

## TUTORIAL: HAUTE GLUE BLING

Maker Space Activities

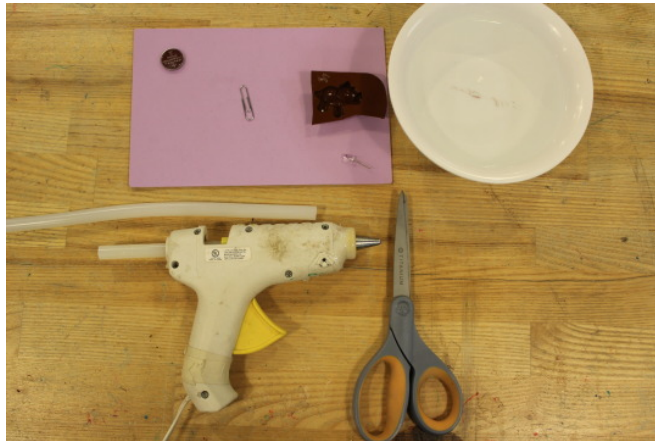
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**Danny Kirk**  
 October 12, 2017

Flashing rainbows and fun shapes ... what more could you want out of a piece of jewelry? Whether you're wearing it to a party, tying it to your dog's collar, or pinning it to your bike-messenger bag, our Haute Glue bling is sure to get you noticed. Made from a few simple materials with easily sourced parts, this is a fun and relatively fast project that's sure to make an impression and leave all your friends asking "Where can I get one?"

The first thing to do is assemble your materials:



- 2 pin LED bulbs ([http://www.amazon.com/Green-Yellow-Light-Emitting-Diodes/dp/Boo87ZT24A/ref=sr\\_1\\_1?ie=UTF8&qid=1452877473&sr=8-1&keywords=2+pin+LED](http://www.amazon.com/Green-Yellow-Light-Emitting-Diodes/dp/Boo87ZT24A/ref=sr_1_1?ie=UTF8&qid=1452877473&sr=8-1&keywords=2+pin+LED)) (you can get these in a variety of colors from a variety of places, this link is purely for reference)
- Coin Cell Battery (CR 2032)
- Silicone ice cube trays or candy molds (\*Note: we cut our molds out of the tray so that we're only working with one shape, you can leave yours intact or cut them out, it's up to you)
- Paper clip
- Thin Craft Foam
- Scissors
- Hot Glue Gun
- Hot Glue Stick(s)
- Ice/cold water bath
- optional: pin backs, lanyard clips, string, barette clips or other fasteners to attach to your bling

Now let's get started!

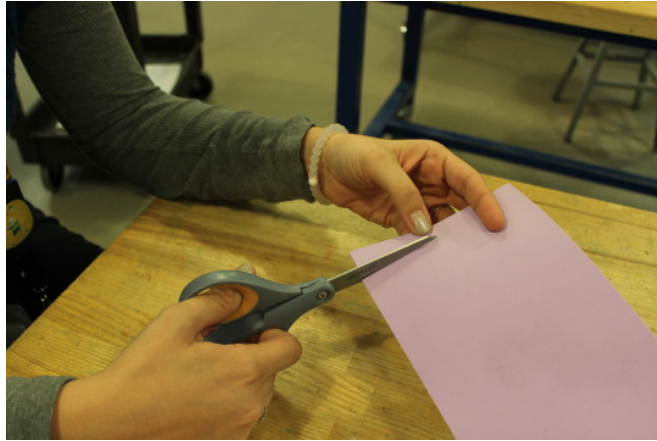
**Step 1**

Plug in your hot glue gun while you prep the rest of the project. You'll want your LED packet ready to go once your mold is filled up.



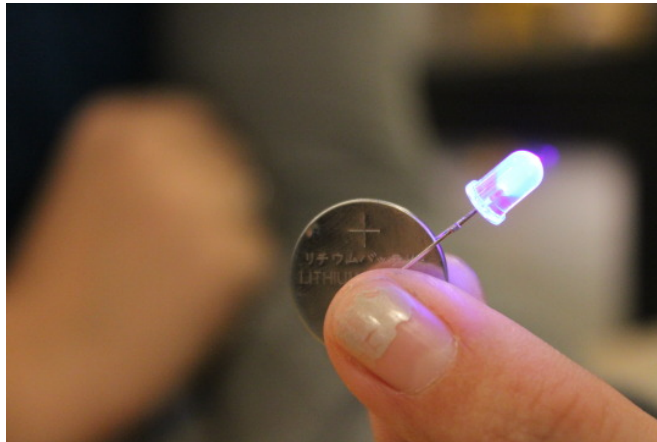
**Step 2**

Cut an approximately ¾ inch by 2 inch strip of the thin craft foam



**Step 3**

Put the LED on the battery so that it lights up (the positive leg is the longer one).



**Step 4**

Fold the craft foam over the battery/LED to make a little sandwich. The legs of the LED should be in the crease.



**Step 5**

Slide the paper clip over the side of the foam to keep the sandwich together. You're now ready to fill your mold.



**Step 6**

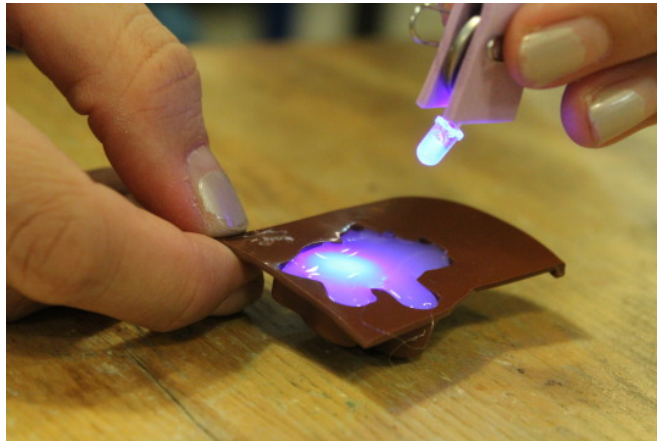
Fill the mold of your choice with hot glue. You want to fill it up pretty close to the top, as the LED doesn't add that much volume. This might take a little time and a lot of glue ... be patient.





**Step 7**

When your mold is filled insert the LED into the glue. Try and keep the battery sandwich out of the glue, so that you'll be able to change the battery later.



**Step 8**

Toss the whole thing into the ice bath. It's okay if it submerges, it will still work, we promise.



**Step 9**

Remove your hot glue bling from the ice bath and pop it out of the mold. If you want to attach a backing of some kind now is the time to do it. Otherwise, you're all done! It's time to sport your new sparkly gear!



If you make something share it with us—use the comments below or tag @nysci on Instagram (<http://instagram.com/nysci>) and Twitter (<http://twitter.com/nysci>).

We can't wait to see what you've created.



Until next time,

– Annalise

(With special thanks to Ed Services staff/model Sarah!)

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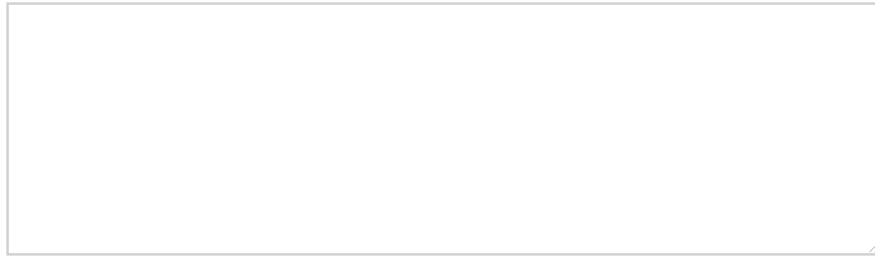
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### PHYSICS

Piezo Poppers - Science Demonstration! (<https://nysci.org/piezo-poppers-science-demonstration/>)  
In this hands-on demonstration, Chavanie Joseph, Program Explainer, shows science communicator Jayde Lovell how Piezo Poppers work!

DESIGN MAKE PLAY  
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