Activity Plan

The Muscle Car Camp

Title of Activity: Duration:

Lemon Battery

1 hour

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Objective: ­

Introduce the basics of electricity by using a lemon as a battery to light up an LED.

Description: Materials:

1. Lemons
2. Nails
3. Pennies
4. LED
5. Resistor
6. Wires
7. Breadboard
8. Place an LED in series with a resistor on a breadboard.
9. Stick a penny and nail on opposite ends of a lemon.
10. Hook up a wire from the nail to the resistor and wire from the penny to the anode of the LED.

Relevant pictures of materials and final set up