



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Gravity Exploration Lab**

Type: Student Activity

Grade Level: Grade 6

Time Allotment: 1 hour

Objectives with Correlated SOLs:

6.2 The student will investigate and understand that the solar system is organized and the various bodies in the solar system interact. Key ideas include:

- a) matter is distributed throughout the solar system;
- b) planets have different sizes and orbit at different distances from the sun;
- c) gravity contributes to orbital motion; and
- d) the understanding of the solar system has developed over time.

Materials List (including equipment):

- 2 Meter sticks
- 1 weight scale (for human weight)
- 1 calculator
- Colored tape

Teacher Contact Information:

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