

Physics Demonstration Day at Willis Middle School
Big Brothers/Big Sisters After-School Program
4:00 – 5:00
April 12, 2016

Event Program (Discussion leaders in parentheses)

1. Introductions and Opening Remarks (Zach)
2. Dancing Pith Balls and Charged Rods: Electrostatic charges and forces* (Zach)
3. Deflecting a Stream of Water: Electrostatic charges and forces* (Kamali)
4. Twirling Magnets: Magnets and Magnetic Forces* (Mark)
5. Inducing Current in a Solenoid Coil: Magnetic Induction* (Tom)
6. Pellet Race: Magnetic Induction and Lenz's Law* (Derek and Shouta)
7. Amazing Jumping Ring: Magnetic Induction and Lenz's Law* (Chin and Dr. H-K)
8. Nice Cream: Thermodynamics (Guillo and Dr. Fink)

Discussion leaders given in parentheses.

* Denotes demonstration suitable for volunteer participation from the audience.