

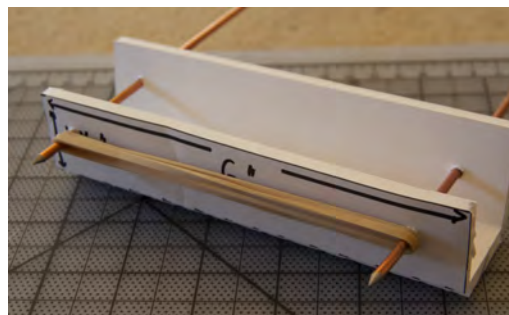
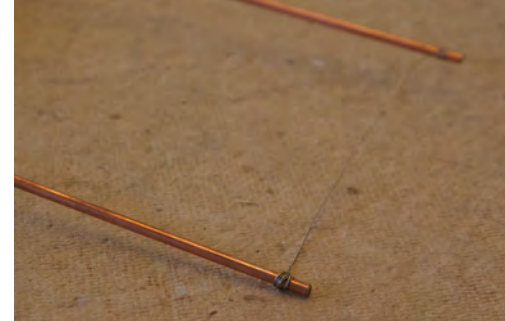
1. Read the safety notices! Then start by cutting out a piece of foamcore that is 6" by 3.75". Divide the short side into 3 even 1.25" segments

2. Cut the dotted line segments through the foam, but do not cut through the last layer of paper! Fold the ends up to make the battery holder



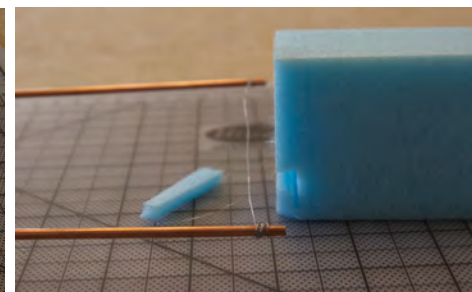
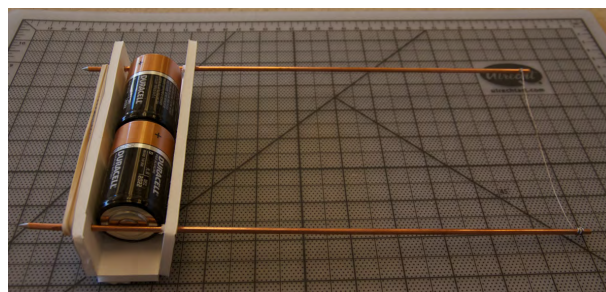
3. Take the sharp ends of the metal rods out of the protective foam. Careful, these ends are dangerous! Poke the sharp ends into the foamcore. These rods need to be in contact with the batteries, holding them snugly together.

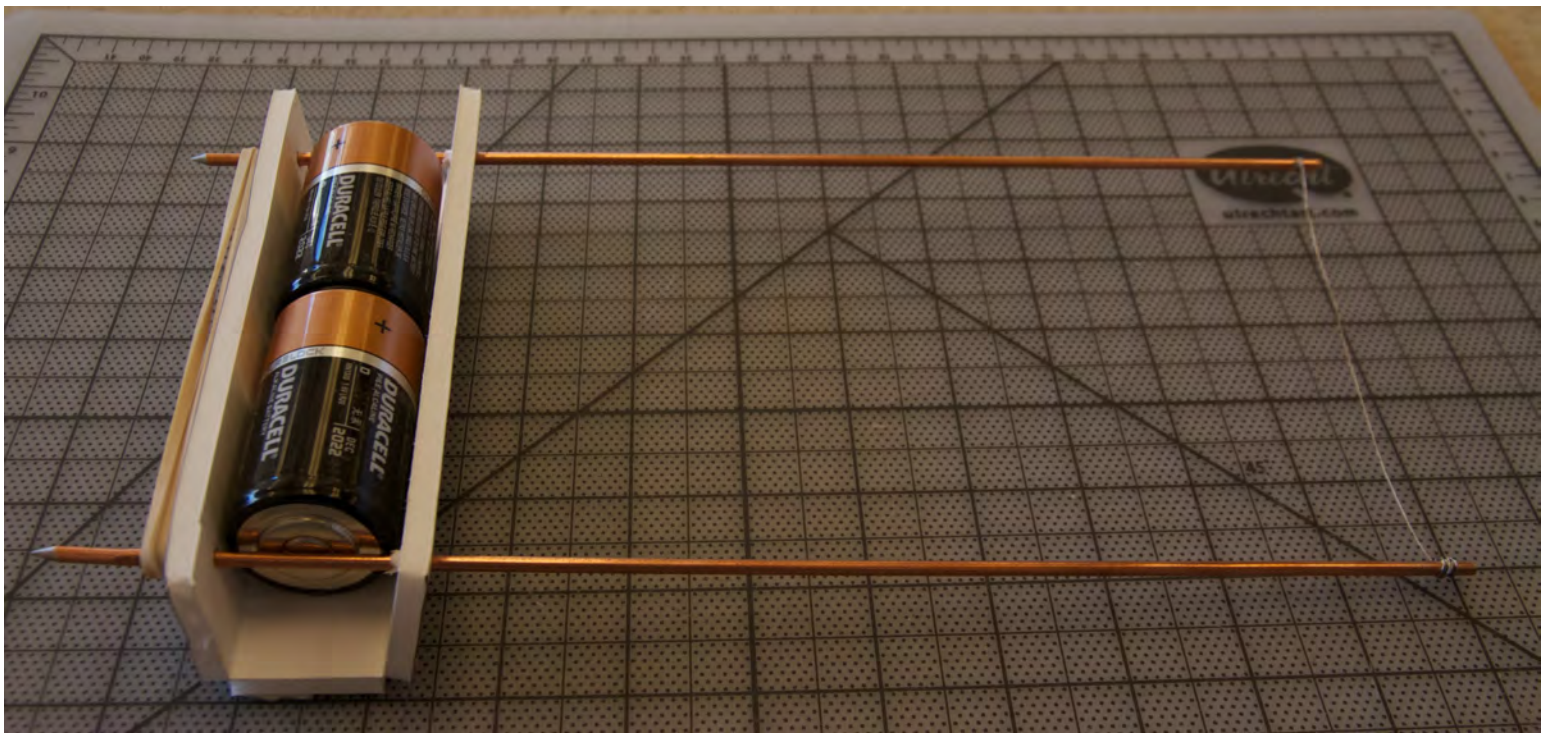
4. With the batteries disconnected from the metal rods (very important if you don't want to get burned!) poke the nichrome wire through the holes in the metal rods. Wrap excess wire around the rods and try not to leave too much slack.



5. Double wrap the rubber band around the ends of the metal rods on the opposite side of the battery holder. This should tighten up the nichrome wire and make the hotwire cutter more sturdy.

6. Place the batteries in to start the foam cutting! The foam cutter should last around an hour with the provided batteries. Place some tape around the shape ends to prevent injury.





# Handheld Hotwire Cutter Instructions

## Safety Notices:

- be careful with the sharp ends of the metal rods
- note that the battery voltages are too low to shock you
- as soon as a loop is formed connecting the batteries with the metal rods and the piece of nichrome wire, electric current will flow through the device. The nichrome wire will immediately become very hot! This wire is used to cut the foam, but it can burn you with extended contact with the skin. Rinse any minor burns with cool water and seek medical attention if necessary.
- Take the batteries out of the device to cool the nichrome wire while not operating the hotwire cutter