IEEE's Hands on Practical Electronics (HOPE)

Week 7: MOSFETs (nFET)

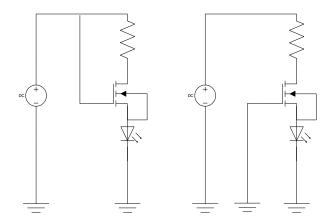
Objective:

Learn how NMOS work

Materials:

- 1 Breadboard
- 1 9V Battery
- 1 1kΩ Resistor
- 1 nMOS
- 1 LED

Build the following circuit:



Questions:

- 1. When you connect the gate to $V_{\mbox{\scriptsize HIGH}}$ is the LED on or off?
- 2. Is current through the transistor on or off?
- 3. When you connect the gate to V_{LOW} is the LED on or off?
- 4. Is the current through the transistor on or off?