



I Can Statement - Year 8 Maths

Topic Overview - Representing Data	Pre-taught Vocabulary	
In this unit, we will build upon our foundational knowledge of chance by formalising how we record, describe, and analyse the frequency of outcomes using the 0 to 1 probability scale. A major focus of this block is representing sample spaces systematically. We will learn to construct clear sample spaces for one or more events and extract precise theoretical probabilities from them. Additionally, we will develop statistical fluency by reading and calculating probabilities directly from two-way tables and Venn diagrams. For the higher strand, we will progress to using the formal product rule to determine the total number of possible outcomes for combined scenarios.	Sample Space	Two-Way Table
	Venn Diagram	Product Rule (Higher):
	Probability: Outcome:	Combined Event:
	Theoretical Probability: The calculated likelihood of an event happening based on ideal mathematical conditions.	

RAG Rating:		Start	End	Teacher
1.	I can construct complete sample spaces to clearly show all the possible outcomes for one or more events.			
2.	I can find and calculate exact theoretical probabilities directly from a completed sample space.			
3.	I can read, interpret, and find precise probabilities from information organized in two-way tables.			
4.	I can analyze data sets within Venn diagrams to successfully find the probability of specific events.			
5.	Higher: I can use the product rule to efficiently calculate the total number of possible outcomes for a series of events.			