Unit 2: Probability

CCSS	4 – Mastery	3 – Proficient	2 - Basic	1 – Below Basic	0 – No Evidence
Describe sample space (S.CP.1)	Can extend thinking beyond the standard, including tasks that may involve one of the following: • Designing • Connecting • Synthesizing • Applying • Justifying • Critiquing • Analyzing • Creating • Proving	Describe events within the sample space using characteristics **or as unions, intersections, or complements of other events (with and without notation)**	**Describe** events within the sample space using characteristics	**Identify** events in a sample space	Little evidence of reasoning or application to solve the problem Does not meet the criteria in a level 1
Independent and conditional probability (S.CP.2, S.CP.3, S.CP.5, S.CP.6, S.MD.6, S.MD.7)		Recognize, determine **and use** independent and conditional probability in contextual problems Apply probability concepts to **analyze and make fair decisions** related to real-world situations	Recognize and determine independent **and conditional probability** in contextual problems	Recognize and determine **independent probability** in contextual problems.	
Construct frequency tables (S.CP.4)		Construct a two-way frequency table for data, use the table to determine independence, **and** calculate conditional probabilities from the table	Construct a two-way frequency table for data **and use the table** to determine independence or calculate conditional probabilities from the table	**Construct a two-way frequency table** for data	
Apply rules of probability (S.CP.7, S.CP.8)		Apply the addition and multiplication rules in a probability model **and interpret the answer in context of the situation**	Apply the addition **and** multiplication rules in a probability model	Apply the addition **or** multiplication rules in a probability model	