**Electric Lemon!**

**Supplies:**
- Lemon (knife to cut in half)
- Plate
- 5 Pennies
- 5 Dimes
- Paper Towel

**Directions:**
1. Place a paper towel onto a plate
2. Squeeze lemon juice onto the paper towel until fairly saturated
3. Make a tower of coins, alternating the pennies and dimes, placing a portion of the lemon juice soaked paper towel between each coin.
4. Dampen your index fingers and hold the tower between your fingers - do not let your hands touch!
5. You have just created a “wet cell” - the original battery!
   a. Citric Acid acts as a conductor for the metals in the coins

**STE(A)M Subject:**
Chemistry and Electricity

**Related Badge(s) or Journey(s):**
(B) Home Scientist, Innovation (J) Product Designer (C) Innovation

**Additional Resources:**

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