Year 7	Term 6		
Stage	**Description**		
	Section A Sequences	**Section B** Theoretical Probability	**Section C** Experimental Probability
Emerging	• Describe a number sequence. • Find the next term in a linear sequence. • Find a missing term in a linear sequence.	• Use everyday language to talk about chance. • Classify events as certain, possible, or impossible.	• Determine the probability of an event happening from a worded example. • Give probabilities in an appropriate notation.
Developing	• Use a term-to-term rule to generate a linear sequence. • Use a term-to-term rule to generate a non-linear sequence. • Find the term-to-term rule for a sequence.	• Determine the theoretical probability of simple events using percentages, fractions and decimals. • Systematically find all possible outcomes of an event using sample space diagrams.	• Understand and use relative frequency as an estimate of probability • Make predictions using relative frequency.
Secure	• Generate terms in a sequence using the Nth term rule of a sequence. • Can justify a number being part of or not part of a sequence.	• Determine the probability of an event happening from a table of data. • Calculate a probability and show ordered methods for calculation.	• Can organise data into a Venn diagram. • Use a Venn diagram to calculate the probability of an event happening.
Excellence	• Solve problems involving the term-to-term rule for a non-numerical sequence. • Understands the difference between a geometric sequence and a quadratic sequence. • Can find numbers in a Fibonacci sequence.	• Compare theoretical and experimental probabilities. • Identify what a fair scenario is and how to make a unfair scenario fair.	• Can construct a Venn diagram, using it to sort data. • Understands how to then use the Venn diagram to give probabilities.