LED pin instructions:

In your kit you should have:
1 3V battery
1 5mm bright LED bulb (attach this to the clip so it doesn’t get lost)
1 mini binder clip
1 pin template - printed on velum or thin paper
1 pin back
2 lengths of copper tape - 2 inches & 4 ½ inches

1. Identify which ends of the LED are positive and negative - I usually make students investigate this on their own (a simple Google search works).

2. Bend the prongs to the side of the bulb and place on the template where is says LED - being sure to have the negative side on the left and the positive side on the right.

3. Remove the copper tape backing and place the tape on the positive and negative lines on the template encompassing the LED leads for each side - the negative is the longer piece and goes from the LED to the negative side of the battery. The positive is the shorter length and runs from the positive side of the LED to the positive side of the battery.

4. Fold the template along the dotted lines to create a hexagonal shape - this is a little tricky on the sides, but YOU can do it!

5. Place the battery in the +/- space making sure the +/- sides of the battery match the template.

6. When you pinch the sides together at this point your LED should light up and you can secure the battery to the outside of the folded template with the mini binder clip - see photo.

7. Tuck in the flap and seal on the back of the pin with the adhesive pin back (you’ll need to remove the backing on the pin).

8. At this point you can use a Sharpie marker to decorate anyway you chose - we did these at Halloween therefore the Jack-O-Lantern theme.

NOTE: colored velum/paper would be fun but check to ensure the LED shows through - we liked the idea that you could see the inner-workings ☺

NOTE 2: before you start check the LED against the battery to ensure they both work

NOTE 3: - the short is negative and the long is positive (Shhhh! don’t tell the kids)

Lisa Osur 2015 (I got the idea at ALA 2015 - from the Sunnyvale Public Library in CA)