https://makezine.com/2006/04/11/how-to-make-a-tictac-flas/
https://www.instructables.com/id/Tic-Tac-flashlight/

Use rechargeable AAAs at ~1.2v each and skip the resistor. I used some generic Chinese Ni-Mh ones from Fry's. That way when my toddler leaves it on, we just recharge the batteries.

Tic -Flashlight:

Supplies: 2 Triple A Batteries, empty Tic Tac Case, resistor, small button, LED
Experiment Steps:

Stuff We Already Taught Them

1. Who remembers the project we did a few weeks ago, PVC, cloth, soda cans,
    a. **ASK** what they remember about Static Electricity
        i. We learned that electricity occurs when electrons jump from place to place and move around

CIRCUITS/WIRES

2. **ASK** What's one thing that a lot of electrical devices have? Wires!
        i. These wires act as highways, and it allows this flow of electrons, or electricity, to get from place to place
    b. When wires are put together with a whole bunch of other stuff, like motors, light bulbs, and batteries, it creates what's called a circuit

SCHEMATIC

1. Every time someone is about to build something, they use a blueprint
    a. Before scientists and engineers create circuits, they have their own version of a blueprint, called a **schematic**!
    b. Before we make our flashlights, we're going to show you how to make a schematic!
2. Show them the symbols for different things, motors, batteries, wired, resistors