"Student-Friendly" Standards for CCGPS Analytic Geometry

Unit 7 | Applications of Probability

Standard Code	Mastery Level	Standard
S.CP.1		Define a sample space and events within the sample space.
		Identify subsets from sample space given defined events, including unions, intersections and complements of events.
S.CP.2		Identify two events as independent or not.
		Explain properties of independence and conditional probabilities in context and simple English.
S.CP.3		Define and calculate conditional probabilities.
		Use the Multiplication Principle to decide if two events are independent and to calculate conditional probabilities.
S.CP.4		Construct and interpret two-way frequency tables of data for two categorical variables. • Calculate probabilities from the table. • Use probabilities from the table to evaluate independence of two variables.
S.CP.5		Recognize and explain the concepts of independence and conditional probability in everyday situations.
S.CP.6		Calculate conditional probabilities using the definition: "The conditional probability of *A* given *B* is the fraction of *B*'s outcomes that also belong to *A*." Interpret the probability in context.
S.CP.7		Identify two events as disjoint (mutually exclusive). • Calculate probabilities using the Addition Rule. • Interpret the probability in context.