

# Creative Switch Assignment

# Assignment #2 /// CREATIVE SWITCH

10% of final grade /// due October 7<sup>th</sup>

This assignment explores your ability to use your newfound electronic knowledge to create a custom switch. This can be a soft circuit button, out of materials found at home, etc. Use your switch to turn on at least 2 LED's (you may use more LEDs if desired). Or, you can make two switch circuits that each light one LED. This assignment may be turned in as "bare bones", a.k.a. on a circuit board with exposed wires.

The emphasis here is on creating small sculptures or design objects, which incorporate an original or unique switch method that you design.

You should spend a good amount of time on brain storming and on construction. The components of the circuit may be relatively simple – it's really the mechanics of the switch (how it opens and closes) that will be your "ingenious" solution.

The switch should be functional!

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## *Requirements & Deliverables*

- Completion of assignment for in class critique
- Turn on at least 2 LED's OR use at least 2 switches to turn on at least 1 LED
- Documentation: 5 detailed high-resolution images of your piece to be emailed to the instructor before class on the due date of the project. Your email should also contain:
  - 1) a list of parts used
  - 2) a description/elaboration of what the images show
  - 3) a description of how the switch circuit is constructed and works
- Someone should be able to construct and understand the switch by using your email as a guide.

# Examples from Prior Students

- <https://intronma.wordpress.com/2017/02/07/trapped-light-ben-mckenna/>
- <https://intronma.wordpress.com/2017/02/07/creative-switch-alexis-clodfelter/>
- <https://intronma.wordpress.com/2017/02/07/creative-switch-by-kyle-lindenman/>
- <https://intronma.wordpress.com/2017/09/24/creative-switch-project-2/>
- <https://intronma.wordpress.com/2018/02/12/creative-switch-brains/>