

Skill Demo 9: H-bridge

NAME _____ GTID _____

Goals:

Enable reversible control of a device using an h-bridge.

Read Practical Electronics for Inventors 2000 edition:

Background:

All videos from Skill Demos 1-8
H-Bridge.mov

Tools/supplies:

4 SPST relays (or the equivalent amount of SPDT or DPDT relays)
DC motor or 2 LEDs (to show reversible control)
Teensy
laptop
breadboard
USB cable

Create an h-bridge using relays and show that you can control it with your microcontroller.
Create a demonstration that shows you can send current forward and in reverse through your device of choice (a DC motor, LEDs, etc.)

Initials _____ Date _____ Time _____