Conceptual

- ☐ Make an internal diagram of the 4-pin switch
- ☐ Make a circuit diagram to show how to connect switch to control your light
- ☐ Draw the equivalent circuit schematic diagram.

Basic Make

- ☐ Make a LED turn on using switch
- ☐ Make a drawing of how a breadboard is wired

Advanced/Extended Make

- ☐ Make your diagrams using Fritzing
- ☐ Use limit switch and explore NO and NC connections

Equipment

- ☐ Computer with access to Fritzing
- ☐ Digital Multi Meter (DMM)
- ☐ Circuit components: 4-pin switch, limit switch

Objective

Physics Concepts
- ☐ Switch bounce

Experimental analysis
- ☐ Current limit for circuit elements

Technology Concepts
- ☐ Schematic symbols