

## Instructions for Printing “When Thea LED the Way”

The book “When Thea LED the Way” can be downloaded at

<https://get.chibitronics.com/When-Thea-LED-the-way-web.pdf>

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### Craft Materials

To interact with this craftbook, you’ll need:

18 [LED stickers](#)

1 roll of [copper tape](#)

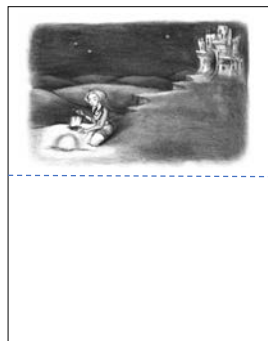
2 coin cell batteries

2 battery clips

1 conductive sheet (*Can be substituted with aluminium foil or anything conductive*)

### Printing the book

The book’s pages will be printed on the top-half of the paper (US letter size)



← Book is printed on the top half of paper

← Bottom half of the sheet can be recycled or used as scrap

*If you use a paper size other than US letter, the circuit exercise on p.40-41 will not work.*

1. Open up the PDF file.

2. You will want to print your pages as **double-sided, color, and 100% to scale**. Ideally, you want edge-to-edge or borderless printing (no margins).

2. (cont'd). Click on "File" menu at top and then "Print" to open the Print dialog box.

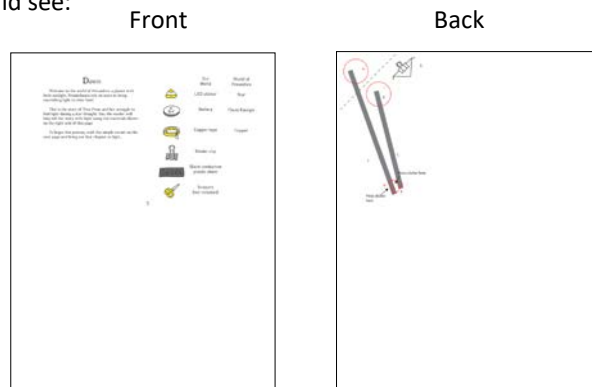
Then in "Page Setup", select the following options:

- Two-sided / Double-sided
- Orientation: Portrait
- Scale: 100% / Actual Size

If your printer supports "borderless printing" or "edge-to-edge printing," please follow your printer's instructions. Borderless printing is not required, but will make your craftbook look better.

3. Print p.5-6 as a test page.

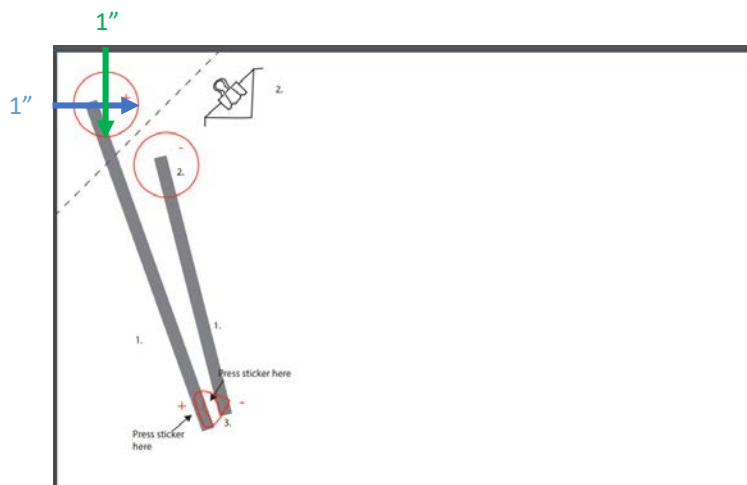
This is what you should see:

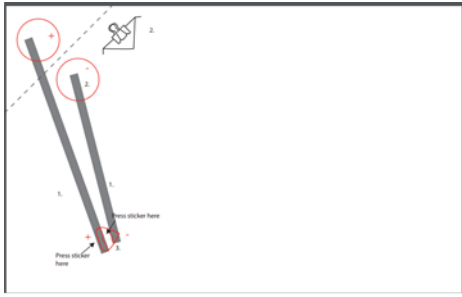


Check that it's printed correctly by looking at the circuit trace on p.6.

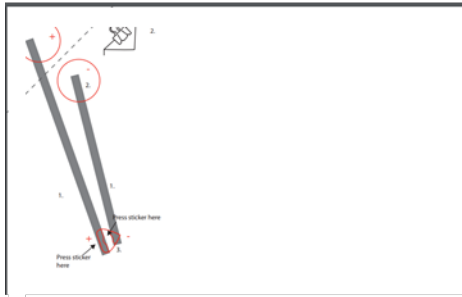
It should measure :

- 1" from top of paper to bottom of the red circle labeled with a "+"
- 1" from left edge of paper to right edge of the red circle labelled with a "+"





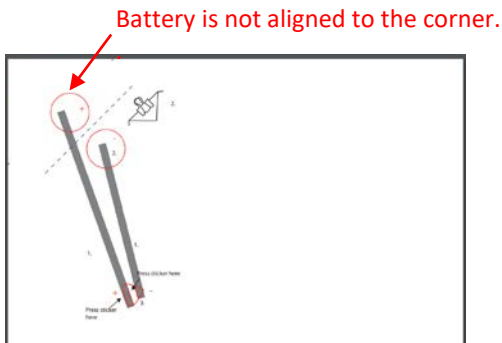
Printers with borderless (edge-to-edge) printing



Printers that don't have borderless printing



This is correct even though the corners of the page aren't being printed.



INCORRECT!



The printer has scaled the pdf to fit the paper. While it looks good, some of the circuits won't work correctly.

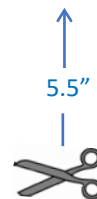
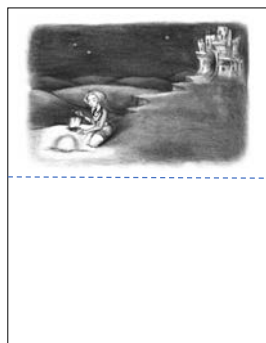
"Scale to Fit" is wrong.

Check that printer settings are set to "Actual size" and/or Scale: 100%.

4. Once the printer settings are correct, print all pages in the book.

5. Cut the bottom half of the paper sheets off.

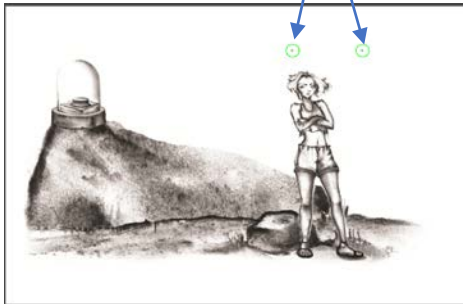
← 8.5" →



Bottom half of the sheets can be recycled or used as scrap.

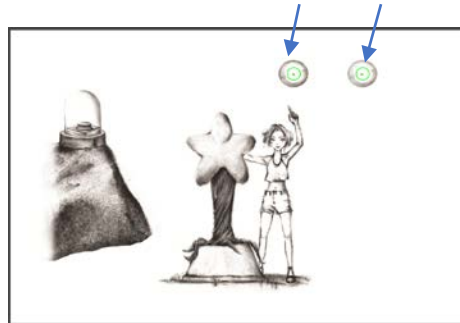
6. Take a hole puncher and punch out the two green holes on p.42, 44, 46, 48, and 50.

Punch out the  
green holes with  
a hole puncher.



p.42

...



p. 50

7. Almost done! To keep the pages together, you can punch holes on the left hand side and put the book in a binder.

Too much of a pain? Buy the kit directly at <https://chibitronics.com>