

Conductive Dough

This dough will conduct electricity.

CONDUCTIVE DOUGH

1 Cup Water
1 1/2 Cups Flour
1/4 Cup Salt
3 Tbsp. Cream of Tartar
or 9 Tbsp Lemon Juice
1 Tbsp. Vegetable Oil
Food Coloring (optional)

STEP 1: Mix Ingredients Holding Back
1/2 Cup of Flour

STEP 2: Stir Continuously over Medium
Heat until a Dough Ball Forms.

STEP 3: Remove from Heat and Knead in
Additional Flour until a Desired
Consistency is Formed



These recipes are provided courtesy of the
University of St. Thomas' Squishy Circuits Program.
Before making the dough, view the full directions and
instructional videos by visiting their site:
<http://www.StThomas.edu/SquishyCircuits>

INSULATING DOUGH

1 1/2 Cups Flour
1/2 Cup Sugar
3 Tbsp. Vegetable Oil
1/2 Cup Deionized
(or Distilled) Water

STEP 1: Mix Solid Ingredients and Oil
Holding Back 1/2 cup of Flour

STEP 2: Continue to Add Small Amounts
of Water, Kneading Continuously

STEP 3: After a Dough Ball can be
Formed, Knead Flour into the
Dough to Remove Stickiness

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