ME and the MEASURE of Things by Joan Sweeney

Second Grade Math Lesson – 40 minute introduction lesson

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Math Objectives:

- VBO 2.28 Measure weight in customary units (SOL 2.15)
- VBO 2.29 Use actual measuring devices to compare customary units (SOL 2.17)

Language Arts Objectives:

- 2.2 Use listening skills to develop and support comprehension
- 2.9 Organize and record information by charting
- 2.11 Write daily across the curriculum using a variety of formats

Materials:

- ME and the Measure of Things by Joan Sweeney
- Scales
- Measuring cup
- Ruler
- Math reflection journal
- Gummy Bears (1 pound/ 4 students)
- Bowls
- Gummy Bear Weight Sheet
- Chart paper
Measurement, ounce, pound, ton word cards

Procedure:

Introduction:

1. T will show students a scale, measuring cup, and ruler. S will have “think time” to discuss with their team what these three things have in common.
2. S will share with the class their ideas. S will write what they think “measurement” means in their math reflection journal. T will display the word “measurement” on the board.
3. T will introduce the term “measurement”.

Main Lesson:

1. T will tell students that the measuring cup is used to measure liquids and the ruler is used to find out how long things are, but today they will be learning about the scale as a device for measuring weight.
2. S will discuss with their partner things they measure at home. The pairs will share and the teacher will record on chart paper.
3. T will introduce the book ME and the Measure of Things. Starting on page 12 the teacher will read about the weight of gummy bears through page 15.
4. T will display the words “ounce”, “pound”, and “ton” on word cards to display on the board.
5. T will give each pair a bowl of gummy bears, a scale, and gummy bear weight chart. S will have “exploration” time to manipulate the gummy bears and the scale.
6. After exploring, the T will demonstrate the correct method for measuring and reading the scale.
7. Using the gummy bear weight chart, S will weigh and record the set number of gummy bears.
8. After completing the chart, S will combine gummy bears with another pair of students and see how many gummy bears would equal one pound. (Pg. 17 in book)

9. Kids can eat the gummy bears!

Closure:

1. At this point the T will stop the students and focus them on appropriate units of measure for different amounts of items.
2. T will distribute picture cards to each student. S will sort themselves into groups around the room under the headings ounce, pound, and ton. (Teacher will move word cards while students are measuring during main lesson).
3. After S are sorted, each child will hold up his/her card and tell why they are standing under their unit. Class will discuss any disagreements or incorrect answers.
4. S will then return to their math reflection journal and using the words measurement, ounce, pound, and ton S will create a simple story. T will model using the gummy bear activity, but S work must be original.

Ex. Today I learned about measurement. A handful of gummy bears weigh one ounce. Sixteen ounces of gummy bears equal one pound. We didn’t have enough to make a ton!

5. T will assess S understanding of measurement, ounce, pound, and ton through story.

*** Additional sections of the book can be used when teaching length and volume.
Gummy Bear Weight Chart

Names: __________________________________________

Weigh and record each amount of gummy bears.

<table>
<thead>
<tr>
<th>Gummy Bears</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>
How many gummy bears do you need to make a pound? __________