

### Capacity Matrix - Mathematics - Chance Events (Probability)

Name: \_\_\_\_\_

AIM	Capacity	Capacity Breakdown	LEARNING			GOING FURTHER		
			Information (I have heard of this)	Knowledge (I understand and can explain this)  Possible Student Tutorial (I.e. Using Doceri)	Know-how (I can do this on my own)	EVIDENCE  (Maths book page number)	Wisdom (I can teach others)	Evidence of Wisdom (I have taught others)  Student Name or Hyperlink to Student Tutorial (I.e. Using Doceri)
To understand and use the language of chance	Language of Chance	Identify outcomes of familiar events involving chance and describe them using everyday language such as 'will happen', 'won't happen' or 'might happen'  (ACMSP024)						
		Students classify outcomes of simple familiar events.						
		Identify practical activities and everyday events that involve chance.  Describe outcomes as 'likely' or 'unlikely' and identify some events as 'certain' or 'impossible'  (ACMSP047)						
		They describe outcomes for everyday events.						
		Describe possible everyday events and order their chances of occurring  (ACMSP092)						
		Identify everyday events where one cannot happen if the other happens  (ACMSP093)						
		Identify events where the chance of one will not be affected by the occurrence of the other  (ACMSP094)						
		Students identify dependent and independent events.						
		Students list the probabilities of everyday events.						
		List outcomes of chance experiments involving equally likely outcomes and represent probabilities of those outcomes using fractions  (ACMSP116)						
		Recognise that probabilities range from 0 to 1  (ACMSP117)						
		Describe probabilities using fractions, decimals and percentages  (ACMSP144)						
		Students list and communicate probabilities using simple fractions, decimals and percentages.  Assign probabilities to the outcomes of events and determine probabilities for events  (ACMSP168)						
		Students determine the sample space for simple experiments with equally likely outcomes and assign probabilities to those outcomes.						
To conduct chance events and identify outcomes	Conducting Chance Events	Conduct chance experiments, identify and describe possible outcomes and recognise variation in results  (ACMSP067)						
		Students conduct chance experiments and list possible outcomes.						
		Conduct chance experiments with both small and large numbers of trials using appropriate digital technologies  (ACMSP145)						
		Compare observed frequencies across experiments with expected frequencies  (ACMSP146)						
		Students compare observed and expected frequencies.						
		Students list and communicate probabilities using simple fractions, decimals and percentages.  Construct sample spaces for single-step experiments with equally likely outcomes  (ACMSP167)						