

Light Up Your Love with Paper Circuitry!

Use these templates to build a pop up paper circuit valentine as demonstrated in a class held at SparkFun on 2/12/14. Check out the links below for more information on how to build these cards.

Class presentation slideshow: <http://bit.ly/ValentinePaperCircuits>

Youtube link: <http://bit.ly/PaperCircuitsLive>

Notes:

- * These templates work best when printed on cardstock.
- * Using a piece of vellum or rice paper behind the heart in the I <3 U design creates a nice effect to diffuse the LED.

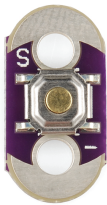


Template #1

Materials Needed:



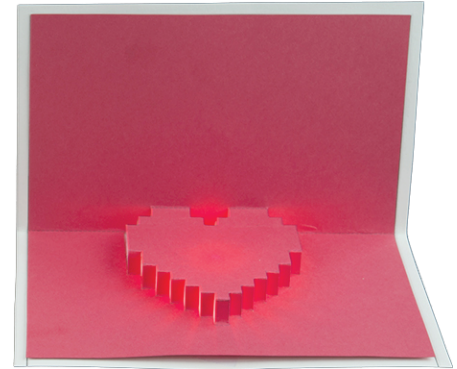
3mm LED



LilyPad Button Board



12mm Coin Cell Battery (CR1225)



Template #2



5mm Copper Tape (~15 inches)



Clear Tape

Tools Needed:



Needle Nose Pliers



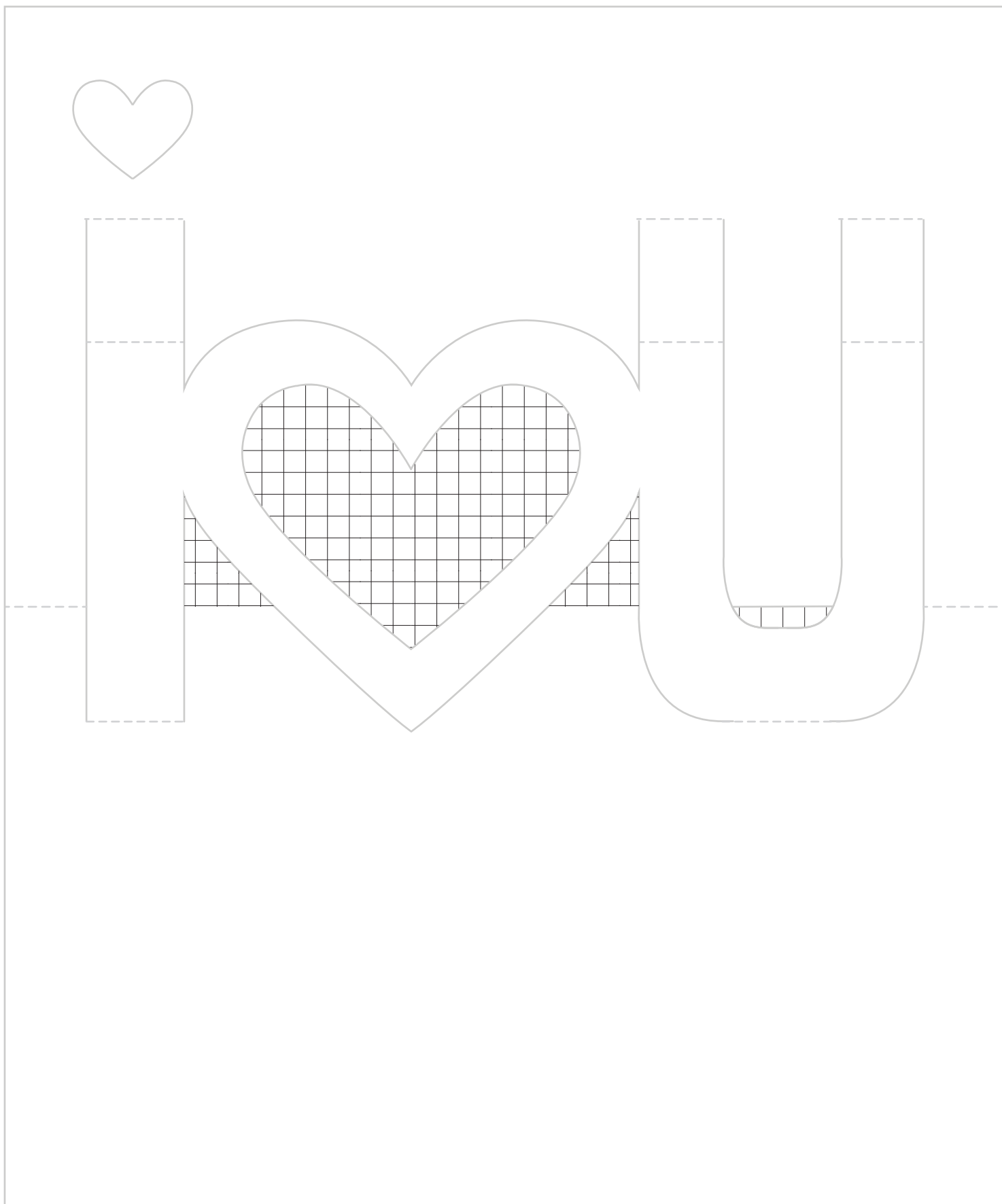
Hobby Knife

Optional Materials:

- * Glue/Gluesticks
- * Glitter/Paints/Decorative Supplies/Stickers
- * Vellum/Rice/Origami Paper
- * Envelope (if mailing your card, use Parcel Post service so the LED doesn't get crushed by sorting machines)

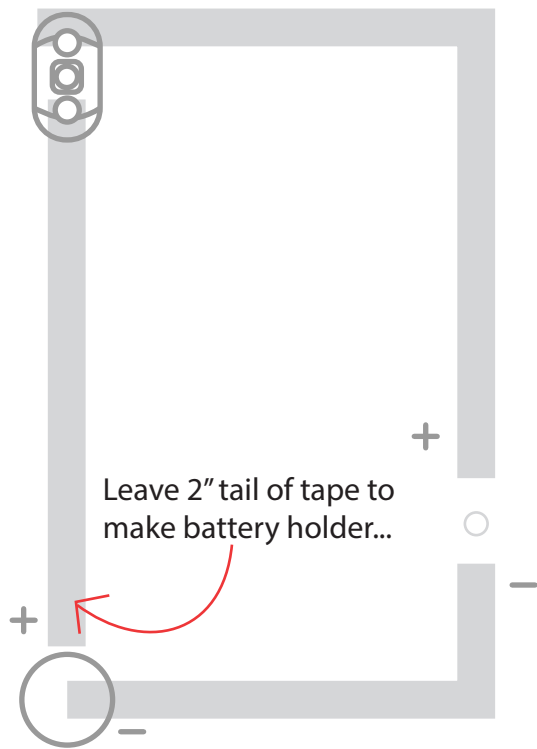
Optional:

Ruler/Bone Folder



— CUT --- FOLD  DISCARD

This template is an adaptation this design from Tweety Atelier: <http://sjrenoir.com/50033240140>
Please refer to the above link for detailed folding and cutting instructions.



— CUT --- FOLD

■ COPPER TAPE



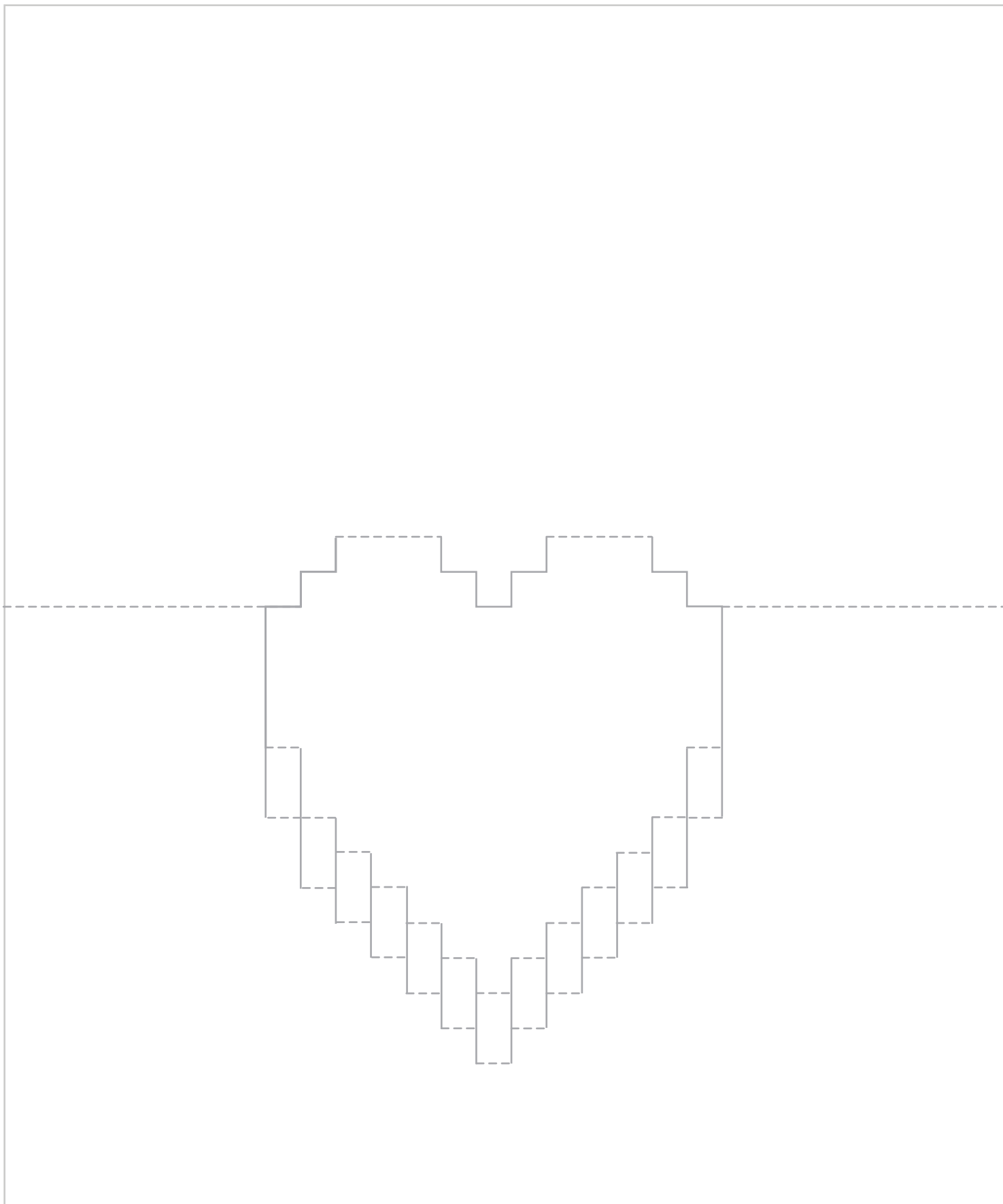
LED



BATTERY

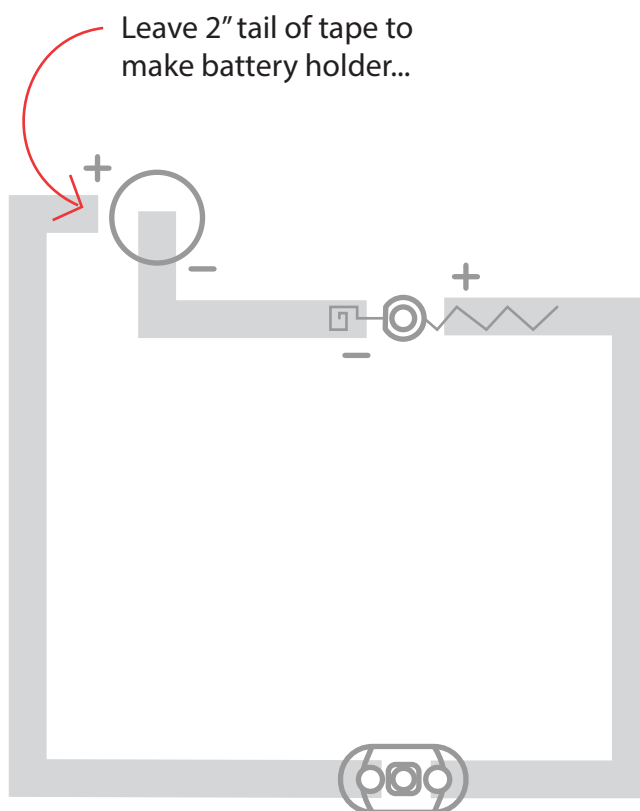


BUTTON



— CUT --- FOLD

This template is an adaptation this design: <http://www.instructables.com/id/Zelda-Pop-Up-Valentine-Heart-Card>
Please refer to the above link for detailed folding and cutting instructions.



— CUT --- FOLD

■ COPPER TAPE



LED



BATTERY



BUTTON