

# Station 1:

## It's All Greek to Me

First, light the candle. Second, in the beaker, add spoonful of baking soda, then pour atop with some vinegar. Using a pouring motion, “pour” the beaker over the candle WITHOUT ACTUALLY POURING THE BAKING SODA AND VINEGAR ON THE CANDLE.

# Station 2:

## It's (Still) All Greek to Me

First, place an unlit match on the balance. Second, strike the match. Third, blow out the match. Fourth, place the burnt out match on the balance. Compare the masses.

# Station 3:

## Time for Dessert

First, blow up a balloon and tie it off (ONLY IF THERE ARE NO INFLATED BALLOONS AT YOUR STATION ALREADY).

Second, rub it on your hair and move it away from your hair.

Third, rub the balloon on your hair, then bring the balloon near the empty aluminum can. What happens?

# Station 4:

## Electronic Maneuvering

Play with the simulator at:

<http://phet.colorado.edu/en/simulation/balloons>

# Station 5:

## The Tissue Paper

## Deflected The Cannon

You are going to conduct Rutherford's experiment using slightly lower tech equipment and a slightly enlarged "atom". With the board resting on the floor (no fair looking under the board or picking it up!), roll marbles under the "atom" (aka the board structure) to ascertain the structures within the "atom".