Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	**Standard:** 7.SP.7b - Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process.
Statistics and Probability **Investigate chance processes and develop, use, and evaluate probability models.**	Questions to Focus Learning What is the difference between theoretical and experimental probability? What type of event alters probability? Models of equal/not equal outcomes are developed to be used in determining the probability of events and allow us to concretely understand the probability of events. Student Friendly Objectives *Knowledge Targets* I know how to compare the predictions to the outcomes of the experiments. I know how to compare outcomes from theoretical probability to experimental probability (e.g. Do the outcomes for a spinning penny appear to be equally likely based on the observed frequencies?). *Reasoning Targets* I can perform probability experiments and compare these results to theoretical probability. I can replicate experiments to compare results (e.g. experiments can be replicated by the same group or by compiling class data). I can conduct experiments using various random generating devices (e.g. bag pulls, spinners, number cubes, coin toss, colored chips/marbles, etc.). *Performance Targets* I can collect data using physical objects, graphing calculators, and Web-based simulations.

	Vocabulary experimental probability frequency theoretical probability uniform probability Teacher Tips Vertical Progression

The above information and more can be accessed for free on the Wiki-Teacher website.
Direct link for this standard: 7.SP.7b