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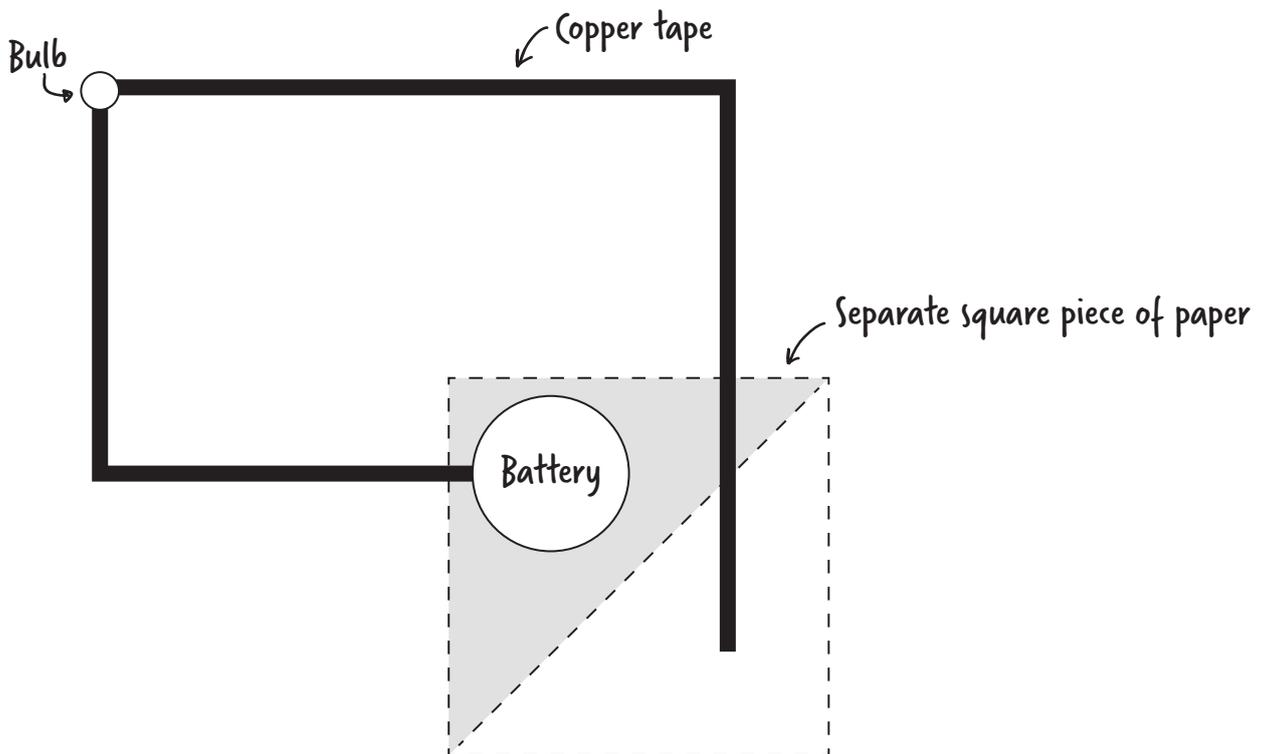


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## You will need

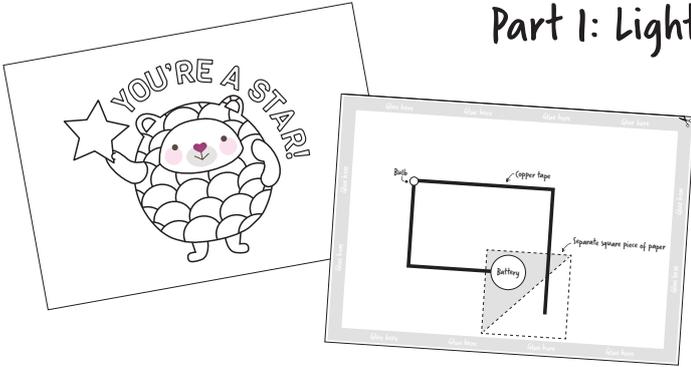
Thick white paper (A4 size) / Conductive adhesive copper tape

CR2032 (coin cell battery (e.g. Energizer Lithium Battery 3V 2032))

5mm LED bulb (yellow) / Double sided tape or glue

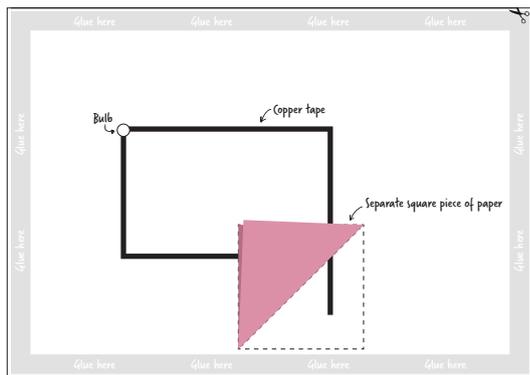
Scissors / (colour pencils or markers)

### Part 1: Lighting up the circuit

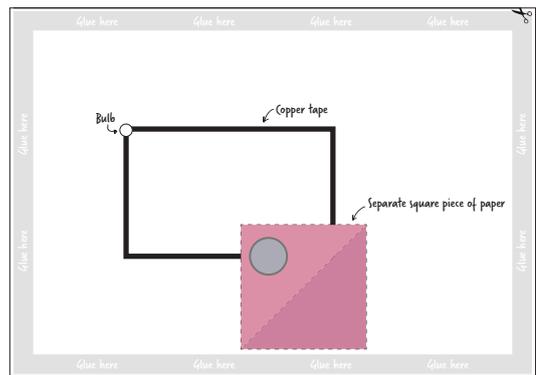


1. Print out the circuit and PIP template on thick paper. Cut the paper in half.

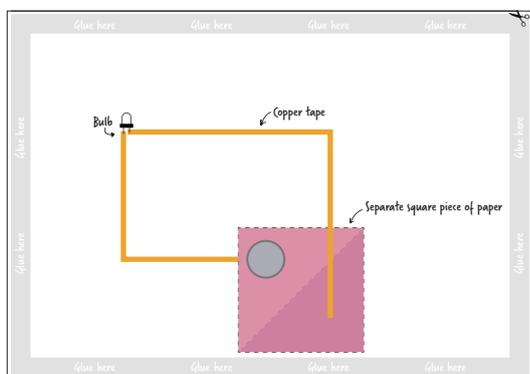
2. On a separate piece of paper, cut out a small square measuring 5cm x 5cm. Fold the square diagonally in half to get a triangle.



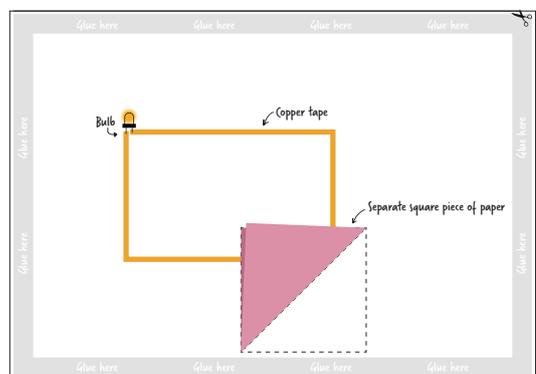
3. Paste the triangle onto the circuit card as indicated.



4. Open the flap and paste the battery on the top left corner.



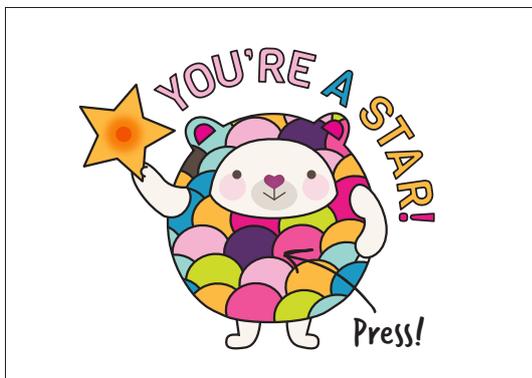
5. Paste your LED light bulb and copper tape on the thick paper by following the circuit path given.



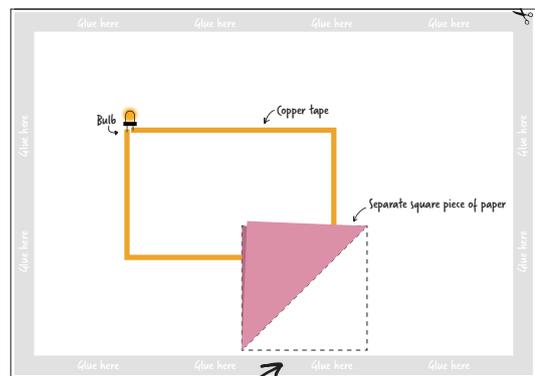
6. Test your circuit by pressing the folded section of the paper onto the battery. The bulb should light up!

## Part 2: Making the card

Poke a hole in the middle of PIP's star. This is where your light bulb will be on the card.



Place PIP over the circuit template and test your circuit by pressing on PIP's body. The star should light up!



Now you can stick the PIP card over the circuit template card using double-sided tape or glue.

You're a star,  
you're done!