

January 18

I picked a topic: LED traffic gloves. I will be creating gloves which will act as traffic lights, although a lot cheaper.

January 20

I thought that my project was too hard, picked another one: cabbage chemistry. Basically a bunch of stuff with the pH scale.

February 5

I decided I will do the glove, I started my slideshow, wrote up the materials:

January 28

Started my slideshow, wrote up the materials:

- Pair of lightweight gardening/work gloves or light winter gloves.
- green LEDs (pack of five)
- red LEDs (pack of five), 22 AWG stranded red wire (7.62 foot spool),
- 22 AWG stranded black wire (7.62m spool),
- 5 mm copper tape (15.24m roll)
- 2xAAA battery holder with cover and switch
- AAA batteries (2)
- Electrical tape

Feb 8

I learned about circuits and how they work with a book called Smithsonian Tech Lab, by Jack Challoner. I also ordered all my materials.

Feb 14

I built and tested some circuits

Feb 16

I soldered the first set of LEDs. I needed to change the wires halfway through because they were too thick.

Feb 21

I soldered the second set of LEDs, one burnt out.

Feb 23

Turns out that the LED was not burnt out, part of the wire was touching the LED so it stopped working. I found a couple of websites for background research.

Feb 28

Wrote up all procedure

March 2

Researched for the practical application of the LED glove

March 4

Got a new glove for the experiment because I was not able to connect everything to the glove.

March 7

I finished my experiment. The glove worked very well at night in the dark.

March 8

I worked on my slides: apparatus, background research, conclusion.

March 9

All of my slides got deleted because the harddrive in the computer broke.

March 10

Finished my slides, and I got ready for the Science Fair