

**Investigations: Kindergarten (3rd 9 weeks)**

Book: **Collecting, Counting and Measuring**

Session: **Investigation 2: Taking Inventory**

Page: 22-35

**1. Concept:**

- ✓ Students will count items in inventory bags and represent their work using pictures, number or words.

**2. CSOs:**

- ✓ M.O.K. 1.3

**3. Technique/Procedure/Introduction/Set:**

- ✓ Make inventory bags, 1 per pair plus extras, by filling small bags with 5-12 identical classroom items. Place a different kind of item in each bag. Label each bag with a letter and name of the items inside. Possible items include erasers, pencils, buttons, paper clips, crayons, cubes, teddy bear counters, etc.
- ✓ Duplicate students sheet 2, My Inventory Bag (p. 124) Duplicate enough copies each student and choice time.
- ✓ Use the inquiry question; *"Today I thought of another time when I have counted a set of something, Can you think of a time when you have done the same?"* Introduce the idea of "Taking an Inventory" which means: to count and find out how many of something there is.
- ✓ Model counting the items in an inventory bag and show on chart paper, different ways to represent the items.

- ✓ Place children in pairs and give each pair an inventory bag. Each child will make their own representation on a separate recording sheet. *"Together you'll need to figure out how many objects are inside. Then you'll each make your own representation that shows what kinds of things are in the bag and how many there are."*

#### **Closure:**

- ✓ Encourage children to use thinking, reasoning, and sharing skills. Ask a volunteer to show their work to the class and explain their results. Ask *"Did anyone draw a picture to represent their data? Now, did anyone represent their items differently?"*

#### **4. Today's Math/Assessment:**

- ✓ Through observation the teacher will assess how the child represents their inventory on paper and also follow if the students are double checking their work with their partners.

#### **5. Materials:**

- ✓ Recording sheet found on page 124
- ✓ Brown paper lunch bags, labeled with letter identification and filled with 5-12 items.
- ✓ Various art materials for representation and recording

#### **6. Vocabulary:**

- ✓ Represent
- ✓ Inventory

#### **7. Choice Time:**

- ✓ Inventory bags
- ✓ My Counting Books
- ✓ Grab and count
- ✓ Counting jar