Unit 8: Statistics

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

Enduring Understandings

SWBAT:

- Determine the validity of a conclusion.
- Explain variability in samples of a population.
- Solve a problem using statistics.
- Compare populations.

Essential Questions

How can we:

- Determine the validity of a conclusion.
    - Explain why a sample is biased or unbiased.
    - Explain why conclusions made from a biased sample may not be valid.
    - Use an unbiased sample to make a conclusion about a population
- Explain variability in samples of a population.
    - Use multiple random samples to make conclusions about a population.
    - Use multiple random samples to examine variation in estimates.
- Solve a problem using statistics.
    - Find the measures of center and variation of a data set.
    - Describe the visual overlap of two data distributions numerically.
    - Determine whether there is a significant difference in the measures of center of two data sets
- Compare populations.
    - Compare random samples using measures of center and variation.
    - Recognize whether random samples are likely to be representative of a population.
    - Compare populations using multiple random samples

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