

Insulating Dough Recipe (Recommended)

- 1.5 cup (355 mL) Flour
- 0.5 cup (118 mL) Sugar
- 3 Tbsp. (44 mL) Vegetable Oil
- 0.5 cup (118 mL) Deionized Water (Note: Distilled water can be used, but the resistance of the dough will be lower. This is much easier to come-by, however)

Conductive Dough Recipe

(Optional, if you want to buy fresh playdough it works almost identically.)

- 1.5 cup (355 mL) Flour
- 1 cup (237 mL) Water
- 0.25 cup (59 mL) Salt
- 3 Tbsp. (44 mL) Cream of Tartar*
- 1 Tbsp. (15 mL) Vegetable Oil
- Optional: food coloring *
- 9 Tbsp. (133 mL) of Lemon Juice may be substituted

Supply list

- LEDs: <https://smile.amazon.com/Electronic-C...>
- 6-volt battery: <https://smile.amazon.com/Energizer-Ma...>
- 9-volt battery: <https://smile.amazon.com/AmazonBasics...>
- Test leads with alligator clips: <https://smile.amazon.com/KAIWEETS-Ele...>
- Electrical tape: <https://smile.amazon.com/Soundorigina...>
- Finishing nails: <https://smile.amazon.com/dp/B07T1PSFM...>
- Play-Doh: <https://smile.amazon.com/Play-Doh-Mod...>