



Soft Button: Firefly Glove

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Overview.

We chose black, wool gloves because they were easy to sew by hand, and because our idea was centered around the hand. The flexible nature of the material, coupled with our attempt to avoid rigid components in constantly flexed areas, allowed us to integrate our circuitry by simply sewing everything in its proper place on the glove.

Materials.



Materials:

- 1 Wool Glove
- Wire
- 1 220Ω Resistor
- 2 Zinc Alloy Buttons
- 1 Led
- Black Cotton Thread
- 1 Needle

Thoughts.

Initially, we attempted to sew the circuit directly, using what we thought was copper wire, as thread. While testing the circuit after completing the entire glove, we came to realize it was not conductive thread, or at least, was not conductive enough for our circuit/functioning correctly the way it was integrated. After attempting copper tape and failing as well, we pivoted to directly sewing in the circuit into the glove.

Link to Video.

[https://drive.google.com/file/d/10D4MZwQhVVDPicUuOhJinGbdHO8xk80d/view?usp=drive link](https://drive.google.com/file/d/10D4MZwQhVVDPicUuOhJinGbdHO8xk80d/view?usp=drive_link)