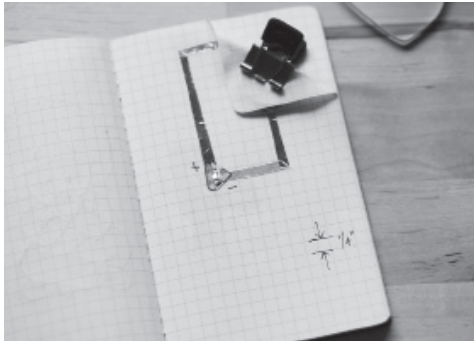


# SIMPLE CIRCUIT

Add a LED and light up your notebook.



## YOU WILL NEED

- 1 LED circuit sticker
- Copper tape
- 1-3V coin battery
- Scissors
- A small binder clip



## DIRECTIONS

1. Draw a picture in your notebook. Decide what you want to light up. Stuck? Draw a prompt card from the Inspiration Deck.
2. On the page underneath your drawing, mark where the light should go. "X" marks the spot!
3. Place your battery in the corner of the page. Trace your battery twice as shown in the diagram. Label one circle - (negative) and the other + (positive).
4. Draw lines connecting where your light should go through each of the battery circles. (Straight lines and wide angles are easiest.)
5. Lay down copper tape along the path leaving a small gap no larger than 1/4" where the light should go. The copper tape should extend well into the battery circles.
6. Place the light so that it points to the - circle.
7. Add your battery. Make sure the + side is touching the + circle. Clip in place. The LED should light up.

## TROUBLESHOOTING TIPS

- Check your battery orientation. The side labeled + should be touching the + circle.
- Check your LED sticker orientation. Check your LED sticker orientation. The point should touch the line of tape that connects to the - circle.
- Check your copper tape joins. Press down firmly on all corners.
- Check your LED sticker connection to the copper tape. Press down on both ends to ensure a strong connection.

Share your hacks! Tag pictures, tweets and blog entries with #HYNB2014 @sfnexmap

