

# Festive Flashlight

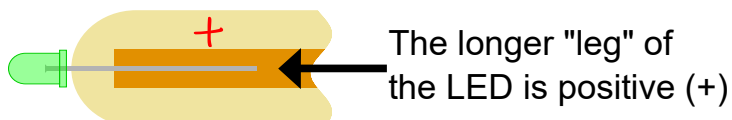
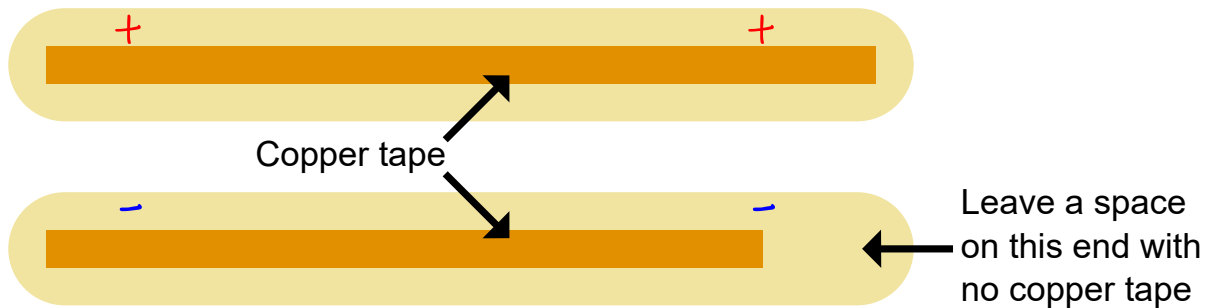


## Part 1 - Flashlight Circuit

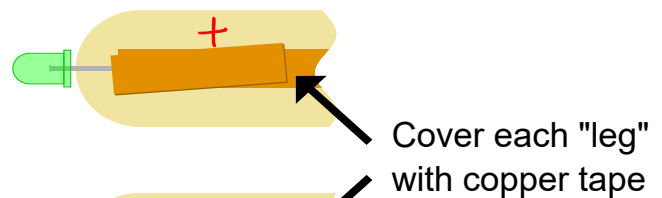
Mark one side positive (+)



Mark the other side negative (-)



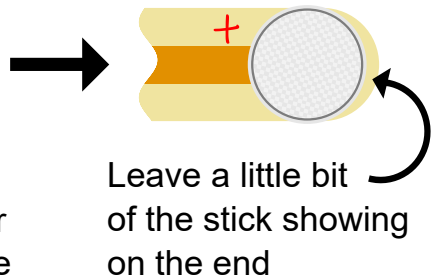
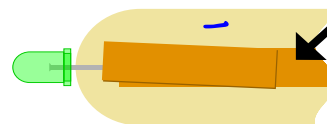
The longer "leg" of the LED is positive (+)



Cover each "leg" with copper tape

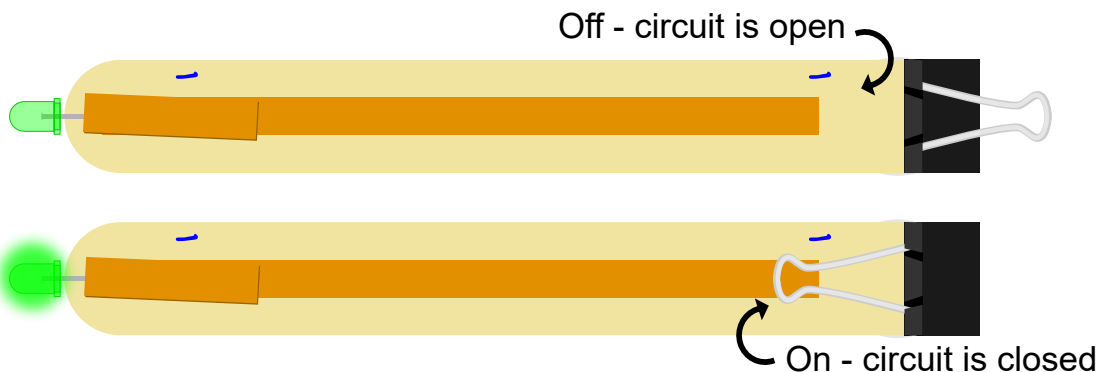
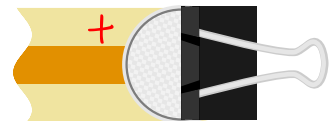


The shorter "leg" of the LED is negative (-)



The positive (+) side of the battery **touches** the copper tape on the positive (+) side of the craft stick

attach the battery to the stick with the binder clip - it should **NOT** touch the copper tape on the negative (-) side!



The binder clip is a **switch** - it connects the negative side of the battery to the LED when the handle is touching the copper tape.

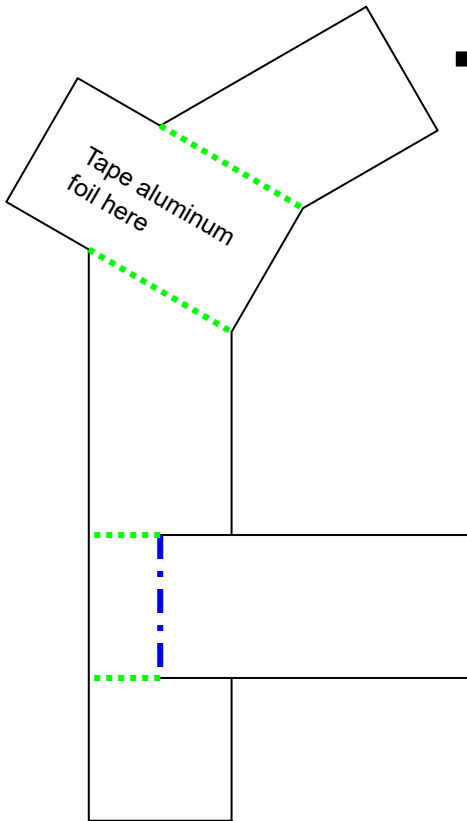
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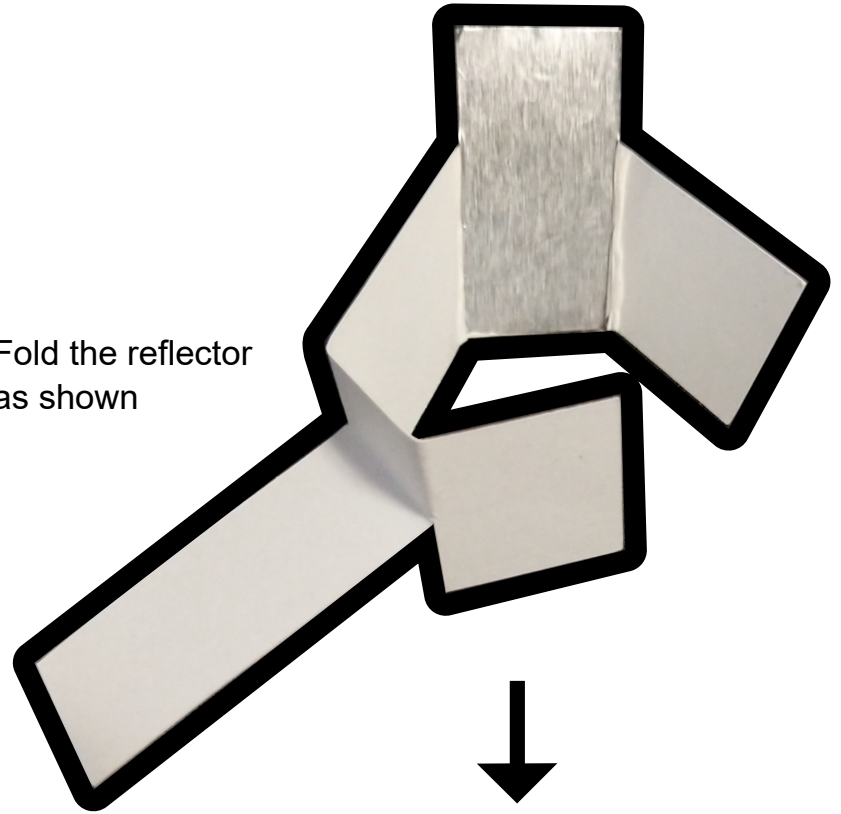
## Part 2 - Reflector

Print this page on cardstock, then cut out this reflector base

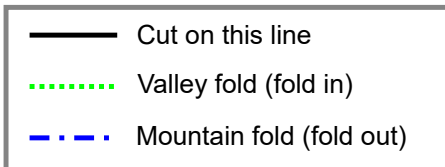
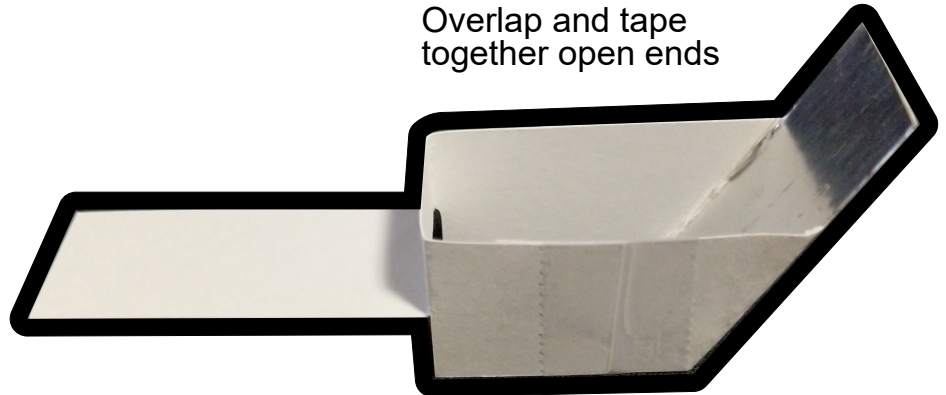
Attach aluminum foil where shown, with the shiny side facing out



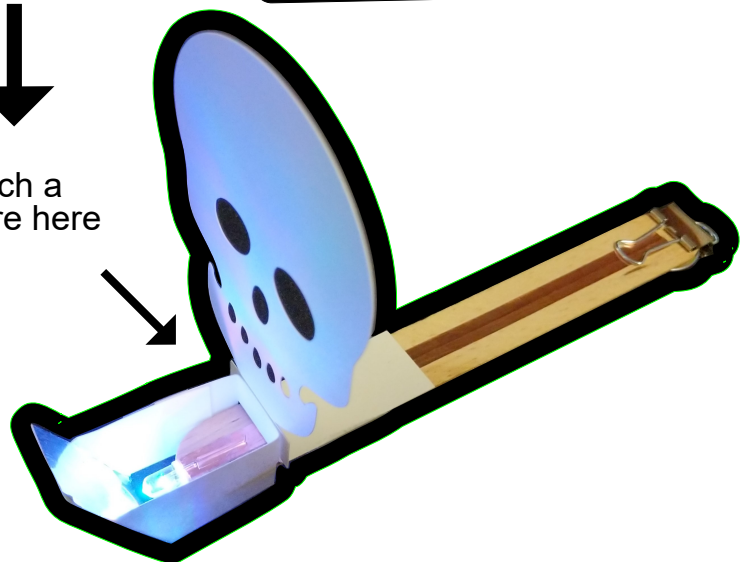
Fold the reflector as shown



Overlap and tape together open ends



Attach a figure here



Tape the reflector to the flashlight

For best results, leave a small gap between the LED and the foil