KEVICC Key Stage 4 Curriculum Subject: Mathematics						Key Vocabulary	Key Vocabulary and notation.	
Summer Half-Term						Faces	Sector	
Term: Year 9 Summer Term – Block Six Topic: 2D and 3D Representation						Surfaces	Segment	
What is the essential knowledge from this unit?						Vertices	Semi-circle	
What do students need to remember and understand?						Edges	π	
						Cubes	Net	
		Specification content		Specification notes	i	Cuboids	Surface	
G	13	Construct and interpret plans		vations of 3D shapes	、 、	Prisms	area	
		<u>consider and</u> interpret plans e			,	Pyramids	section	
St	udent	ts should be able to:				Cones	Draw	
•	USe	e 2D representations of 3D shap	es			Spheres	Front	
	an	alvse 3D shapes through 2D pro	iection	s and cross sections	including plans and elevations	Plan	Side	
•	un	derstand and draw front and sid	de elev	ations and plans of	shapes made from simple solids,	Elevations	Plan	
for example a solid made from small cubes						Square Kite	Projections	
						Rhombus	Fold	
						Triangles	Cube	
						Equilateral	Cuboid	
						Isosceles	Prism	
						Scalene	Pyramid	
						Trapezia	Sphere	
						Area	Tetrahedron	
						Volume	Square	
						Radius	based	
						Circumference	Triangular	
						Tangent	Prism	
						Arc	Isometric	
						Mathematical au	Jestioning	
					should be design	should be designed to unpick		
					the structure of the	ne maths and		
					understanding. V	understanding. When students		
						talk about mathematical concepts, they should develop the vital mathematical language that helps them		
						explain their idea	explain their ideas fully.	
						Students are exp	ected and	
						encouraged to u	se terminology	
						during all discuss	during all discussions, verbal	
						content.	willen	
Wb	at pric	or learning supports understandi	ng of th	is content?	How does this content link to futu	re learning?		
 Draw 2-D shapes using given dimensions and angles. Apply and interpret limits of a 						accuracy.		
•	Find	unknown angles in any triangle	s, quac	Use standard units of measu	and units of measure and related concepts (length,			
•	Calo	ilar polygons. culate and recoanise anales wh	ere the	v meet at a point.	 area, volume / capacity, m Change freely between relationships 	ass, time, money etc ated standard units	c.). 'e.a. time.	
	are	on a straight line, or are vertical	ly oppc	osite, and find	length, area, volume / capo	acity, mass) and cor	npound units	
	missi	ng angles.			(e.g. speed, rates of pay, pr	ices, density, and pr	ressure) in	
Reading: Where in the unit are students supported to read Writing: Independent writina tasks						and how they are	structured	
complex academic text? • Using the correct subject spectrum of the correct spectrum of					ecific terminology fo	or numbers and		
•	 Reading and understanding mathematical questions and problems' – teacher input Responding to questions the 					ers, ciass dooks. at ask for an explana	ation or a	
•	Decoding complex examination questions - explain what reason – examination pape					s, class books.		
	they	are asking the student to do' –	teache	er input.	Self-evaluation, reviewing,	eflecting and analy	flecting and analysis of own work –	
Following instructions to solve problems - break down the class books, personalised lear tasks – teacher input Creating notes that can be u						used later for revisio	n purposes -	
Recognising 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 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	
tea	ching	•						

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.