

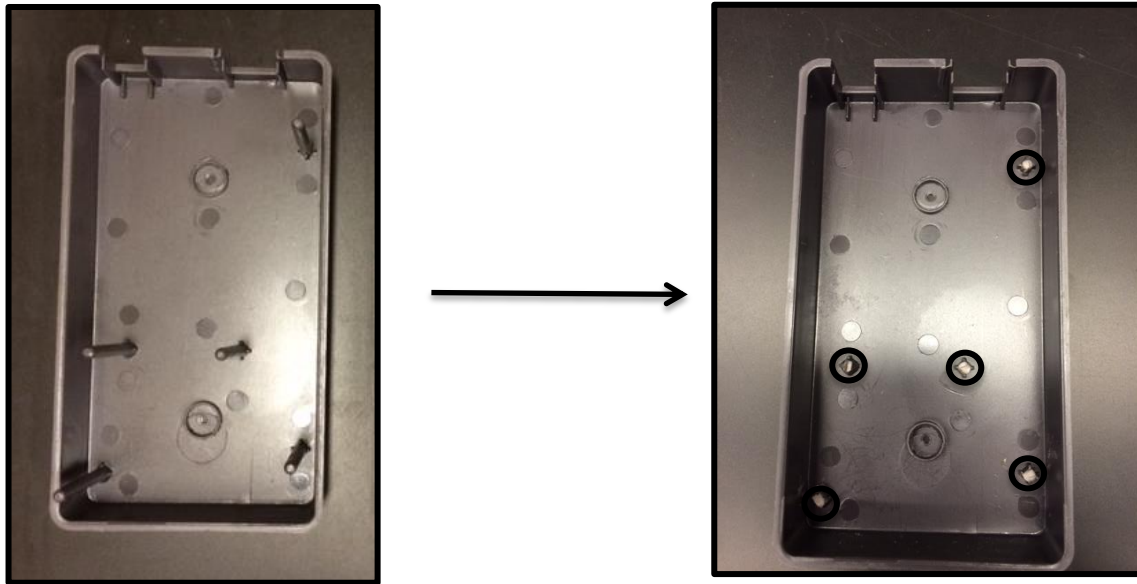
# How To: Arduino Assembly Pt. 3 - Arduino Enclosure

McDannald Lab

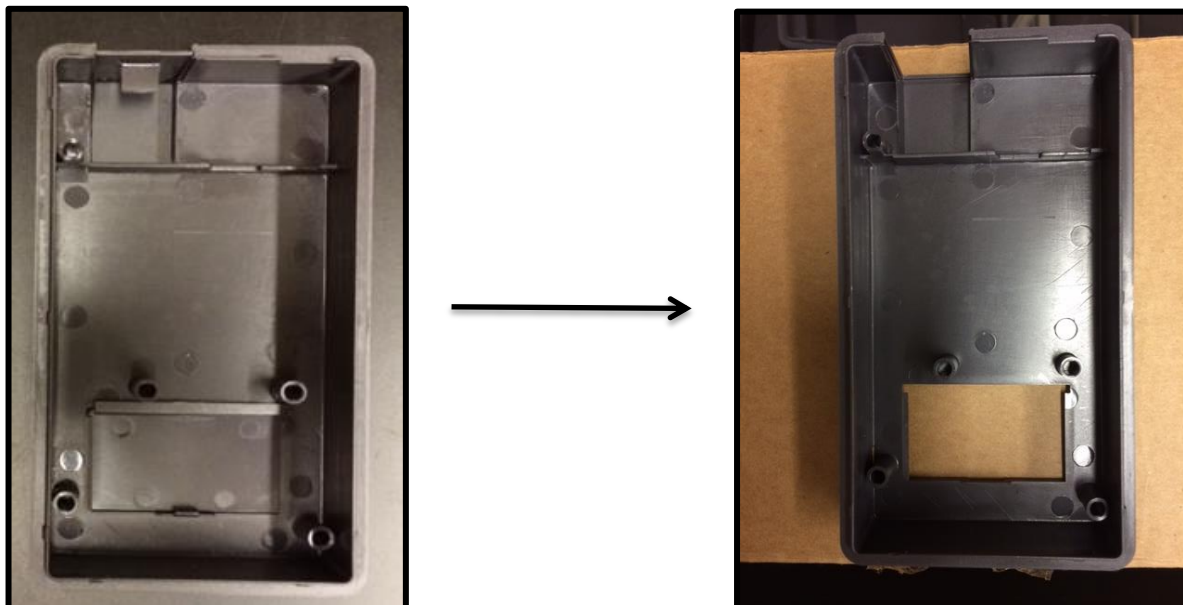
## MATERIALS

- arduino enclosure
- dremel
- completed wave shield + bread board
- mask and safety glasses

1. First, we have to modify the plastic arduino enclosure. Open the enclosure and clip all the pegs on the first half, shown below. This is all that has to be done to the first half.



2. Next, pop out the center panel and top left plastic pieces from the other half of the enclosure, shown below.



3. Now, it's time to dremel. Position the second half of the enclosure with the open center panel closest to you. Make the first cut right past the circle on the enclosure, marked by the arrow in the picture to the right.

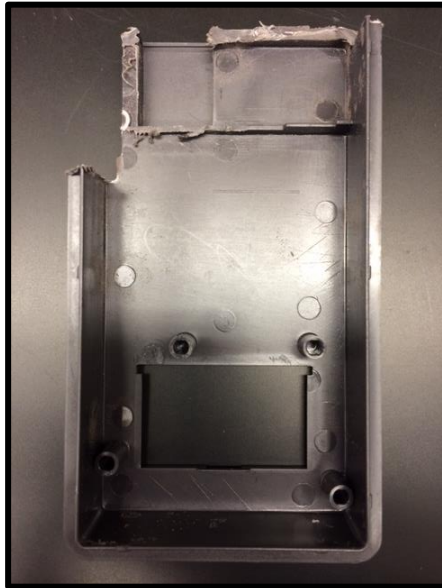
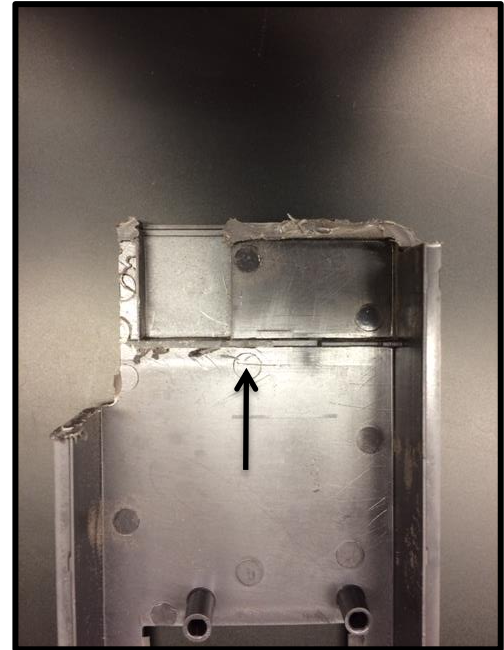


4. Then, continue to cut along that side towards the upper left hand corner. You may have to make multiple cuts in between to completely remove the piece.

5. Next, make a cut at the right hand corner down to the bottom and across the enclosure to the left hand corner so there is no wall left on the top of the enclosure.

6. Cut down the first part of the ridge that is located towards the top of the enclosure, indicated by the arrow in the picture.

7. Once finished, the top part of the enclosure should look like this:



8. Now, to put it all together! Place the arduino + wave shield and bread board into the bottom of the enclosure. Then, carefully pull the molex cables through the center hole of the other side of the enclosure. Tape the sides closed with electrical tape. Time to program and test them out!



# **How To: Arduino Assembly Pt. 4 - Programming**

## **McDannald Lab**

### **MATERIALS**

- completed ARDBARK
- USB cable
- 4 GB SD memory card