KEVICC Key Stage 4 Curriculum Subject: Mathematics					Key Vocabulary and notation.	
ſ	Autumn Half-Term					
	Term: Ye	ear 9 Autumn Term – Block Nine	Topic: Rounding		Place value	Leading
		the essential knowledge from this ur students need to remember and up			Digit	digit Order
	what ac	siddenis need to remember and o	idersidiid :		Round	Change
		Specification content		Specification notes	Placeholder	Deposit
				•	Significant	Interest Debit
	N15 Round numbers and measures to an appro			including appropriate rounding for questions set in context students should know not to round values during intermediate steps of a calculation	Approximate	Debit
		<ul> <li>degree of accuracy (e.g. to a specified number of decimal places or significant figures)</li> <li>Use inequality notation to specify simple error intervals due to truncation or rounding</li> </ul>			Round	Credit
					Nearest	Balance
					Integer Number line	Metric Metre
	Students should be able to: <ul> <li>perform money calculations, writing answers using the correct notation</li> </ul>				Decimal point	Prefix
					Decimal	Kilo
	<ul> <li>round numbers to the nearest whole number, 10, 100 or 1000</li> <li>round numbers to a specified number of decimal places</li> </ul>				place Significant	Milli
		ound numbers to a specified number		significant figures		Centi
	use inequality notation to specify error		or intervals due to truncat	tion or rounding.	figure	Area
	N16	Apply and interpret limits of accur	acy		Estimate	Units
					Round	Square units
	Students should be able to:				Over/	Dimensions
	<ul> <li>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</li> </ul>				underestimate	Equal
	• ki	know that measurements using real numbers depend on the choice of unit			Discrete	Not equal
		<ul> <li>recognise that measurements given to the nearest whole one half in either direction.</li> </ul>		may be inaccurate by up to	Continuous	Greater
					Bound	than
				Operation	Less than	
					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 expe encouraged to u during all discussi feedback and in content.	se terminology ons, verbal
<ul> <li>What prior learning supports understanding of this content?</li> <li>Read, write, and order and compare numbers up to 10 000 000 and determine the value of each digit.</li> <li>Use mental and formal written methods of multiplication and division.</li> <li>Multiply by 10, 100 and 1000, 0.1 and 0.01, and convert metric units.</li> <li>Round any whole number to a required degree of accuracy Use negative numbers in context and calculate intervals across zero.</li> <li>Use their knowledge of the order of operations to carry out calculations involving the four operations.</li> <li>Solve number and practical problems that involve all the above.</li> <li>Reading: Where in the unit are students supported to read complex academic text?</li> <li>Reading and understanding mathematical questions and problems' – teacher input.</li> <li>Following instructions to solve problems - break down the tasks – teacher input.</li> <li>How does this content link to future learning?</li> <li>Decoding complex examination questions - explain what they are asking the student to do' – teacher input.</li> <li>Following instructions to solve problems - break down the tasks – teacher input.</li> </ul>						ction or ress one two quantities greater than s. ncluding:
						r numbers and tion or a s of own work

## 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.

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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.