Kindergarten 100 Days of School Collaboration Instructions

Materials List:
Ziplock Bags
Elbow macaroni
Pennies
Cheerios
Small gumballs
Popsicle Sticks
Bags - clear
Scale

Resource List:
Printable resources - Images File
Connection Information

Kindergarten Classes
Pre-Connection Reading Activity:
Suggested reading (or other book about 100 days of school)
- 100 Days of School by Trudy Harris and Beth Griffis Johnson
- The Night Before the 100th Day of School by Natasha Wing and Mindy Pierce
- The 100th Day of School by Angela Shelf Medearis

Pre-connection Math Activity
- Each class would be responsible to count and bag 100 items. Bag in groups of ten. **Class #1** sticks, macaroni elbows, and Cheerios **Class #2** sticks, pennies, and gumballs. (Differentiation: Start with counting the pennies, gumballs/elbows, Cheerios; follow with a discussion about making bundles of 10 sticks to make counting more efficient)

Connection
45 - 60 minute connection depending on differentiating
- Introduce class, give location, school information
- Share what items they have counted out before the connection
- The goal is to arrange the items from lightest to heaviest.

Predict
- (5 minutes) Each class will take 5 minutes to discuss the order of lightest to heaviest of all three items.

- - Class #1 teacher would select 5 students to hold up picture of three items and show the order the class predicted.
  - Class #2 teacher would select 5 students to hold up picture of three items and show the order the class predicted.

Test Prediction:
- (5 - 10 minutes) Each class will take 5 minutes to put their 3 items in order from lightest to heaviest using a method appropriate for their grade level. Use a scale or students can physically hold and gauge. See below - differentiating and select which is appropriate for your classroom.)
- Class #1 shares the order of their 3 items
- Class #2 shares the order of their 3 items
- Now the classes will need to combine their findings and determine the order of ALL of the objects (common factor is the sticks) using the pictures.
  - Teaches will select students to state what item is the lightest, and select a new student alternating classes until all items are organized.
    - As students are naming the items students in each classroom can hold up the pictures in the order stated
    - Students will be able to see the order and the common factor

Reading (ELA)

- KRF4: Demonstrate understanding of spoken words, syllables, and sounds (phonemes).
  - KRF4a: Recognize and produce spoken rhyming words.
  - KRF4b: Blend and segment syllables in spoken words.
- RLK1: Ask and answer questions about what is heard in a simple, informative text.
  - RLK1a: Ask and answer questions about key details in a text.
  - RLK1b: Use illustrations and details in a text to answer questions.
- RI.K1: With prompting and support, ask and answer questions about key details in a text.
  - RI.K1a: With prompting and support, ask and answer questions about key details in a text.
  - RI.K1b: With prompting and support, use illustrations and details in a text to answer questions.

Writing (ELA)
- WLK1: Use a combination of drawing, dictating, and writing to narrate a simple personal story.
  - WLK1a: Develop a topic, write simple sentences, and provide some details.
  - WLK1b: Include some sequencing of events.
  - WLK1c: use clear and descriptive language.

- L.K.1: Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
    - L.K.1a: Form complete sentences.
    - L.K.1b: Use correct pronouns and verb conjugations.
    - L.K.1c: Spell simple words correctly.

Speaking and Listening (ELA)
- **SLK1: Participate in collaborative conversations with peers and adults. **
    - SLK1a: Follow rules for conversation.
    - SLK1b: Build on the ideas of others and ask questions to clarify.
    - SLK1c: Share information from personal experiences.

Mathematics (Math)
- K.N.A.1: Understand and use numbers, place value, and number words.
    - K.N.A.1a: Count with understanding to 100.
    - K.N.A.1b: Understand place value to 10.
    - K.N.A.1c: Represent numbers and operations using manipulatives.
- K.MD.A.1: Describe and compare measurable attributes.
    - K.MD.A.1a: Length (longer, shorter)
    - K.MD.A.1b: Weight (heavier, lighter)
- K.CC.A.3: Compose and decompose numbers.
    - K.CC.A.3a: Separate a whole number (10 or less) into smaller parts and recombine parts to make the whole.
- K.G.A.2: Analyze, compare, and classify geometric shapes.
    - K.G.A.2a: Classify objects and shapes by given attributes.

NYS Computer Science & Digital Fluency (K-1)
- Computational Thinking: Problem Solving & Algorithms
    - K-1.CT.1 - Identify and describe one or more patterns (found in nature or designed), and examine the patterns to find similarities and make predictions.
    - K-1.CT.2 - Identify different kinds of data that can be collected from everyday life.
    - K-1.CT.3 - Identify ways to visualize data, and collaboratively create a visualization of data.
    - K-1.CT.4 - Identify a problem or task and discuss ways to break it into multiple smaller step
    - K-1.CT.6 - Follow an algorithm to complete a task.

Networks and Systems Design
    - K-1.NSD.1: Identify ways people provide input and get output from computing devices.
    - K-1.NSD.2: Identify basic hardware components that are found in computing devices.