

### 7<sup>th</sup> Grade Probability Unit

7.S.8 Interpret data to provide the basis for predictions and to establish experimental probabilities.

7.S.10 Predict the outcome of experiment

7.S.11 Design and conduct an experiment to test predictions

7.S.12 Compare actual results to predicted results

#### Unit Notes:

- 6<sup>th</sup> grade probability standards are Post-March and thus will occur on the 7<sup>th</sup> grade State Exam
- The 7<sup>th</sup> grade focus is on making predictions about an experiment, conducting the experiment, and then comparing actual to predicted results. Many of these standards overlap and can be taught through a series of experiments.
- After reviewing the released state questions, all of the 7<sup>th</sup> grade samples look at making predictions about single event probabilities and not compound events.
- Students will need to determine probabilities of compound events, but they are not asked to make predictions and compare theoretical and experimental probabilities of compound events.

#### Unit Vocabulary

\*Other probability vocabulary and definitions can be found in the units for 5<sup>th</sup> and 6<sup>th</sup> grades.

Word	Definition
Experimental Probability	1) Probability based on experimental data; 2) the ratio of the total number of times the favorable outcomes happens to the total number of times the experiment is done found by repeating the experiment several times
Theoretical Probability	The chance of an event happening, it is a prediction