

Bringing Innovation to Life



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SNP STEAM ACADEMY

<https://www.snpolytechnic.com/steam-academy>



Christmas Hack for 18-Dec-2019



Idea



Example Idea

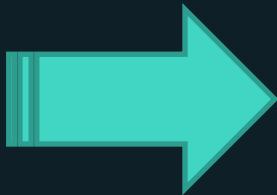
Let's take the NeoPixel form the Candle and build a head light which helps us see and being seen

Equipment

- Hat/Toque
- Glue Gun
- Screwdriver
- Exacta Knife
- Cable
- Soldering Iron
- Play Bulb
- LiPo Battery
- LiPo Charger



Disable the Candle carefully

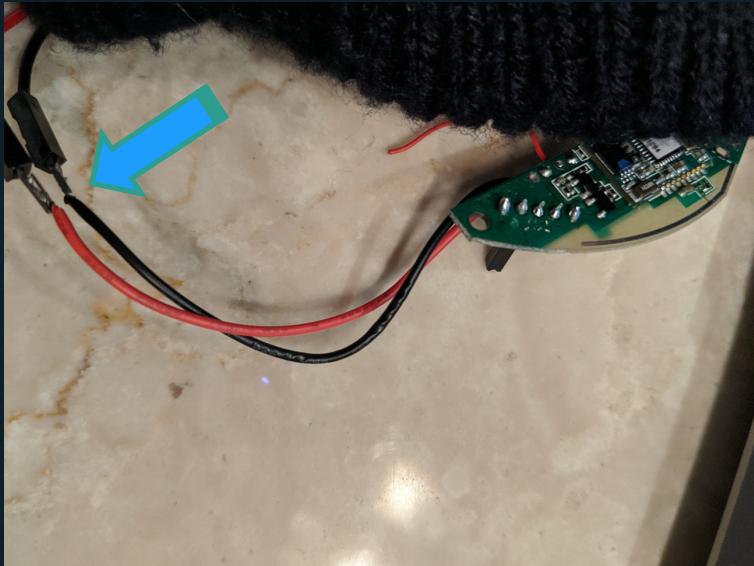


Disassemble and Transformation

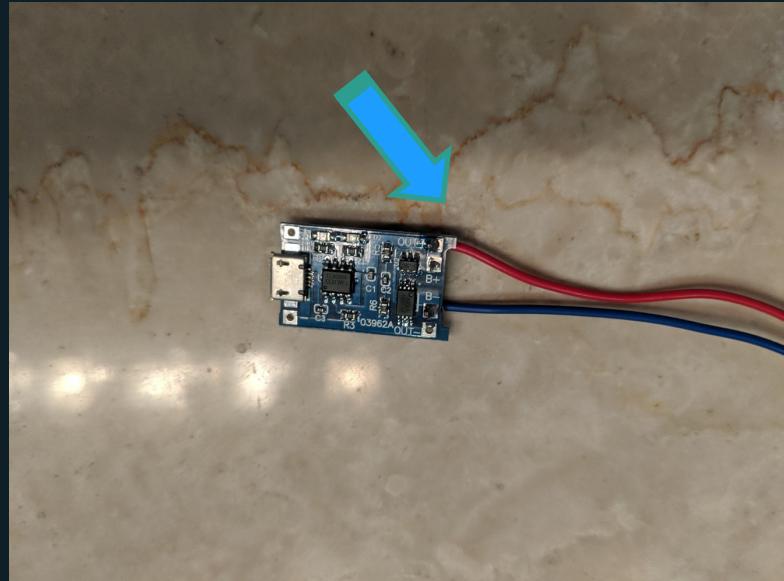


Soldering Required

Circuit Power



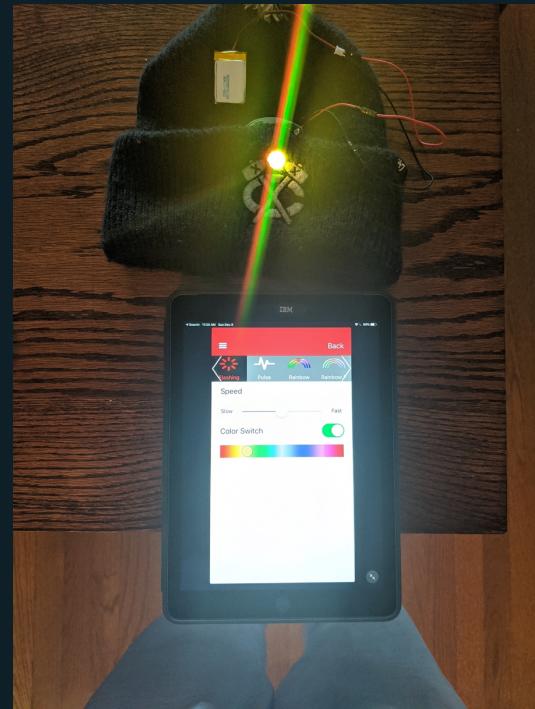
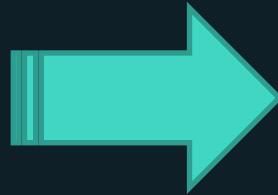
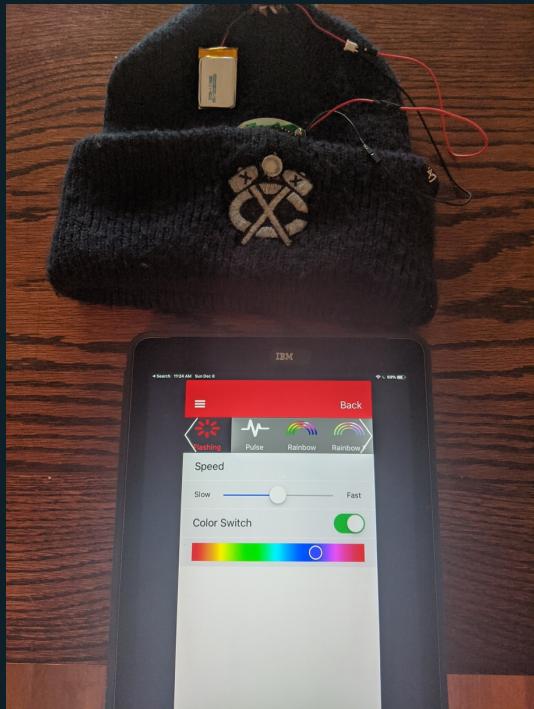
Battery Charger



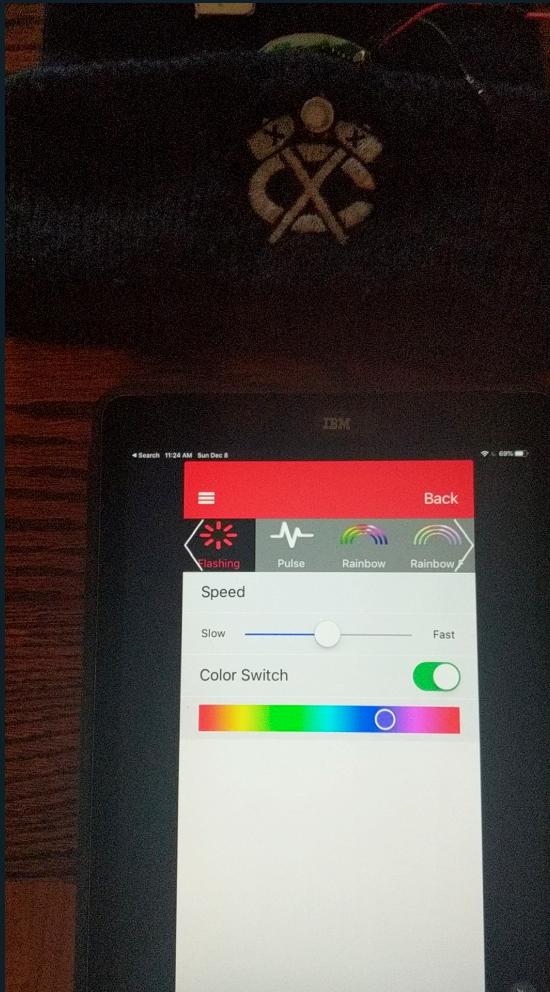
Testing the Cabling



App integration



Result



Reference

<https://github.com/SixNationsPolytechnic>

[Instructions](#)

<https://markusvankempen.wordpress.com/>

Questions: email mvk@ca.ibm.com



