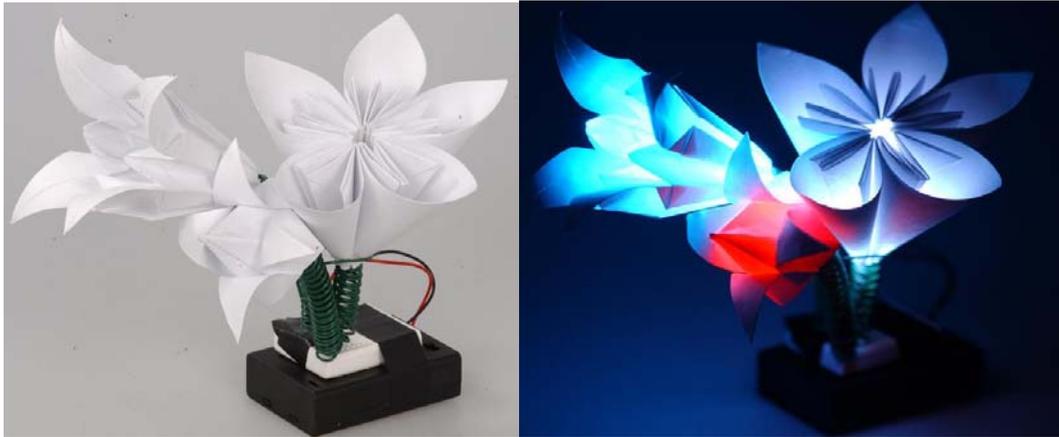


MOTHER'S DAY LED ORIGAMI FLOWER | JAMECO PART NO. 2155567



VISIT WWW.JAMECO.COM/LEDORIGAMI FOR COMPLETE KIT BUILD AND VIDEO

Experience Level: Beginner | Time Required: 1 hour

When Mom says she doesn't want anything for Mother's Day, what she really means is she would love it if you made her something. Besides, what mother doesn't like flowers? Give her both and show your crafty side by making her flowers with this LED Origami Flower kit.

What You Get

Very few components are required for this project. The kit includes a battery pack, AA batteries, baby-sized breadboard, hook-up wire, RGB LEDs, and a pencil for stem making.

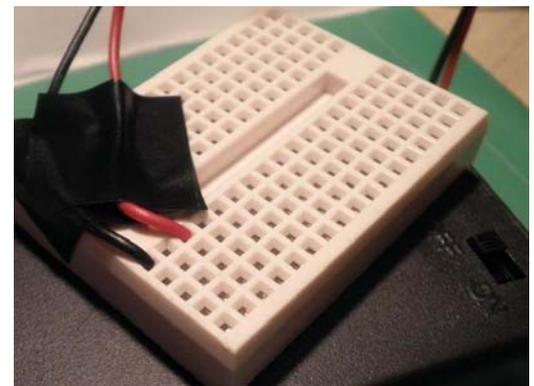
What You Need

- Paper for the origami flowers; white copy paper will work.
- Tape; electrical tape is preferred.
- Soldering equipment just to solder the LEDs to the ends of the hook-up wire.
- Patience is also helpful when it comes to folding paper.

What You Do

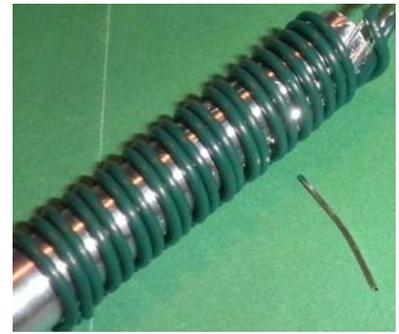
1) Battery Base

- Add the batteries and close the box.
- Lay the battery box flat with the switch facing up.
- Insert the black wire into a hole closest to the middle divide of the breadboard.
- Insert the red wire into a hole about two to three rows over. Each wire should have its own dedicated row on the breadboard.
- Secure the wires to the breadboard and secure the breadboard to the battery box with some tape.



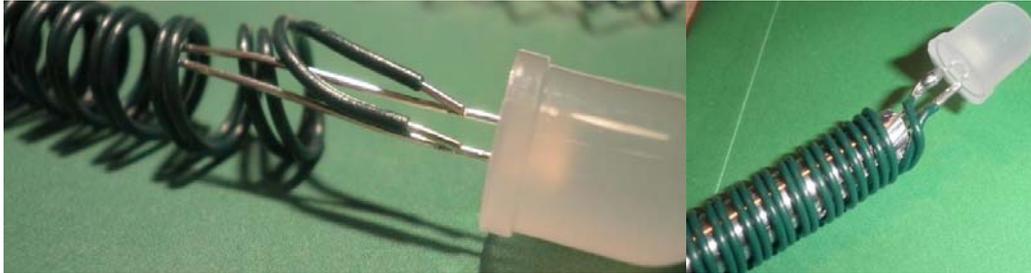
2) Wire Stems - A coiled stem adds a bit of whimsy to the project.

- To make an approximate 5" stem, cut two equal lengths of solid hook-up wire; about 2 feet. (strip the ends of each wire before coiling)
- Holding both wires close together, wrap the wire tightly around the pencil.



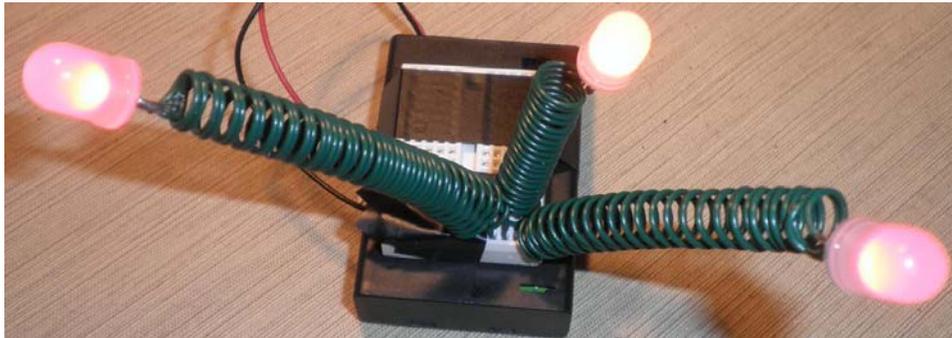
3) LED Bulb

- Solder an LED to the end of the wire.



4) Plant It

- Turn on the battery holder and briefly touch one of each wire leads to the positive and negative rows created on the breadboard. (If it doesn't light up, then reverse the wires and test again.) Rinse and
- Repeat step 3 for your other stems and bulbs.



5) Flowers

This is the challenging part, but there are a variety of instructions for origami flower all over the internet. You may find this website helpful: <http://www.origami-instructions.com/origami-flowers.html>

The flowers used in the photo are the [Tulip](#), the [Lily](#), and the [Kusudama Flower](#). Cut an "X" centered at the base of the flower to mount it on the LED. Start with small cuts because you want the flower to sit snugly at the end of the stem.

Tips

- If you use glue on flowers, like the Kusudama, let the glue dry completely before making cuts on it. It is also heavy, so a shorter stem is best.
- For bigger and heavier flowers, use shorter stems.
- You may use another piece of hookup wire to wrap around the stems to help keep them upright. You can also leave a piece of pencil inside the stem coil to keep it rigid at the base.