



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Exploring Energy Transformations Stations (Station 1)**

Type: Demonstration (Demo)

Grade Level: Grade 5

Time Allotment: 15 minutes

Objectives with Correlated SOLs:

5.4 The student will investigate and understand that electricity is transmitted and used in daily life. Key ideas include

d) electrical energy can be transformed into radiant, mechanical, and thermal energy; illustrate simple energy transformations: electrical to thermal, electrical to radiant, and electrical to mechanical.

Materials List (including equipment):

- Pencils
- Mini glow sticks
- Toys: Flashing bouncing balls, light- up yo-yos, wind-up robots, wind- up flying bus, mini maracas, mini hand clappers, goofy monster squeakers, crazy bird pop-ups

Teacher Contact Information:

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