KE\	KEVICC Key Stage 4 Curriculum Subject: Mathematics Key Vocabulary and notation.						
		Summer Half-Term		Numerator			
Teri	m: Ye	ear 10 Summer Term – Block Five Topic: Probability – Tr	Numerator	Two-way			
		the essential knowledge from this unit?	Denominator	tables			
wn	at ac	o students need to remember and understand?		Exact value	Venn		
		Specification content	Specification notes	Lowest	diagram		
		specification coment	specification notes	common	Frequency		
P2	2	Apply ideas of randomness, fairness, and equally likely e	vents to calculate expected	multiple	trees		
outcomes or multiple future experiments				Simplest form	Universal set		
Students should be able to:					Sample		
•		se lists or tables to find probabilities	Outcome	space			
•	 understand that experiments rarely give the same results when there is a random process involved 				Systematic		
• appreciate the 'lack of memory' in a random situation, for example a fair coin is still equally				Complement	Array		
	lik	xely to give heads or tails even after five heads in a row.		Venn	Independent		
P	3	Relate relative expected frequencies to theoretical prob	diagram	events			
language and the 0 – 1 probability scale				Intersect Product			
C+		hts should be able to:		Union	Outcomes		
0		Ins should be able to. Inderstand and use the term relative frequency	Relative	At least one			
•		consider differences where they exist between the theoret	ical probability of an outcome	frequency	Dependent		
		and its relative frequency in a practical situation ecall that an ordinary fair dice is an unbiased dice numbe	Estimate	events			
		kely outcomes		Expectation	Tree diagram		
•	e	estimate probabilities by considering relative frequency.		Expected	Conditional		
P	5	Understand that empirical unbiased samples tend towards theoretical probability		value	probability		
		distributions with increasing sample size		Sample	Given		
S	tude	ents should be able to:		Probability	Show		
•	ι	understand that experiments rarely give the same results w	hen there is a random process	Chance	Set		
		nvolved appreciate the 'lack of memory' in a random situation, for	example a fair coin is still equally	Equally likely	Union		
	li	kely to give heads or tails even after five heads in a row		Unbiased	Region		
•		understand that the greater the number of trials in an expe esults are likely to be	eriment, the more reliable the	Possibilities	And / Or		
-	P.4 Enumerate sets and combinations of sets systematically using tables, arids. Venn Mathematical guestioning						
P	P6 Enumerate sets and combinations of sets systematically using tables, grids, Venn diagrams and tree diagrams				ned to unpick		
The structure of the maths and							
S		ents should be able to:	deepen the stud understanding. \				
		complete tables and/or grids to show outcomes and prob complete a tree diagram to show outcomes and probabili	talk about math				
	ι	understand that P(A) means the probability of event A	concepts, they s the vital mathen				
•		inderstand that $P(A')$ means the probability of event not A inderstand that $P(A \cup B)$ means the probability of event A	language that h	elps them			
		Inderstand that $P(A \cap B)$ means the probability of event A	explain their idea	as fully.			
understand a Venn diagram consisting of a universal set and at most two sets, which may or Students are expected and							
	 may not intersect shade areas on a Venn diagram involving at most two sets, which may or may not intersect encouraged to use terminolo during all discussions, verbal 						
•	S	olve problems given a Venn diagram	feedback and ir				
•		olve problems, where a Venn diagram approach is a suito s not given in the question.	able strategy to use but a diagram	content.			
P	5	Calculate the probability of independent and dependent combined events, including using tree	know when to add and when to multiply two or more				
		diagrams and other representations, and know the	probabilities				
		underlying assumptions					
S		ents should be able to:					
•		determine when it is appropriate to add probabilities					
 determine when it is appropriate to multiply probabilities understand the meaning of independence for events 							
•	C	calculate probabilities when events are dependent					
 understand the implications of with or without replacement problems for the probabilities obtained complete a tree diagram to show outcomes and probabilities 							
•		use a tree diagram as a method for calculating probabilition events.	es tor independent or dependent				

of mutually exclusive events sum to one.	lependent combined events using a variety of representations om key stage 4. evise and explore subject content through examination juestions and in context.
 complex academic text? Reading and understanding mathematical questions and problems' - teacher input. Decoding complex examination questions - explain what they are asking the student to do' - teacher input. Following instructions to solve problems - break down the tasks - teacher input. Us 	g: Independent writing tasks and how they are structured sing the correct subject specific terminology for numbers and ymbols – examination papers, class books. esponding to questions that ask for an explanation or a eason – examination papers, class books. elf-evaluation, reviewing, reflecting and analysis of own work class books, personalised learning checklists and analysis. Creating notes that can be used later for revision purposes - lass books, revision cards, mind maps etc.

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.