

# Die

- Digital IO pins should be connected to the POSITIVE leg of the resistor (longer one)
- Resistors should be 270 Ohm
- Make sure resistors are grounded
- Make sure correct Digital IO pins are used (13-8)

## Distance Detection

- Make sure the voltage divider has the photo resistor second.
- Make sure pin A0 is connected between the two resistors
- Longest leg of the RGB LED should be grounded

## Party Lights

- LEDs should be very similar to the dice
- Make sure the speaker plays
  - Speaker volume should be set to loud
- Polarity of the speaker doesn't matter, neither does the audio jack
- A0 can be connected to either wire of the speaker

## Chat Protocol

- Black wire should ground both Arduino
- Pin A4 – Pin A4
- Pin A5 – Pin A5
- There should be no hardware problems with this circuit