



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Science Challenge - Film Canister Mystery**

Type: Student Activity

Grade Level: Grade 8

Time Allotment: 30 minutes

Objectives with Correlated SOLs:

PS.1 The student will demonstrate an understanding of scientific and engineering practices by
e) developing and using models

- construct, develop, and use models and simulations to illustrate and/or explain observable and unobservable phenomena
- evaluate limitations of models

PS.2 The student will investigate and understand that matter is composed of atoms. Key ideas include

- a) our understanding of atoms has developed over time;

Materials List (including equipment):

- Film canisters
- Duct tape
- Electronic balances
- Magnets
- Small miscellaneous materials (macaroni, paper clips, tacks, legos, washers, marbles, pennies, cotton balls, corks, etc.)

Teacher Contact Information:

Susan Stephens

susan.stephens@wjccschools.org