



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Density Stations**

Type: Student Activity

Grade Level: Grade 8

Time Allotment: 1 - 90ish minute class

Objectives with Correlated SOLs:

PS.3 The student will investigate and understand that matter has properties and is conserved in chemical and physical processes. Key ideas include

a. Pure substances can be identified based on their chemical and physical properties

Materials List (including equipment):

- Blocks of different sizes
- Ruler
- Digital scale
- Marble x2
- Paper clip
- Ping-pong ball
- Coin (penny)
- Bottle cap
- Saltwater
- Freshwater x2
- Graduated cylinder x2 (50-mL)
- Soda
- Rubbing alcohol
- Hex nut
- Rock (that can fit into a graduated cylinder)
- Colored pencils
- Cup or beaker
- Calculator

Teacher Contact Information:

Ashley Moles

ashley.moles@vbschools.com