KEVICC Key Stage 4 Curriculum Subject: Mathematics					Key Vocabulary and notation.		
Spring Half-Term					5 U		
Term: Year 9 Spring Term – Block Three Topic: Basic Percentages					Fraction Decimal	Multiplier	
What is the essential knowledge from this unit?						Increase	
What do students need to remember and understand?					Percentage	Growth	
					Equivalent	Express	
		Specification content		Specification notes	Denominator	Factor	
F	29	Define percentage as 'number c	of parts per hundred'		Numerator	Multiple	
		Interpret percentages and percentage changes as a fraction or decimal and interpret			Fraction key	Round	
		these multiplicatively	Estimate	Integer Profit			
		Express one quantity as a percentage of another Compare two quantities using percentages				Loss	
		Work with percentages greater than 100%			Conversion	Interest	
_					Hundredth	Change	
Students should be able to:					Tenth	Original	
 convert values between percentages, fractions, and decimals in order to compare them, for example with probabilities use percentages in real-life situations 						Invest	
						Reverse	
		terpret percentage as the operator ork out the percentage of a shape					
•	sh	nade a given percentage of a sha	Mathematical q should be design				
 calculate a percentage increase or decrease solve percentage increase and decrease problems, for example, use 1.12 × Q to calculate a 						he maths and	
12% increase in the value of Q and 0.88 \times Q to calculate a 12% decrease in the value of Q						lent's	
	 work out one quantity as a percentage of another quantity use percentages, decimals or fractions to calculate proportions 					When students ematical	
		alculate reverse percentages	concepts, they s				
•	solve simple interest problems.				the vital mathen language that h		
	112	Interpret fractions and percentag	nes as operators	including interpreting percentage	explain their idea		
	112			problems using a multiplier	Students are exp	pected and	
					encouraged to use terminology		
Students should be able to: calculate a fraction of a quantity calculate a percentage of a quantity 						during all discussions, verbal feedback and in written content.	
 Use tractions, decimals, or percentages to calculate proportions of shapes that are shaded use fractions, decimals, or percentages to calculate lengths, areas or volumes understand and use unit fractions as multiplicative inverses multiply and divide a fraction by an integer, by a unit fraction and by a general fraction interpret a fraction, decimal or percentage as a multiplier when solving problems 							
				0 1 1 1			
W	What prior learning supports understanding of this content? How does this content link to future learning?						
•		und numbers to one/two significan	0	 Know, use, and understand Write an ordinary number in 		rom.	
	Convert between other fractions, decimals, and percentages.						
٠		ler positive and negative decimals		number.			
•	Order positive and negative fractions. Apply the four operations, including formal written methods,						
	to decimals – both positive and negative and simple fractions			standard form.			
	(proper and improper) and mixed numbers - both positive and negative.				 Interpret calculator displays. Use a calculator effectively for standard form calculations. 		
•		derstand and use place value (e.g		Solve standard form problems with and without a calculator.			
Po	decimals). Reading: Where in the unit are students supported to read Writing: Independent writing tasks and how they are structured						
		; where in the Unit are students sup x academic text?			 Writing: Independent writing tasks and how they are structured Using the correct subject specific terminology for numbers and 		
•	Red	ading and understanding mathem	atical questions and	symbols – examination pape	symbols – examination papers, class books.		
•		blems' – teacher input. coding complex examination ques	tions - explain what		Responding to questions that ask for an explanation or a reason – examination papers, class books.		
they are asking the student to do' – teacher input. • Self-evaluation, reviewing, re					eflecting and analysis of own work		
					ed learning checklists and analysis.		
•		ks – teacher input. cognising terminology, numbers, ar	nd symbols.	0	• Creating notes that can be used later for revision purposes - class books, revision cards, mind 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.