EVICO	C Key Stage 4 Curriculum Subject: Mathematics		Key Vocabula	ry and notation
	Summer Half-Term		Evpression	Unlike terms
	'ear 9 Summer Term – Block One <b>Topic: Equations</b>		Expression Simplify	Binomial
What is the essential knowledge from this unit? What do students need to remember and understand?				
			Term	Simplify
	Specification content	Specification notes	Substitute	Quadratic
			Coefficient	Solve
A2	Substitute numerical values into formulae and expressions, including scientific formulae	unfamiliar formulae will be given in the question	Equivalent	Equation
	expressions, including scientific formulae	giver in the question	Positive	Unknown
Students should be able to:			Negative	Solution
use formulae from mathematics and other subjects expressed initially in words and then using letters and symbols. For example, formula for area of a triangle, area of a parallelogram, area of a circle, volume of a prism, conversions between measures, wage earned = hours worked × hourly rate + bonus      whetitute numbers into a formula.			Directed	Side
			Substitute	Form
			Solve	Unknown
•	substitute numbers into a formula.		Simplify	Check
A17	Solve linear equations in one unknown	including use of brackets	Expand	Inequality
	algebraically <u>including those with the unknown on both</u> sides of the equation		Multiply out	Satisfy
	sides of the equation		Bracket	Solution set
	ents should be able to:		Identity	Greater/less
<ul> <li>solve simple linear equations by using inverse operations or by transforming both sides in the same way</li> <li>solve simple linear equations with integer coefficients where the unknown appears on one or both sides of the equation graphers the equation involves breakets.</li> </ul>			Product	than (or
			Factor	equal)
	ooth sides of the equation or where the equation involves br	аскеть.	Factorise Factorise	Inequality Form
			fully	Balance
			Common	Formula
			Common	Variable
			factor	Subject
			HCF Like terms	
	rior learning supports understanding of this content?	How does this content link to futu  Generate terms of a sequen		gned to unpic f the maths ar udent's i. When studer thematical y should devel ematical helps them leas fully. expected and ouse terminola ussions, verbal I in written
Su Ar Ex Fa Fo Ur eadin omple Re	nplify algebraic expressions. bstitute numerical values into formulae and expressions. cply the four operations (+, -, x, ÷) to fractions. pand brackets and collect like terms. ictorising expressions. It and solve one-step and two-step equations. Inderstand equivalence of algebraic expressions.  Independent of the unit are students supported to read expressions and expressions and expressions and oblems' – teacher input.  Independent of the unit are students of the unit are students supported to read expressions and oblems' – teacher input.  Independent of the unit are students supported to read expressions and oblems' – teacher input.	<ul> <li>position-to-term rule, including from patterns and diagrams.</li> <li>Recognise and use:         <ul> <li>sequences of triangular, square and cube numbers</li> <li>simple arithmetic progression</li> <li>Fibonacci type sequences</li> <li>quadratic sequences</li> <li>and simple geometric progressions (r<sup>n</sup> where n is an integer and r<sup>n</sup> a rational number &gt; 0)</li> <li>other recursive sequences will be defined in the question</li> </ul> </li> <li>Writing: Independent writing tasks and how they are structured</li> <li>Using the correct subject specific terminology for numbers of symbols – examination papers, class books.</li> <li>Responding to questions that ask for an explanation or a reason – examination papers, class books.</li> <li>Self-evaluation, reviewing, reflecting and analysis of own well according to the subject of the subject specific terminology for numbers of symbols – examination papers, class books.</li> </ul>		

tasks – teacher input.

Recognising terminology, numbers, and symbols.

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?

## 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