

Grade 3 Drops on a Penny Lesson, Rotation 1

In this lesson students will use science methods to determine if soapy water and plain water behaves the same. They will ask questions, make a hypothesis, identify variables, follow procedures, collect data, and draw a conclusion based on their data.

Pre Visit Activities

Students should have completed:

Workbook pages: 1 -36

Vocabulary: pages 37 – 39, Science Method, Hypothesis, Variables, Infer, Predict

Inquiry Lab: Chapter 1, page 34, materials found in Bin 1

How does a microscope make your observations easier?

Other:

Day 1 Lesson: Drops on a Penny

Mr. Crosslin will lead the grade level in a guided investigation using the AV set up and classroom visits. Student worksheets provided.

Each student will do this activity – they need to share water and soap.

Materials Mr. Crosslin will provide for each student: a plastic barrel pipette, worksheet, two small cups (plain water, soapy water), dish soap, and 1 penny

Materials students/teacher provides for each student: pencil, scissors, water source, two brown paper towels, hand lens (from the science bins)

Post Visit Activities

Students will compare, contrast, draw pictures, write, discuss, and analyze how investigations and inquiry labs were alike and different. They will also complete the following:

Workbook pages: 37-49

Suggested Reading:

Inquiry Lab: Chapter 1, page 48 materials found in Bin 1

How can you design a parachute?

Other:

Grade 3 has five Bins and an Activity Planner (for Inquiry Labs) found in each Bin. Please take time before my first visit to look over the science supplies in your five Bins. I plan to use many of the Inquiry Labs from the units. Please locate a black and white handout titled “Activity Planner” to be used with Inquiry Labs. The activities associated with the Bins are designed for group work: 5 groups of 6 students. I will be referencing the Activity Planner and Preparation Guide and the materials in the Bins during my lessons.

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