Overview of Chance

	Foundation	Lower Primary	Middle Primary	Upper Primary	Lower Se	econdary	Middle Secondary
Recognising Uncertainty	 recognise and respond to unpredictability and variability in events 	 identify outcomes of simple chance events, such as the rolling of a die 	 appreciate concept of fairness of chance games 	 appreciate bo predictability a variation 	oth long-term nd short-term		 classify events as dependent or independent find and interpret expected value e.g. of gain or loss
Describing and Quantifying Chance	 use terms such as sometimes, always and never to describe events 	• use terms such as certain, likely, unlikely and impossible to describe the likelihood of events	qualitative comparison of likelihood (eg recognise chance of red from spinner depends on amount of red & equal amounts of red and blue give equal chance)	 quantify simple probabilities as fractions and decimals between 0 and 1 	calculate theoretical probabilities using symmetry etc	 use tree diagrams to list outcomes and calculate probabilities 	• calculate probabilities for complementary, mutually exclusive, compound, dependent and independent events, using lists, tree diagrams, venn diagrams, two-way tables
Chance experiments	 play games with random elements (e.g. dice) 	• use spinners and dice in simple chance experiments	plan and conduct chance experiments	• design simula simple chance	ations for events	• generate random numbers e.g. for simulations	• estimate probabilities from surveys, experiments, samples and simulations
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