KEVIC	CC Key Stage 4 Curriculum Subject: Mathematics			Key Vocabulary o	ınd notation.
	Autumn Half-T	erm		Variable Variable	Discrete
Term: Year 11 Autumn Term - Block Three Topic: Inequalities				Solve	values
What is the essential knowledge from this unit?				Solution	Optimal
What do students need to remember and understand?				Equation	solution
				Expression	Solve
	Specification content	Specification	on notes	Inverse	algebraically
A22		17 11		Balance	Satisfy
\\\ Z\\ Z	SOIVE III ICAI II ICAGOAII II CO II C	Know the c	onventions of an open circle on ne for a strict inequality and a	Inequality Open circle	Region Dashed line
	one variable Represent the solution set on a number line, using set notation and on a graph Represent the solution and on a graph line, using set notation and on a graph line for an included boundary in graphical work the convention of a dashed line for strict inequalities and a so line for an included inequality will be required			Closed circle	Solid line
				Solution set	Test point
				Greater/less	Shaded
			icioded illegodilly will be	than (or	Unshaded
				equal)	Balance
Students should be able to:				Number line	Is equal to
•	know the difference between $<$, \leq , \geqslant , $>$ and \neq solve simple linear inequalities in one variable			Set notation The solution	Value Unknown
represent the solution set of an inequality on a number line, knowing the correct conventions of an open circle for a strict inequality and a closed circle for an included boundary.				set is x such	Less/greater
				that	than
				Union	Or equal to
				Gradient	Less than
				Positive/Negat	Greater than
				ive	Solution(s)
				Linear	Balanced Quadratic
				y-intercept Coordinate	Roots
				Plot	Factorise
				Set equal	Brackets
				Intersect	Intercept
				Solve	x-axis
				graphically	Sketch
				=, ≠, <, ≤, >,≥ 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 us during all discussion feedback and in	se terminology ons, verbal
	prior learning supports understanding of this conte		How does this content link to futur		
	ecognise that equations of the form $y = mx + c$ col	rrespond	Solve linear equations in one Including those with		
	to straight-line graphs in the coordinate plane o Including those with draw graphs of functions in which y is given explicitly or equation.			n the unknown on both sides of the	
implicitly in terms of x o Including use of bracket					
 complete tables of values for straight-line graphs calculate the gradient of a given straight-line given two Translate simple situations or prode expressions or formulae; derive a 					
 calculate the gradient of a given straight-line given two points or from an equation expressions or formulae; deri and interpret the solution inc 					
Substitute numerical values into formulae and expressions. problems and problems set in					
	form and solve one-step and two-step equations.				
	Inderstand equivalence of algebraic expressions. ing: Where in the unit are students supported to re-	ad	Writing: Independent writing tasks	and how they are	structured
	olex academic text?		 Using the correct subject specified. 		
Reading and understanding mathematical questions and symbols – examination papers, class books.					
 problems' – teacher input. Decoding complex examination questions - explain what Responding to questions that ask for an explanation or a re examination papers, class books. 					tion or a reason
		I WIIGI	- examination papers, class t		
• [flecting and analys	is of own work –
† †	hey are asking the student to do' – teacher input. following instructions to solve problems - break down asks – teacher input.			rning checklists and	d 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.