

Instructions to Build Customizable ECG Circuit

Step 1: Grab a board!



Step 2: Choose one of the three cut-off frequencies:

- 1) 40 Hz: Produces less noise but more distortion
- 2) 70 Hz: Produces moderate noise and moderate distortion
- 3) 100 Hz: Produces the most amount of noise but least distortion



Step 3: Choose your gain value to determine the amplitude of your signal. The two options are 2 V/V or 3 V/V

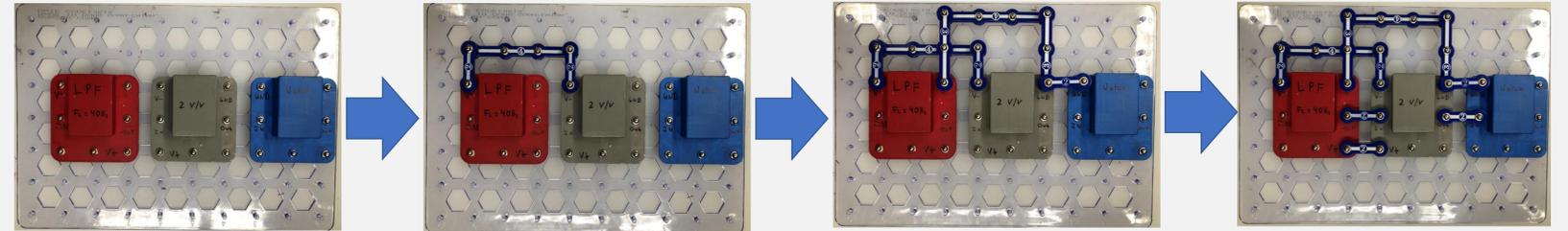


Step 4: Decide if you would like to add a 60 Hz Notch Filter to your circuit to filter the 60 Hz noise from the power wires

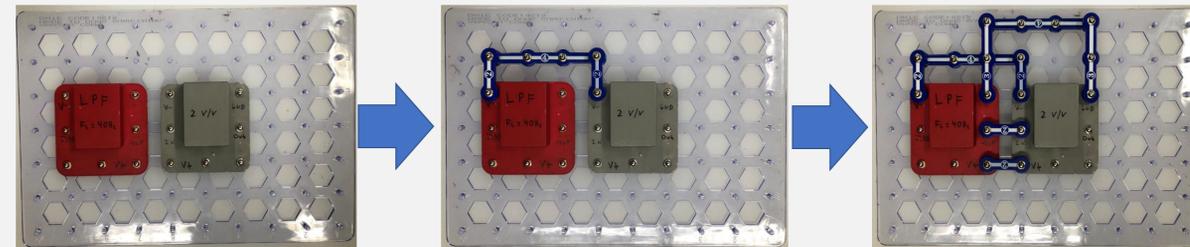


Step 5: Assemble the board according to the following pictures.

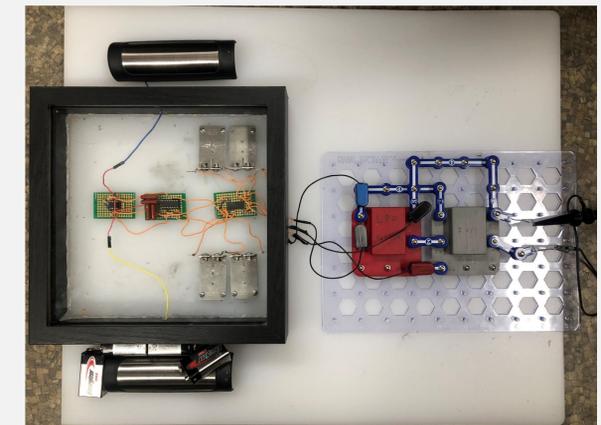
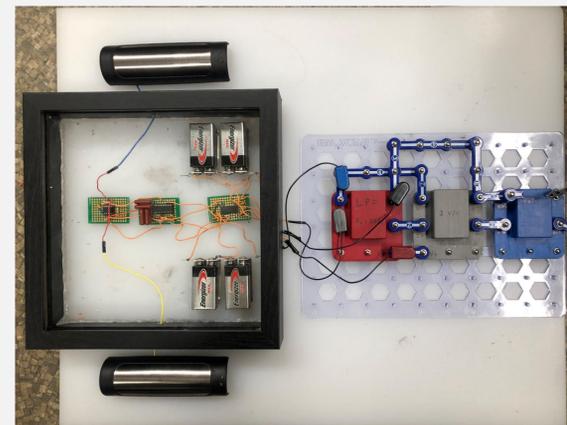
A) With the Notch Filter



B) Without the Notch Filter



Step 6: Bring your board to the Administrator and wait for the Administrator to set the board to the photo below.



Step 7: Place your hands on the handles and press down lightly and wait to see your ECG signal!