

MAKER FAIR 2025

POPSICLE STICK FLASHLIGHTS

SUPPLIES: Popsicle Stick with a binder clip hot glued onto it; copper wire; copper tape; LED; and a coin cell battery

- Feed the copper wire through the two holes of the binder clip. Twist the wire around the back of the popsicle stick and try to make it lay flat
- Then, take one strip of copper tape and place it on the back of the popsicle stick. It should cover the twisted copper wire and go almost to the end, leaving about .25" - .5" at the other end of the popsicle stick free.
- Lay another piece of copper tape (or tin foil) down the front of the popsicle stick. It should run from one end to about .5" from the metal clip. Make sure it doesn't touch the metal clip or your flashlight won't work (because positive and negative will be touching). Bend the extra bit of copper tape back, so the sticky side is up, place the positive side of the battery (the smooth side) down onto the sticky copper tape and press it firmly down so it touches and lays flat against the popsicle stick