MODULE 4
Glove Build

OVERVIEW
Learn how to build a musical glove! A step-by-step tutorial to learn how to integrate the CPX and a golf glove to create a musical, wearable technology. Includes an instructions for building the glove, code download, how to use the CPX with the glove, and troubleshooting tips.

MATERIALS
- Wearables Kit
- Computer
- Circuit Playground Express (CPX) & adapter
- Arduino IDE software

PREREQUISITES
- Soldering 101 Module
- Arduino Introduction Module
- Blink an LED Module
- If you’ve never used a multimeter please watch the How to use a multimeter Module

Complete Prerequisites and have all Materials before continuing to activity

1. Create the touch wires and fit them to glove size
   - Connect the metal brads to the wires
   - Fit the wires to the glove

2. Solder wires to the CPX
   - Note what wire goes to each finger
   - Strip wires
   - Solder wires to the board
   - Don’t forget safety glasses!

3. Attach the electronics to the glove and test
   - Glue brads to glove
   - Attach CPX to back of glove
   - Connect battery & test touch pads

Module Video: Glove Build

NEXT STEPS
After completing all aspects of this module, add a capability to your glove. Then read the rules and design your own Wearable!