



## *Broward County Public Schools Videoconference*

### **Reading Rascals**

**Lesson:** Let's Experiment

**Instructor:** Dr. Evelyn Nelson

BECON Distance Learning Teacher

**Grade Level:** First Grade

**Sunshine State Standard:** SC.A.1.1 and SC.H.1.1

**Benchmark:** SC.A.1.1.1, SC.H.1.1.2, and SC.H.1.1.5

**Objective(s):**

1. Students will be able to describe, classify, and compare objects by their composition and physical properties.
2. Students will use the scientific processes to observe things.
3. Students will recognize that when experiments are repeated under the same conditions, similar results are usually obtained.
4. Students will understand that there people use a scientific process when finding answers to their questions.
5. Students will use their senses, tools, and instruments to obtain information about their surroundings.

**SCIENCE SKILL EMPHASIS:** Question.

**GROUP ACTIVITIES:**

- The videoconference instructor will introduce the basic concepts in the scientific process as a review of last week's introduction to science skills. Today's lesson will focus on the first step in the process, the question.
- The videoconference instructor will lead students through an exploration of various objects and hypothetical situations. Students will formulate questions to be investigated through observation and experimentation.

**LITERATURE CONNECTION:**

**Media Presentation:** *Introduction. Laws of Motion. 100% Educational Videos* (1999). Retrieved August 22, 2007, from

unitedstreaming: <http://www.unitedstreaming.com/>

- Questions are the first step in the scientific process. Scientists first want to know how, why, when, or where something happens. What does Mr. Newton want to find out?
  - Why do things fall?
  - Why do they always fall down?

**Book Title:** What's Going On?

**Author:** Rozanne L. Williams **Illustrator:** Gwen Connelly

**Publisher:** Creative Teaching Press, Cypress, CA (1994)

**Summary:** Simple text and pictures help children use their senses to solve a mystery.

- **EXAMPLE: What is cooking? Pg. 2**
- Ask students to formulate a question regarding the picture on the pages.
- **What do you want to know?** Let's use our senses.
- *Students will use their five senses to answer the question.* (Hear, see, smell, taste, and touch)

**Book Title:** What Do We Need?

**Author:** Trisha Callella      **Photographer:** Michael Jarrett

**Publisher:** Creative Teaching Press, Cypress, CA (1996)

**Summary:** Simple text and pictures help children learn what they and their pets need to stay alive

- **EXAMPLE: What is one thing that people need to stay healthy? Pg. 4**
- Ask students to formulate a question regarding the picture on the pages.
- **What do you want to know?** Let's read and learn.

**Book Title:** See How It Grows

**Author:** Kimberlee Graves      **Illustrator:** Marilyn Barr

**Publisher:** Creative Teaching Press, Cypress, CA (1994)

**Summary:** Simple text and pictures to describe the life cycle of the butterfly.

- **EXAMPLE: How does a flower begin to grow? Pg. 3**
- Ask students to formulate a question regarding the picture on the pages.
- **What do you want to know?** Let's read and learn.

**Book Title:** Buttons, Buttons

**Author:** Rozanne L. Williams      **Illustrator:** Keith Bergher

**Publisher:** Creative Teaching Press, Cypress, CA (1994)

**Summary:** Simple text and pictures demonstrate sorting buttons by color, shape, and size.

- **Read book to students.**
- Show students a pile of assorted buttons.
- **What do you want to know?** Let's classify.
- *Students will identify three ways to classify buttons. (Color, shape, and size)*

**Book Title:** It's Melting

**Author:** Rozanne L. Williams      **Illustrator:** Randy Chewing

**Publisher:** Creative Teaching Press, Cypress, CA (1994)

**Summary:** Simple text and pictures describes how matter reacts to heat energy..

- Ask students: **Remember this book? What did we learn about heat energy?** (It melts things)
- Show students an ice cube and a pot of boiling water.
- **What do you want to know?** Let's experiment!

**Book Title:** Solids, Liquids, & Gases

**Authors:** Louise Osborne and Carol Gold      **Photographer:** Ray Boudreau

**Publisher:** Kids Can Press Ltd., Tonawanda, NY (1998)

**Story Summary:** Thirteen hands-on activities encourage children to explore the three states of matter and their characteristics.

- Ask students: **Let's have some fun with three types of matter: solids, liquids and gases.**
- Show students the raisins and carbonated water. Also show bottle of plain water.
  - **What do you want to know?** Let's experiment!
  - *Why don't the raisins dance in plain water?* Conditions (type of water) are not the same.
- *See page 26 for the experiment.*

**Media Presentation:** Air: A First Look. Rainbow Educational Media (1999). Retrieved August 22, 2007, from unitedstreaming: <http://www.unitedstreaming.com/>

- Let's watch this video clip about air. **What do you want to know?**

**MATERIALS NEEDED:** None for students

**SHARING ASSIGNMENT:** Work with your students to pose a question that you can answer by observation, research, or experimentation. Select a student to share your question and answer.

**TEACHER RESOURCES:**

**Worksheet:** *Let's Experiment*

**Related Book:**

Harcourt Science: Physical Science, Units E and F. (2000). Orlando, FL. Harcourt School Publishers.

**Related Media Presentation:**

*Are Your Hands Really Clean?* Keeping Clean: Handwashing for Health. 100% Educational Videos (1999). Retrieved August 22, 2007, from unitedstreaming: <http://www.unitedstreaming.com/>