



Broward County Public Schools Videoconference

Reading Rascals

Lesson: Measuring Matter

Instructor: Dr. Evelyn Nelson-Weaver
BECON Distance Learning Teacher

Grade Level: First Grade

Sunshine State Standard: SC.A.1.1, SC.A.2.1, and SC.H.3.1

Benchmark: SC.A.1.1.1, SC.A.2.1.1, and SC.H.3.1.1

Objective(s):

1. Students will compare objects and classify them as a solid, liquid, or gas.
2. Students will recognize that many things are made of smaller pieces, different amounts, and various shapes.
3. Students will be able to identify at least one way of measuring each state of matter.

SCIENCE SKILL EMPHASIS: Measure.

LITERATURE CONNECTION:

Book Title: What Is the World Made Of?

Author: Kathleen Weidner Zoehfeld **Illustrator:** Paul Meisel

Publisher: HarperCollins Publishers, New York, NY (1998)

Summary: A picture book describing the forms of matter.

Book Title: Me and the Measure of Things

Author: Joan Sweeney **Illustrator:** Annette Cable

Publisher: Dell Dragonfly Books, New York, NY (2001)

Summary: This picture book features an introduction to units of measure using tools like rulers, scales, cups, and baskets.

Book Title: 101 Science Poems & Songs for Young Learners

Author: Meish Goldfish **Illustrator:** Bari Weissman

Publisher: Scholastic, Inc., New York NY (1996)

Summary: Colorful illustrations accompany poems and hands-on science activities for children in grades 1–3.

GROUP ACTIVITY:

- Videoconference Instructor will read pages 6 – 8 in What Is the World Made Of? As a review of matter. Students will answer the following questions:
 - What is made of matter? *Everything on earth.*
 - What are the three states of matter? *Liquid, solid, gas*
- Show video clip *Introduction to Matter and Its Properties: Measuring Matter*. United Learning(1999).
- Instructor will read Me and the Measure of Things
 - Students will complete the Measure Me worksheet in order to identify the appropriate measurement tool. (see the end of lesson plan for worksheet)

- Conduct measurement demonstrations, asking students to suggest most appropriate way to measure each item.
 - Weight of gas – Complete *Weigh Air* experiment from 101 Science Poems & Songs for Young Learners. (page 9)
 - Weigh grapes, package, teacher – Scale
 - Measure water – Glass beaker
 - Measure flour – Cup
 - Measure salt - Spoons

MATERIALS NEEDED: *Measure Me* student worksheet (optional)

EXTENSION:

Related Website:

Matter and Its Properties: Measuring Matter. United Learning(1999). Retrieved October 22, 2007, from unitedstreaming: <http://streaming.discoveryeducation.com/>

Measure Me

Name: _____

Match the item with the correct measuring tool.

milk

ruler

strawberries

scale

sugar

gallon

gummi bears

tablespoon

postage stamp

pint basket