EVICO	C Key Stage 4 Curriculum Subject: Mathematics		Key Vocabula	y and notation.	
Spring Half-Term				Coorechie	
Term: Year 9 Spring Term – Block Two Topic: Sequences				Geometric	
What is the essential knowledge from this unit?			Term	Fibonacci	
What do students need to remember and understand?			Position	n th term	
	Specification content		Rule	Common ratio	
	Specification content	Specification notes	Term-to-	Square	
A23	Generate terms of a sequence from either a term-to-	including from patterns and	term	Triangular	
	term or a position-to-term rule	diagrams	Table	Cube	
Students should be able to:			Graph	Oscillate	
generate linear sequences			Axes	Predict	
 work out the value of the nth term of a linear sequence for any given value of n 		Linear	Simplest form		
 generate sequences with a given term-to-term rule generate a sequence where the nth term is given 			Non-Linear	Surd	
• work out the value of the nth term of any sequence for any given value of n			Difference	Common	
 generate simple sequences derived from diagrams and complete a table of results that describes the pattern shown by the diagrams 			Constant -	difference	
 describe how a sequence continues. 			difference	Coefficient	
			Ascending	Quadratic	
A24	Recognise and use: sequences of triangular, square and cube numbers simple arithmetic progression	other recursive sequences will be defined in the question	Descending	Show	
			Arithmetic	3110 **	
	Fibonacci type sequences				
	<u>quadratic sequences</u> and simple geometric progressions (rn where n is an		Second -		
	integer and ris a rational number > 0		difference		
integer > 0		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.			
 What prior learning supports understanding of this content? Use and interpret algebraic notation, Simplify and manipulate algebraic expressions (including those involving surds) by: collecting like terms multiplying a single term over a bracket taking out common factors Understand and use the concepts and vocabulary of expressions, equations, formulae, identities, inequalities, terms, 				aically including	
	nd factors g: Where in the unit are students supported to read	Writing: Independent writing tas	ks and how they a	re structured	
• Using the correct subject specific terminology for numbers of					
	ading and understanding mathematical questions and oblems' – teacher input.	 symbols – examination papers, class books. Responding to questions that ask for an explanation or a 			
De	ecoding complex examination questions - explain what	reason – examination papers, class books.			
	e asking the student to do' – teacher input. • Self-evaluation, reviewing, reflecting and analysis of own work				
	llowing instructions to solve problems - break down the sks – teacher input.	 o solve problems - break down the - class books, personalised learning checklists and analysis. Creating notes that can be used later for revision purposes - 			
Re	cognising terminology, numbers, and symbols.	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.