Squishy Circuit Battery

Step 1

Take your *insulating* and *conducting* dough and create the following:

- 4 rectangular box shapes

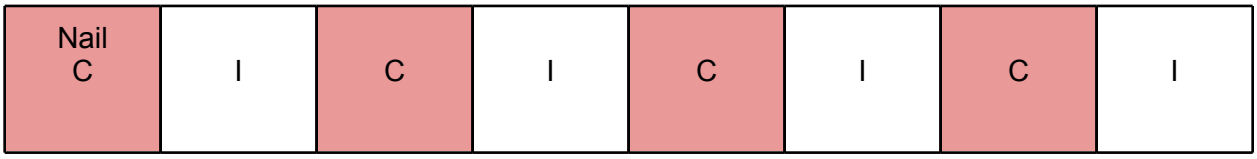
You should have a total of 8 rectangular box shaped dough pieces

Step 2

On each piece of *conductive* dough (pink), place a nail and copper wire on either side

Step 3

Push the 8 pieces of dough together to form a large rectangular box shape, and alternate between the *conductive* and *insulating* dough like below.



Step 4

Hook the nail through the copper wire between *conductive* dough pieces so that they are attached

Place nail back into dough and have the copper extend to the next pink conductive piece of dough

Step 5

Measure Voltage for each individual cell (V_x) , and then measure voltage for the entire battery (V)

$V = V_1 + V_2 + V_3 + V_4$

Battery	Voltage
V_1	
V_2	
V_3	
V_4	
Calculated Total (Sum := $V_1 + V_2 + V_3 + V_4$**)**	
Measured Total (V)	

Step 6 (Bonus)

If time, work with another group and combine your batteries. Calculate V2.