Capacity Matrix - Mathematics - Chance Events (Probability)

Name:

			LEARNING				GOING FURTHER	
AIM	**Capacity**	**Capacity Breakdown**	**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 choice	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 conduct chance experiments and list possible outcomes and recognise variations in results.						
		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)						
		They specify, list and communicate probabilities of events using simple **ratios**, 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 of events, **including those where outcomes of trials are generated with the use of digital technology**.						
		Construct **sample spaces for single-step experiments** with equally likely outcomes (ACMSP167)						