LED Roomba®
Clean Button

iRobot®
Education

Materials:

- Tape
- LED
  (Suggested Product)
- CR 2032 Battery
  (Suggested Product)
- CLEAN Button printout
  (at end of this guide)
- Backing for Button
  (can be any material,
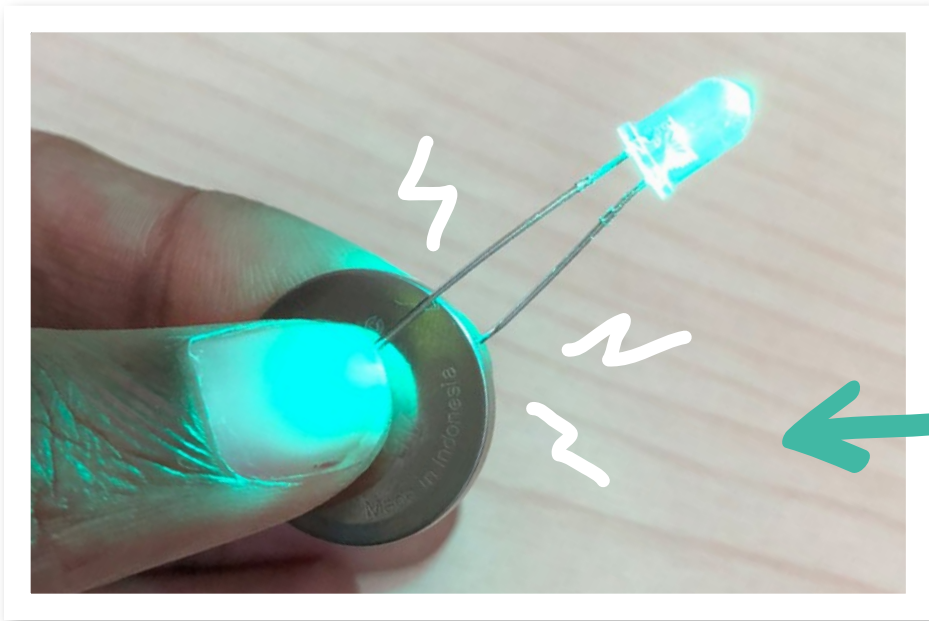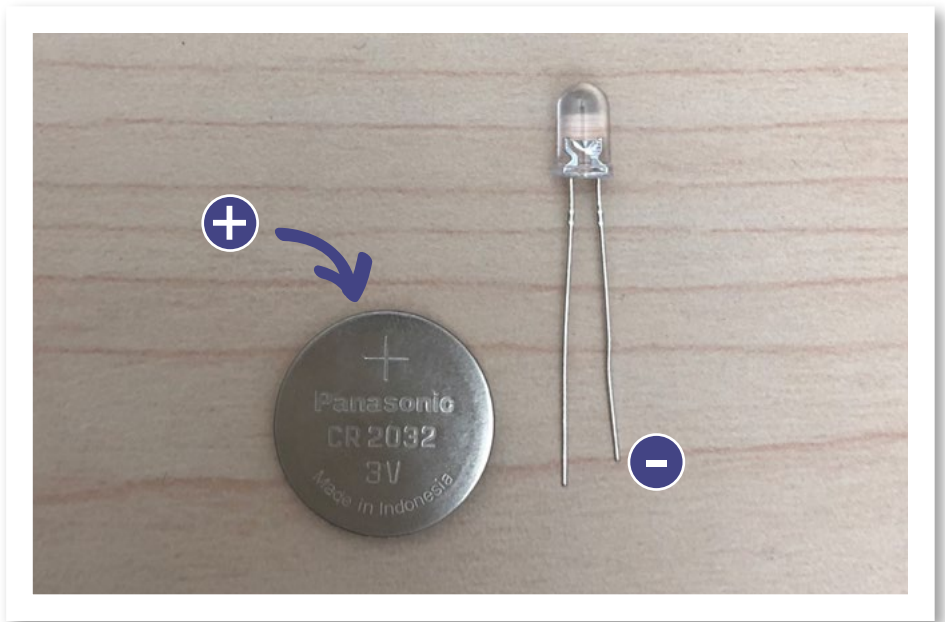 paper is easiest)

Tools:

- Scissors

Step 1:
Cut out Button Covers

Print the CLEAN button graphic and cut out the graphic. Cut out a similar sized circle in any material that works with tape for the backing, it's fine if it's slightly larger than the graphic.

Step 2:
Test the LED

The LED legs have two different lengths; the longer leg goes on the battery with the "+" sign, shorter leg on the other side. Pinch the legs against the battery to test the LED and it should light up!
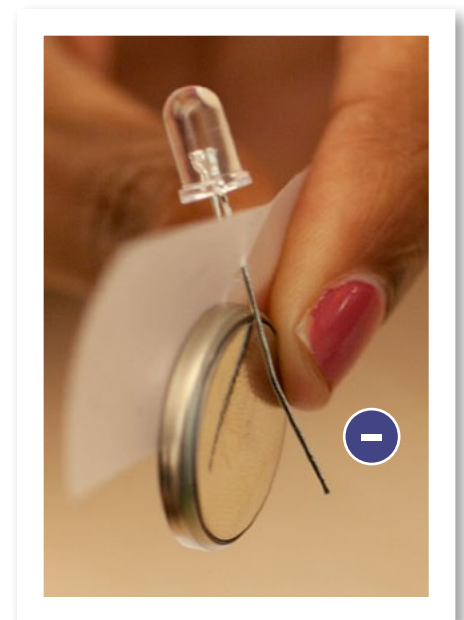

So what's happening?

The electricity from the battery is powering the LED,

Step 3:
Create Resistance

Take a piece of tape and cover the top half of the battery's "+" side. Poke the shorter LED leg through the tape so that comes down over the side of the battery.

You've now created the basis of your button!

Step 4:
Attach Button Back

Using the exposed tape, attach the button-LED config to the back cover of your battery. It's fine to use extra tape, just make sure the "+" LED leg still pops up.
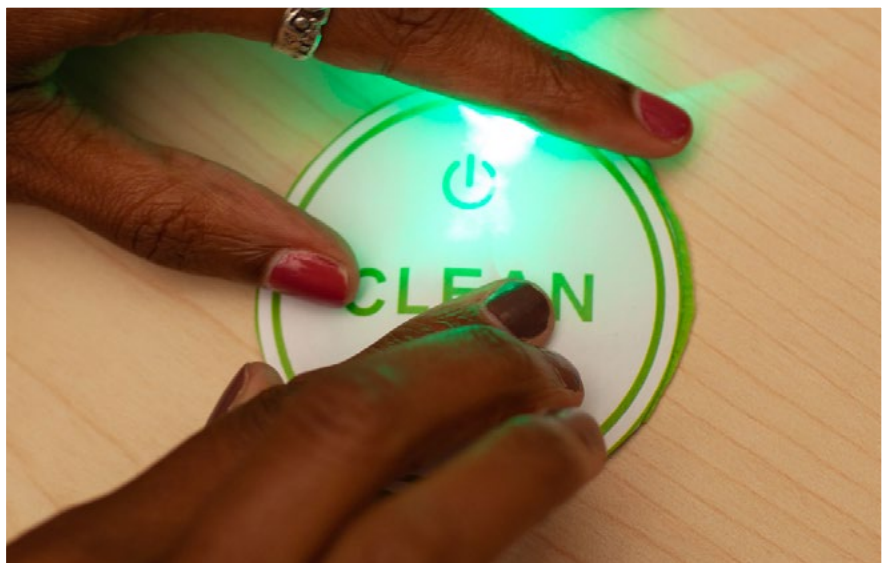

Step 5:
Attach Button Front

Using tape or glue, attach front CLEAN button cover on top of your configuration.

Step 5:
Test the Button

Just press **CLEAN!**

Clean Button
Printout

CLEAN

CLEAN