



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Paper Clip Physics**

Type: Experiment

Grade Level: Grade 5

Time Allotment: 15 minutes

Objectives with Correlated SOLs:

- 5.1 The student will demonstrate an understanding of scientific and engineering practices by
- a) asking questions and defining problems
 - ask testable questions based on observations and predict reasonable outcomes based on patterns
 - develop hypotheses as cause-and-effect relationship
 - define design problems that can be solved through the development of an object, tool, process, or system
 - b) planning and carrying out investigations
 - collaboratively plan and conduct investigations to produce data
 - identify independent variable, dependent variables, and constants
 - determine data that should be collected to answer a testable question
 - take metric measurements using appropriate tools
 - use tools and/or materials to design and/or build a device that solves a specific problem

Materials List (including equipment):

- Paper Clips
- Medicine Cups
- Water

Teacher Contact Information:

Dawn Somerset

dsomerset@hampton.k12.va.us