HOW TO MAKE A LIGHT-UP CUFF

INGREDIENTS

- Needle, Thread & Conductive Thread
- Snap
- Coin Cell Battery
- Big & Little Felt Piece
- LEDs
- Red
- Blue

LET'S BEGIN...

Notice how your LEDs have a long leg & a short leg.

Long is positive (+) & short is negative (-).

This is important - electricity flows from negative to positive (like someone going from being in a bad mood to being in a good mood).

Slide the battery between the legs. See how it only lights up when you do it the right way? That is the nature of polarity - a science word!

With your pliers, curl the long leg into a curlique & the short leg into a square-tique.

Then smush the curls out to the side so your LED sits on its butt.

In the middle section, sew a "patch" by making several criss-cross stitches. Then sew a line straight out to the side. Then do the same on the bottom section, but sew the straight line to the opposite side.

Now we'll sew the battery holder. Get the small piece of felt & imagine it divided into thirds. Mark it with pins, if you like.

Now thread your needle with conductive thread. Knot it at the top. This sort of thread is tangle prone, so be patient.

In the middle section, sew a "patch" by making several criss-cross stitches. Then sew a line straight out to the side. Then do the same on the bottom section, but sew the straight line to the opposite side.

Then fold the bottom third up and with regular thread, put a few stitches along the sides.
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Cool.

So you just make this.

It has 3 LEDs connected by thread to a battery. Then, put the battery into the pocket, and disconnect the positive and negative ends. Make sure you made an LED in as many loops as you made. So why doesn't the thing light up? There is one move taking to do — put the snaps, and snap the loops. The snaps are your switch.

So, electronics is fun.

Leave your cuff as is or decorate it. And just think of all the finer things you could make light up.

Ta-daa.

Eventually, you'll get to project that.

Eventually.

The negative selctions only connect negative ends. Same with positive selection.