide diagnostic information to modify future teaching.

Two mock examinations seasons take place during year 11 using previous years AQA 8300 examination papers. Students to experience the full suite of papers at both Foundation and higher tiers using Non-calculator and Calculator requirements.

All examinations will explore the three examination papers at both foundation and higher tiers using non-calculator and calculator requirements.

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

potential.