**Binary Counter**

**Parts List**

**Main Parts:**

8 red leds

1 Adafruit 0.56" 4-Digit 7-Segment Display w/I2C Backpack

1 single pole single throw toggle switch

1 single pole single throw rocker switch

1 push button

1 9v battery holder

1 9v battery

1 RedBoard (arduino)

1 clear plexiglass board

**Misc Parts:**

20 gauge wire

Heat shrink material

9 220 ohm resistors

8 screws

8 plastic stand offs

2 right angle header connectors

4 rubber feet

**Tools/Equipment:**

1 5v-9v power source

1 40 watt soldering station

1 digital multimeter

1 phillips head screwdriver

1 exacto knife

1 set of needle nose pliers