Sonic Handkerchief

DESERT CODE CAMP 2017.1

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THE SONIC PROGRESSION

* Sonic Screwdriver
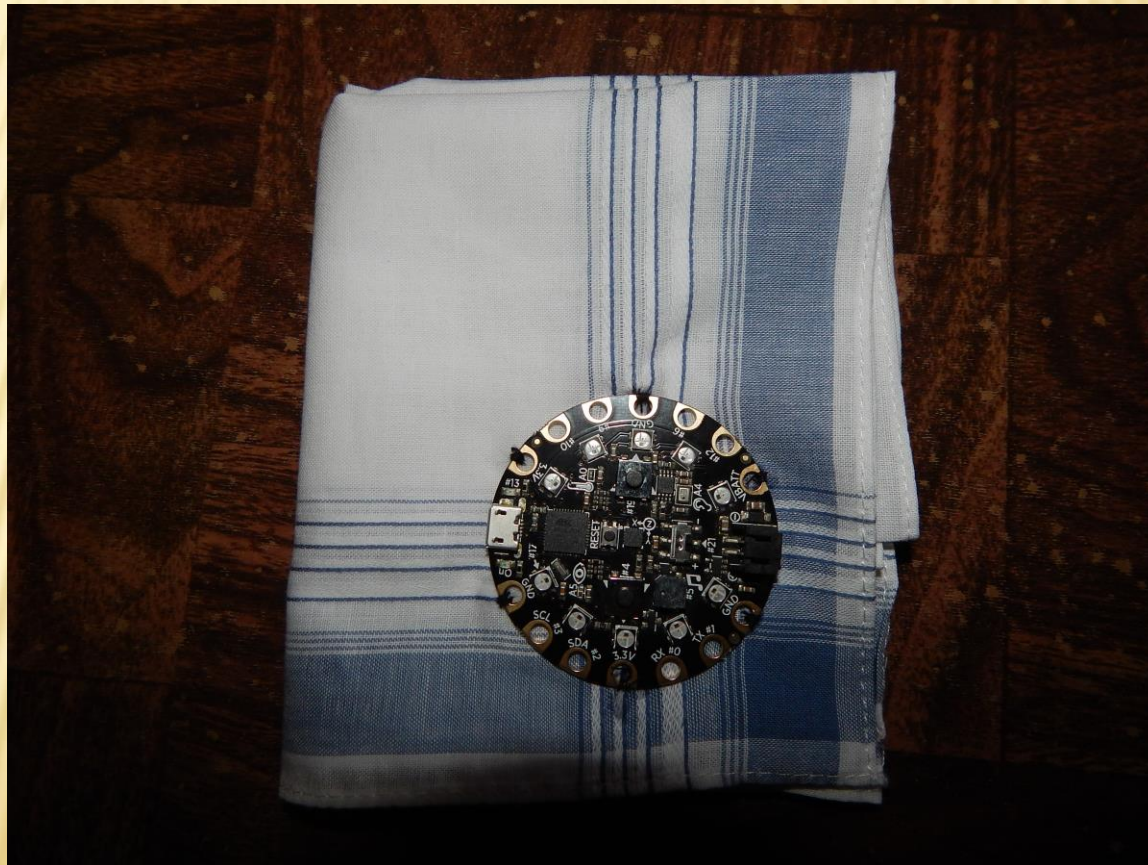

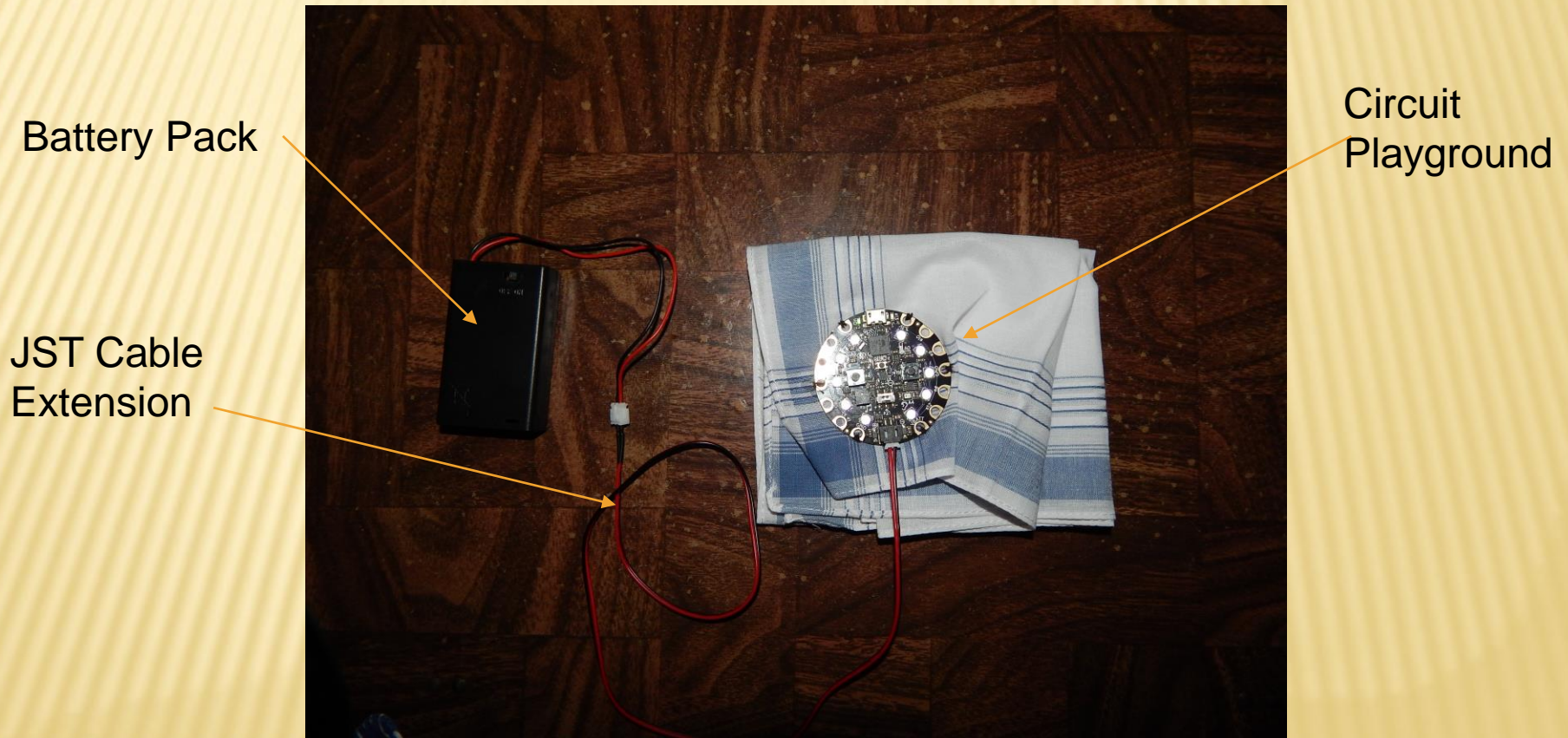* Sonic Sunglasses

SONIC HANDKERCHIEF

✖ The obvious next thing

THE SONIC SCREWDRIVER

- The project does require sewing.
- Becky Stern has a great tutorial
  - Link to her tutorial at the end
  - Be sure to seal your knots with nail polish as Beck suggests

ASSEMBLY

✖ Other than the sewing, it just snaps together!

Battery Pack

JST Cable
Extension

Circuit
Playground

SOFTWARE

- The Circuit Playground programs with Arduino software

- There is one main Arduino style .ino file and 8 supporting header files

- I'll be glad to go over these

- All available on Github (see LINKS pages)

OPERATION

* The battery extension allows you to carry the handkerchief in one place and the battery in another
* An excellent user guide is available on Github

DEMO

- I'll run it through its paces

SOFTWARE SOURCE AND USER GUIDE

✖ Software and PDF User Guide

➕ https://github.com/dondoerres/drdCodeCamp2017.1

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Dr. Who
Handkerchief

USING THE SONIC HANDKERCHIEF
Everything You Wanted to Know
By Don Doerres and Denise Blommel

LINKS

- Wearable electronics sewing tutorial:
  - https://learn.adafruit.com/adafruit-led-sequins/overview

- Circuit Playground and tutorial
  - https://www.adafruit.com/product/3000
  - https://learn.adafruit.com/introducing-circuit-playground

LINKS

- AAA battery holder
  - https://www.adafruit.com/product/727

LINKS

- JST-PH Battery Extension Cable
  - https://www.adafruit.com/product/1131

LINKS

- Just where do you buy handkerchiefs?
  - https://smile.amazon.com/gp/product/B004ARVYXQ/ref=oh_aui_detailpage_o06_s00?ie=UTF8&psc=1

THANKS FOR SUPPORTING CODE CAMP!

* Questions?

* Hope to see everyone next time!