



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Toilet Paper Strength Lab**

Type: Experiment

Grade Level: Grade 6

Time Allotment: 80 minutes, 1 Block Period

Objectives with Correlated SOLs:

6.1 The student will demonstrate an understanding of scientific and engineering practices by

a) asking questions and defining problems

- ask questions to determine relationships between independent and dependent variables
- develop hypotheses and identify independent and dependent variables
- offer simple solutions to design problems

b) planning and carrying out investigations

- independently and collaboratively plan and conduct observational and experimental investigations; identify variables, constants, and controls where appropriate, including the safe use of chemicals and equipment
- evaluate the accuracy of various methods for collecting data
- take metric measurements using appropriate tools
- use tools and/materials to design and/or build a device to solve a specific problem

Materials List (including equipment):

- 100 Pennies
- 2 Water Droppers
- 4-6 several science books to use as towers
- 3 brands of toilet paper (1 roll of each brand)

Teacher Contact Information:

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