

**SCIENCE FOCUS LESSON****LP6****SUBJECT AREA: SCIENCE****GRADE LEVEL: 7****STRAND: H THE NATURE OF SCIENCE****BENCHMARK:SCA.1.3.2 SCH131,132,133,134, 136.335.336**

**BENCHMARK CLARIFICATION STATEMENT:** Student uses the scientific processes and habit of mind to solve problems. Students distinguish between observations and inferences. Students understand multiples trials must be performed to validate data. Students understand data must be recorded accurately and the results of an experiment must be reproducible. Students define the SI system of measurements and apply the SI units to length, volume and mass. Students distinguish between accuracy and precision measurements.

**INSTRUCTION DATE: MON. 10/06 - FRI. 10/10/ 2008****TIME FRAME:**  (10 – 15 MIN. Mini Lesson)**xx (50 – 90 MIN. Focus Lesson)****ASSESSMENT DATE: THUR. 10/09****ITEM TYPE: xx MC (multiple-choice) xx SR (short response)  ER (extended response)** **GR (girded response)**

**EXPLICIT DIRECT INSTRUCTION:** Students will complete a mini-lab to distinguish between observations and inferences. Students will record, analyze and graph data. Student will make an inference based on the results of the lab. Students will complete two column vocabulary notes, chapter overview and chapter note taking skill sheets. Students will review SI measurement and identify precise and accurate measurements.

**ATTACHED GRAPHICS (What type of graphics is appropriate if applicable: tables, graphs, etc.)****STUDENT ENGAGEMENT ACTIVITY / PRACTICE:**

- ♦ Students will complete paper towel mini-lab to organize observations and results in a data table. Students will complete lab reports and share results with other class members.
- ♦ Students will take measurements of different objects in the classroom to the nearest tenth of a centimeter. Students will compare measurements with classmates to understand accuracy and precise measurements.

**ALIGNED INSTRUCTIONAL MATERIALS & RESOURCES NEEDED:** Science book, reproducible resources, lab sheets, graphic organizers, paper towels (3 different brands), water, droppers, data table, metric ruler, balance, graduated cylinder.

Chapter 2

Homework assigned per lesson

**THINGS TO REMEMBER WHEN DELIVERING THE LESSON:**