Getting Started with Sewables

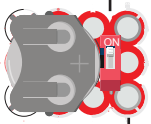
Here's why Lectrify components work great with sewable projects.

LED

Large contact points make sewing easier

2 non-conductive sides for fastening

Battery

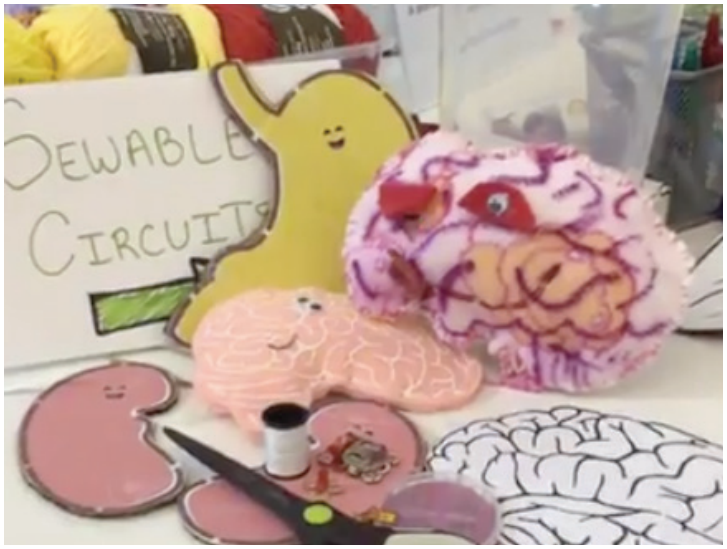


Onboard on/off switch helps control power

Color coded: red corners are positive and white corners are negative

Battery (CR2032) is easy to replace and low cost

PROJECT IDEAS:



Plushy Body Parts

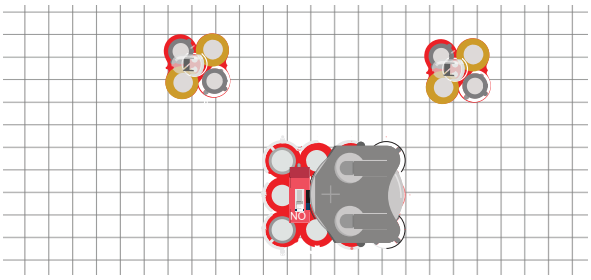
eTextiles

Light up Bowtie

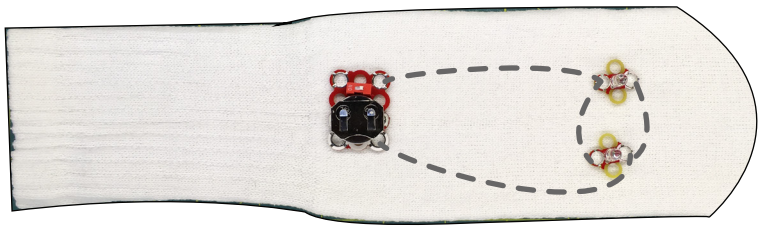
Cell Phone Case

HOW TO:

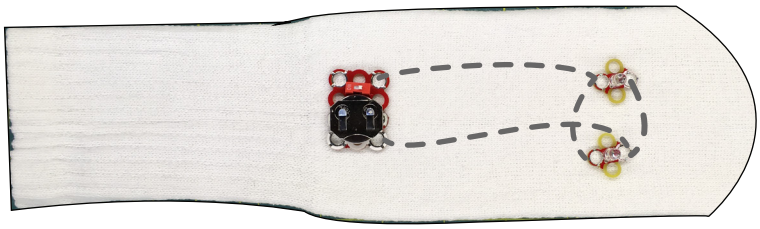
1. PLAN. Carefully lay out your circuit before you start to sew. You may need to rotate the components. Remember to test and troubleshoot any issues before you sew the components in place.



2. AVOID CRISSCROSSING. It's easy to criss cross conductive thread which can cause a short circuit and prevent your LEDs from working. You can avoid this by planning ahead.

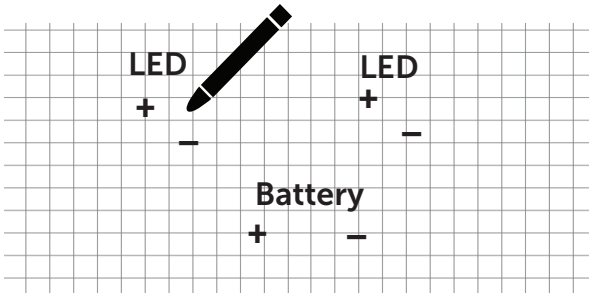


Correct



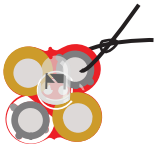
Incorrect

3. MARK your fabric so that you know the placement of the positive and negative sides of each component.

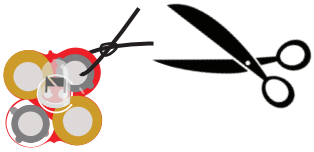


4. USE REGULAR THREAD for securing non-conductive sides of components to your fabric. Regular thread is inexpensive, plus this will prevent the conductive thread from crisscrossing

5. WEAVE conductive thread throughthe holes and tie it off to guarantee a strong connection for your circuit. This makes sewing projects easier because you don't have to be as precise with making sure there are secure connections.

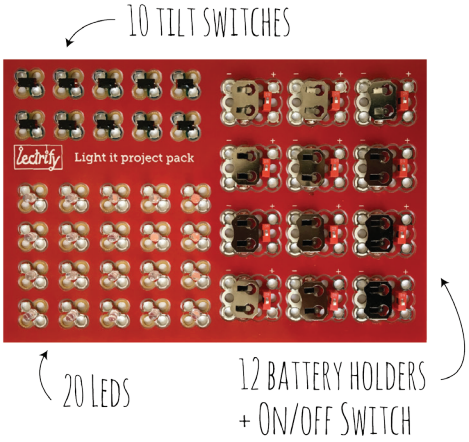


6. CUT LOOSE ENDS to prevent shorting your circuit.

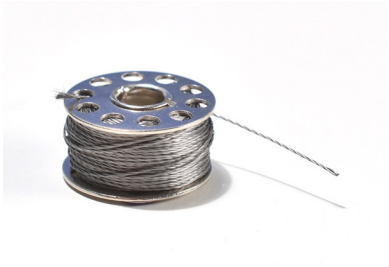


LECTRIFY BOARDS:

You can use any of our components, but we recommend the School Project Pack or the LED and Battery Extension Packs for sewable projects. This will give you plenty of options for LED colors and enough battery packs.



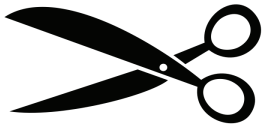
MATERIALS:



Conductive Thread

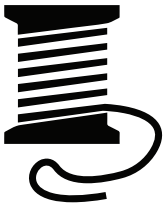
Available on Amazon or Adafruit

Needle



Scissors

Felt or other fabric



Thread