KEVICC Key Stage 4 Curriculum Subject: Mathematics				Key Vocabulary and notation.		
Summer Half-Term					, ,	
Term: Year 9 Summer Term – Block Two Topic: Equations				Expression	Unlike terms	
What is the essential knowledge from this unit? What do students need to remember and understand?				Simplify	Binomial	
				Term	Simplify	
				Substitute	Quadratic	
	Specification content		Specification notes	Coefficient	Solve	
<b>A</b> 2	Substitute numerical values into	formulae and	unfamiliar formulae will be	Equivalent	Equation	
expressions, including scientific				Positive	Unknown	
N	is to all a citation and a land			Negative	Solution	
	nts should be able to: use formulae from mathematics c	nd other subjects expresse	ed initially in words and then using	Directed	Side	
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  • substitute numbers into a formula.				Substitute	Form	
				Solve	Unknown	
				Simplify	Check	
				Expand	Inequality	
A17	Solve linear equations in one unknown algebraically including those with the unknown on both sides of the equation			Multiply out	Satisfy	
				Bracket	Solution set	
				Identity	Greater/less	
<ul> <li>Students should be able to:</li> <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 or where the equation involves brackets.</li> </ul>				Product	than (or	
					`	
				Factor	equal)	
				Factorise	Inequality	
				Factorise	Form	
				fully	Balance	
				Common	Formula	
				Common	Variable	
				factor	Subject	
				HCF		
				Like terms		
				the structure of deepen the strunderstanding talk about ma	gned to unpicl f the maths an udent's I. When studen thematical y should develo ematical thelps them	
				Students are e encouraged to during all discu feedback and content.	o use terminolo ussions, verbal	
Un Sim Sul Ap Exp Fac For	rior learning supports understanding derstand multiplication and division plify algebraic expressions. Estitute numerical values into formularly the four operations (+, -, x, ÷) and brackets and collect like terectorising expressions.  The mand solve one-step and two-step and equivalence of algebra	on facts.  nulae and expressions.  to fractions.  ms.  ep equations.	expressions, equations, form and factors (review of Year  • Simplify and manipulate algorithms involving surds) by:	ne concepts and vocabulary of standard to concepts and vocabulary of standard to concepts and vocabulary of standard to concept a procession of the concept and the concept an		
omple Re- pro De the Fol	g: Where in the unit are students sex academic text? ading and understanding mather oblems' – teacher input. accoding complex examination query are asking the student to do' – lowing instructions to solve problems – teacher input.	matical questions and estions - explain what teacher input.	Writing: Independent writing task     Using the correct subject sp symbols – examination pape     Responding to questions the reason – examination pape     Self-evaluation, reviewing, reclass books, personalised I     Creating notes that can be	ecific terminology ers, class books. at ask for an explors, class books. eflecting and and earning checklists	r for numbers a unation or a ulysis of own wo and analysis.	

## 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.