KEVICC Key Stage 4 Curriculum Subject: Mathematics				Key Vocabulary and notation.		
Summer Half-Term				Faces	Sector	
Term:         Year 9 Summer Term – Block Seven         Topic: 2D representations of 3D shapes				Faces		
What is the essential knowledge from this unit? What do students need to remember and understand?				Surfaces Vertices	Segment	
what a	Students need to remember and understand	u:			Semi-circle	
	Specification content		Specification notes	Edges Cubes	π Net	
			· · · · · · · · · · · · · · · · · · ·		Surface	
G13 <u>Construct and</u> interpret plans and elevations of 3D shapes				Cuboids Prisms	area	
<ul> <li>Students should be able to:</li> <li>use 2D representations of 3D shapes</li> <li>draw nets and show how they fold to make a 3D solid</li> <li>analyse 3D shapes through 2D projections and cross sections, including plans and elevations</li> <li>understand and draw front and side elevations and plans of shapes made from simple solids, for example a solid made from small cubes</li> <li>understand and use isometric drawings.</li> </ul>				Cylinders	Cross	
				Pyramids	section	
				Cones	Draw	
				Spheres	Front	
				Plan	Side	
				Elevations	Plan	
					Elevation	
				Square Kite	Projections	
				Rhombus	Fold	
				Triangles	Cube	
				Equilateral	Cuboid	
				Isosceles	Prism	
				Scalene	Cylinder	
				Parallelograms	Pyramid	
				Trapezia	Sphere	
					Tetrahedron	
				Area Volume	Square	
					based	
				Radius	pyramid	
				Diameter	• •	
				Circumference	Triangular Prism	
				Tangent Arc	Isometric	
				Mathematical que should be designe the structure of the deepen the stude understanding. Wi talk about mather concepts, they sho the vital mather language that hel explain their ideas Students are expe encouraged to us during all discussion	estioning ed to unpick e maths and nt's hen students matical ould develop atical ps them fully. cted and e terminology ons, verbal	
What p	rior learning supports understanding of this co	ontent? How	does this content link to futur	feedback and in v content.		
<ul> <li>Dro</li> <li>Fin</li> <li>reg</li> <li>Cc</li> <li>are</li> <li>mis</li> </ul>	<ul> <li>Draw 2-D shapes using given dimensions and angles.</li> <li>Find unknown angles in any triangles, quadrilaterals, and regular polygons.</li> <li>Apply and interpret limits of accuracy.</li> <li>Use standard units of measure and related concepts (length, area, volume / capacity, mass, time, money etc.).</li> </ul>					
<ul> <li>Reading: Where in the unit are students supported to read complex academic text?</li> <li>Reading and understanding mathematical questions and problems' – teacher input.</li> <li>Decoding complex examination questions - explain what they are asking the student to do' – teacher input.</li> <li>Following instructions to solve problems - break down the tasks – teacher input.</li> <li>Recognising terminology, numbers, and symbols.</li> <li>Writing: Independent writing tasks and how they are structured</li> <li>Using the correct subject specific terminology for numbers and 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 work - class books, personalised learning checklists and analysis.</li> <li>Creating notes that can be used later for revision purposes - class books, revision cards, mind maps etc.</li> </ul>						

## 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