KEVICC Key Stage 4 Curriculum Subject: MathematicsKey Vocabulary and notation.						
Autumn Half-Term				Compass	Due Fast/West	
Term: Year 9 Autumn Term – Block Four Topic: Scale Drawings a			and Bearings	Boint	Due Lusi/ Wesi	
What is the essential knowledge from this unit?				Poini	OI	
What do students need to remember and understand?				Angle	scale	
				lurn	Ratio	
	Specification content		Specification notes	Three letter	Construct	
PO	Use scale factors, scale diagrams	and mans	including accomptrized	notations	Parallel	
		problems	Enlarge	Alternative		
				Scale	Corresponding	
Students should be able to:				factor	Co-interior	
 use a scale on a map to work out an actual length 				Ratio	Due	
 use a scale with an actual length to work out a length on a map 				Protractor	South/West	
 construct scale arawings use scale to estimate a length, for example use the height of a man to estimate the height of 				Convert	Trigonometry	
a building where both are shown in a scale drawing				Similar	$\sin \theta$, $\cos \theta$,	
work out a scale from a scale drawing given additional information.				Three-figure	tanθ	
Gl	Measure line seaments and anale	es in aeometric fiaures.	including the eight compass	North line	Perpendicular	
	including interpreting maps and s	cale drawings and use	point bearings and three-	Clockwise	Opposite	
	of bearings		figure bearings	Rogring		
Students should be able to:				Bedning	Included	
 use and interpret maps and scale drawings 				Bearing of	angle	
 use a scale on a map to work out a length on a map use a scale with an actual length to work out a length on a map 				from		
 ose a scale with an actual engine or work our a length on a map construct scale drawings 				Mathematical questioning		
• use scale to estimate a length, for example use the height of a man to estimate the height of				should be desig	gned to unpick	
 a building where both are shown in a scale drawing work out a scale from a scale drawing given additional information 				deepen the student's understanding. When students talk about mathematical concepts, they should develop the vital mathematical		
 use bearings to specify direction 						
 recall and use the eight points of the compass (N, NE, E, SE, S, SW, W, NW) and their aquivalent three figure begrings 						
 use three-figure bearings to specify direction 						
mark points on a diagram given the bearing from another point draw a bearing between points on a man or scale drawing				language that	helps them	
 ardw a bearing between points on a map of scale ardwing measure the bearing of a point from another given point 				explain meir ideas fully.		
•	 work out the bearing of a point from another given point 			Students are ex	pected and	
• work out the bearing to return to a point, given the bearing to leave that point.			encouraged to use terminology			
			feedback and	in written		
				content.		
What	prior learning supports understanding	of this content?	How does this content link to futu	re learning?		
Use conventional terms and notations: Identity and apply circle definitions and properties, includii centre radius, chord diameter circumference tangent of					e tangent arc	
perpendicular lines, right angles, polygons, regular polygons, sector and segment.					o, rangorn, arc,	
	 and polygons with reflection and/or rotation symmetries Identify properties of the faces, surfaces, edges and vert 					
• (the sides and anales of trianales - Calculate the perimeter of a 2D shape and composite shar					
• [Draw diagrams from written descriptions. • Calculate the area of composit			osite shapes.		
• /	Apply the properties of angles at a point, angles at a point on • Know and apply formulae to calc			o calculate area c 1.	ot triangles,	
• l	Inderstand and use alternate and co	rresponding angles on				
Poord	parallel lines	ported to road	Writing: Independent writing test	s and how those or	a structured	
complex academic text? • Using the correct subject spectra to read				ecific terminology	for numbers and	
Reading and understanding mathematical questions and symbols – examination papers, class book				ers, class books.		
۲ • [Problems' – feacher input. Decoding complex examination questions - explain what Responding to questions that ask for an explanation or c reason – examination papers, class books. 					
t	they are asking the student to do' – teacher input.				ysis of own work	
Following instructions to solve problems - break down the - class books, personalised le Creating potes that agg have				earning checklists	and analysis.	
• F	Recognising terminology, numbers, and symbols. Class books, revision cards, mind maps etc.					
Key assessments:						
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						
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.