Unit 7: Probability

Content Area: **Math**
Course(s): **Math**
Time Period: **March**
Length: **3-4 weeks**
Status: **Published**

Enduring Understandings

SWBAT:

- Identify the possible outcomes of a situation.
- Explain the meaning of experimental and theoretical probability.
- Make predictions using probabilities.
- Solve real-life problems using probability.

Essential Questions

How can we:

- Understand how the probability of an event indicates its likelihood
    - Find the sample space of an experiment.
    - Use probability and relative frequency to describe the likelihood of an event.
    - Use relative frequency to make predictions

- Develop probability models using experimental and theoretical probability
    - Explain the meanings of experimental and theoretical probabilities.
    - Find experimental and theoretical probabilities.
    - Compare experimental and theoretical probabilities.
    - Use simulations to find experimental probabilities

- Find sample spaces and probabilities of compound events
    - Find the sample space of two or more events.
    - Find the total number of possible outcomes of two or more events.
    - Find probabilities of compound events

- Design and use simulations to find probabilities of compound events
    - Design a simulation to model a real-life situation.
    - Recognize favorable outcomes in a simulation.
    - Use simulations to find experimental probabilities

Benchmark Assessments

Schoolwide Benchmark assessments:

- Linkit Benchmarks (Form A in September, Form B in January, Form C in June): Linked to NJSLA standards

Additional Benchmarks used in this unit:

- IXL Diagnostic + continued practice during IXL periods

Formative Assessments

Formative Assessments used in this unit:

- Kahoot! Games
- Quizizz Games
- Homework
- Q & A
- Scavenger Hunts
- Coloring Activities
- Task Cards
- Partner Activities

Summative Assessments

Summative assessments for this unit:

- Chapter Test
- Quizzes

Instructional Materials

1. Big Ideas Math: Math & You 6th Grade Textbook
2. Quizizz
3. Kahoot!

4. Scavenger Hunts
5. Task Cards
6. Coloring Activities
7. GimKit

Standards