KEVICC Key Stage 3 Curriculum Subject: Mathem	Key Vocabulary a	Key Vocabulary and notation.		
Autumn Half-Terr				
Term: Year 8 Autumn Term – Block Six Topic: Probability What is the essential knowledge from this unit? 2 What do students need to remember and understand?		Outcomes Sample space Set	Probability Sample Denominator	
 Building on from the Year 7 unit, this short bloc particular looking at sample spaces and the user National curriculum content covered: Record, describe and analyse the frequency involving randomness, fairness, equally and u language and the 0-1 probability scale. Generate theoretical sample spaces for sing mutually exclusive outcomes and use these to use language and properties precisely to an 	Systematic Chance Probability Event Equally likely Unbiased P(event)	SystematicAnd / OrChanceUnionProbabilityRegionEventTotalEqually likelyPossibilitiesUnbiasedProductP(event)Table		
 We know that breaking the curriculum down into small manageable steps should help students to understand concepts better. As a result, for each block of content in the scheme of learning we have provided the following 'small step' breakdown for this unit as follows: Lesson One - Construct sample spaces for one or more events. Lesson Two - Find probabilities from a sample space. Lesson Four - Find probabilities from two-way tables. Lesson Four - Find probabilities from Venn diagrams. Lesson Five - Use the product rule for finding the total number of possible outcomes. Interleaving/Extension of previous work Revisiting Venn diagrams and set notation. Links to representing data and using graphs in other areas of the curriculum. Use the product rule for counting. 		be designed to un structure of the mo the student's under students talk about concepts, they sho vital mathematico helps them explain Students are expe encouraged to us during all discussio	,	
 What prior learning supports understanding of this Understand and use set notation. Draw and interpret Venn diagrams. Understand and use the language of probate Calculate the probability of a single event. Use the sum of probabilities of an event as 1. 	 Review of a single event p experimental. Understand and work with events. Construct and interpret tree Find probabilities from free diagrams. 	 experimental. Understand and work with mutually exclusive and independent events. Construct and interpret tree diagrams. Find probabilities from frequency trees, tables and Venn diagrams. 		
 Reading: Where in the unit are students supported complex academic text? Reading and understanding mathematical or problems' – teacher input. Decoding complex examination questions - they are asking the student to do' – teacher Following instructions to solve problems - bre tasks – teacher input. Recognising terminology, numbers, and sym Recognising patterns and relationships in modematical complex asking the student relationships in modematical complex. 	 Using the correct subject s symbols – examination papers, explain what input. Self-evaluation, reviewing, class books, personalised le Creating notes that can be books, revision cards, minor 	examination papers, class books.		

Key assessments:

How will students review the information learned?

End of block assessments.

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 covered.

A Core paper – it is envisaged that all students will take this paper, to provide a direct comparison with the performance of the rest of the cohort. All topics from each term will be covered, and the use of a calculator is expected.

End of term assessments.

material with more straightforward questions. Non calculator paper.

A Higher paper – students who are working at or above national expectations will have the opportunity to tackle more challenging questions on the same material, plus the extra objectives indicated as "Higher" in our scheme of learning. Non calculator paper. How will feedback be seen?

Personalised learning checklists for end of term 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.