

SCIENCE FOCUS LESSON

LP6

SUBJECT AREA: SCIENCE**GRADE LEVEL: 8****STRAND: H THE NATURE OF SCIENCE****BENCHMARK: SCH131,132, 133, 136.335.336, SCA131,133,231,232**

BENCHMARK CLARIFICATION STATEMENT: Student uses the scientific processes and habit of mind to solve problems: Students understand scientists use observations to make inferences. Students understand inferences are used to interpret, explain and indicate what is observed. Students will explain how different scientists contributed to the knowledge and model of the atom. Students understand the basic principle of the atomic theory. Students will describe the structure of an atom.

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

EXPLICIT DIRECT INSTRUCTION: Students will complete an observation and inference lab then analysis results. Students will work with assigned partner and present results of lab to class. Students will complete 3 column chapter vocabulary notes, chapter overview and chapter note taking skill sheet.

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

- ◆ Students will complete mini-lab to record, analyze and graph data.

ALIGNED INSTRUCTIONAL MATERIALS & RESOURCES NEEDED: Science book, reproducible resources, lab sheets, graph paper and graphic organizers, graduated cylinder, water, vegetable oil, test tube and food coloring.

Chapter 17

Homework assigned per lesson

THINGS TO REMEMBER WHEN DELIVERING THE LESSON: