BookWorm Light-Up Book Light / BookMark

Make this adorable book worm bookmark that doubles as a book light for reading late at night.

Written By: Natasha Dzurny



TOOLS:

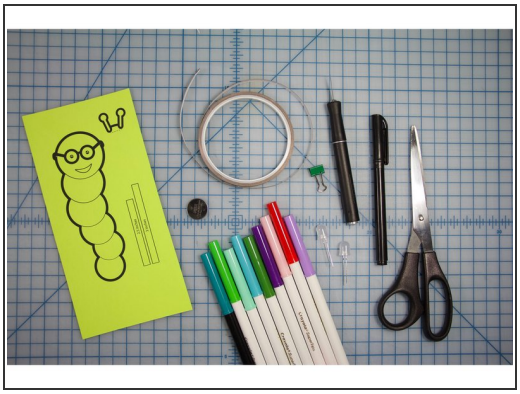
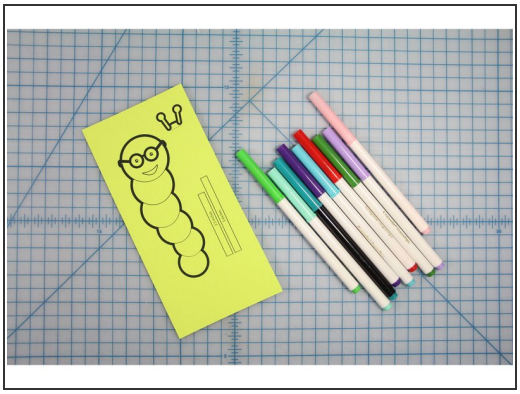
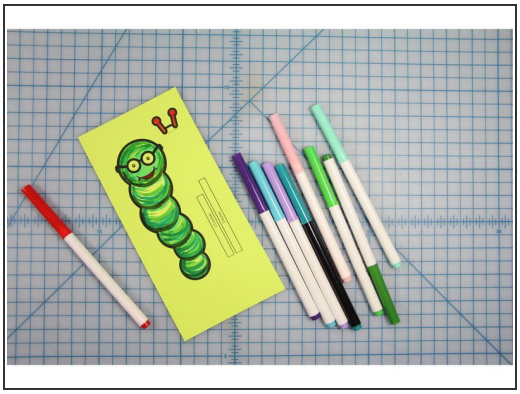
- Scissors (1)

PARTS:

- Paper Circuits Kit (1)

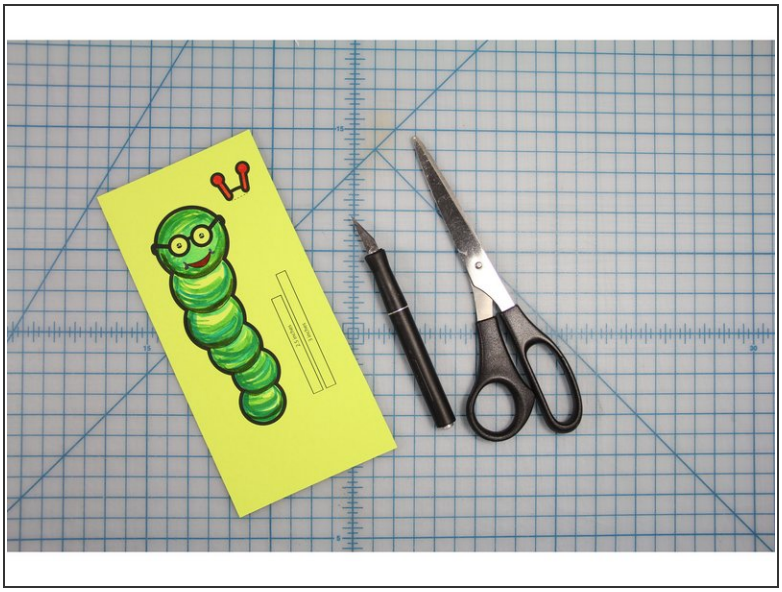
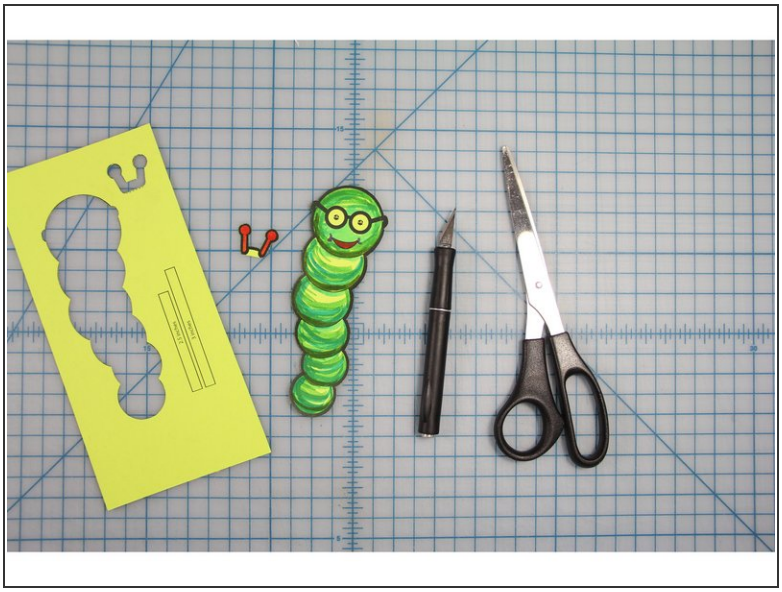
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Step 1 — BookWorm Light-Up Book Light / BookMark

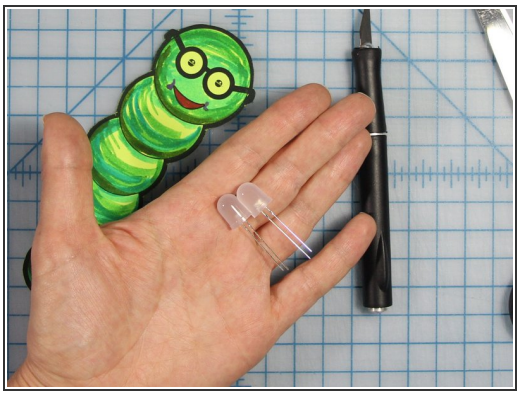
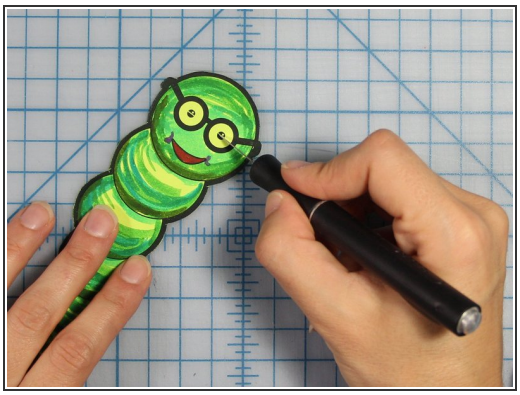
- Print the template.
- Gather supplies and color your BookWorm.

Step 2

- Use scissors or an X-acto knife to cut out the BookWorm and his antenna.

Step 3

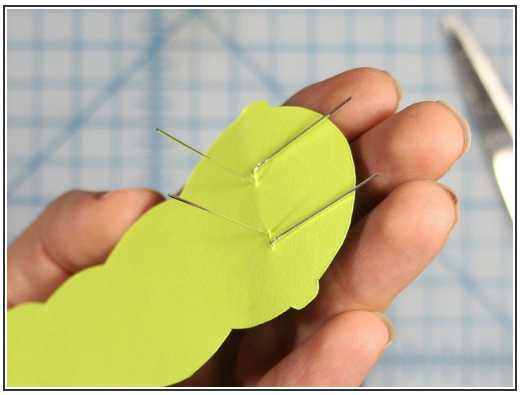
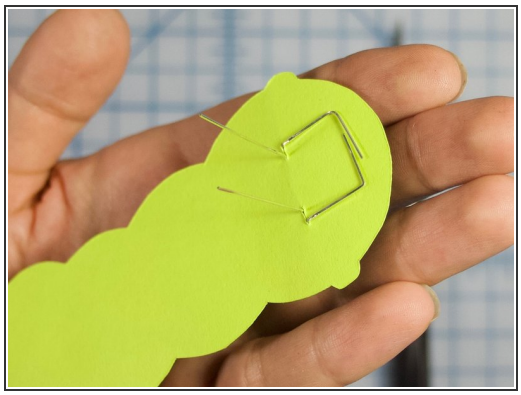
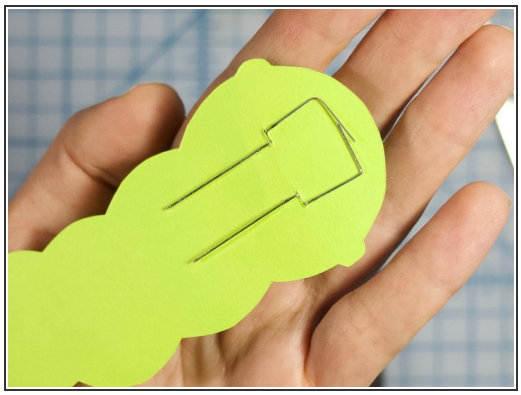

- Take out your to white LEDS
- Cut a slit across the center of the eye, where the horizontal line is.
- Poke the LED's legs through the slit

Step 4



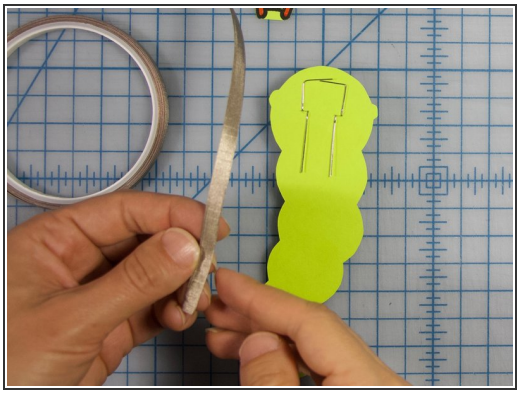
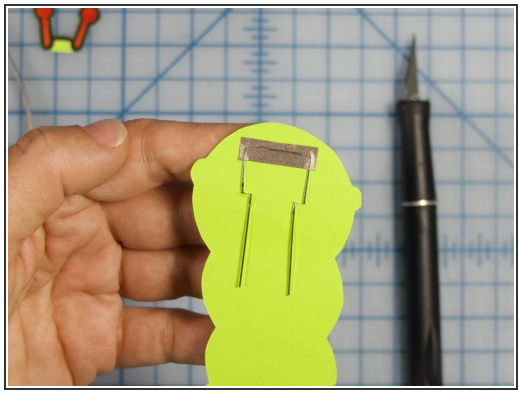
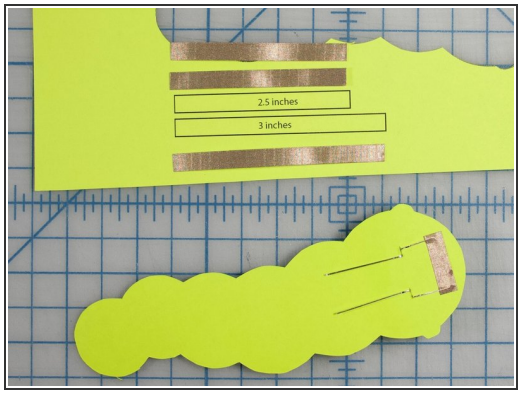

- Repeat for both eyes.

Step 5

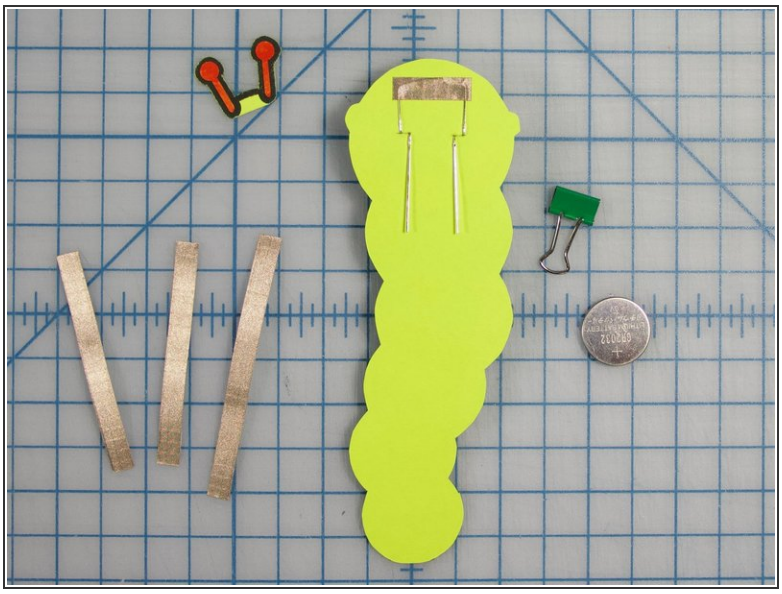
- Fold the negative, or shorter wires flat against the back of the worms head.
- Bend them 90 degrees toward each other so that they touch.
- Fold the positive, or longer wires flat against the back of the worm's head, toward the bottom of the worm.

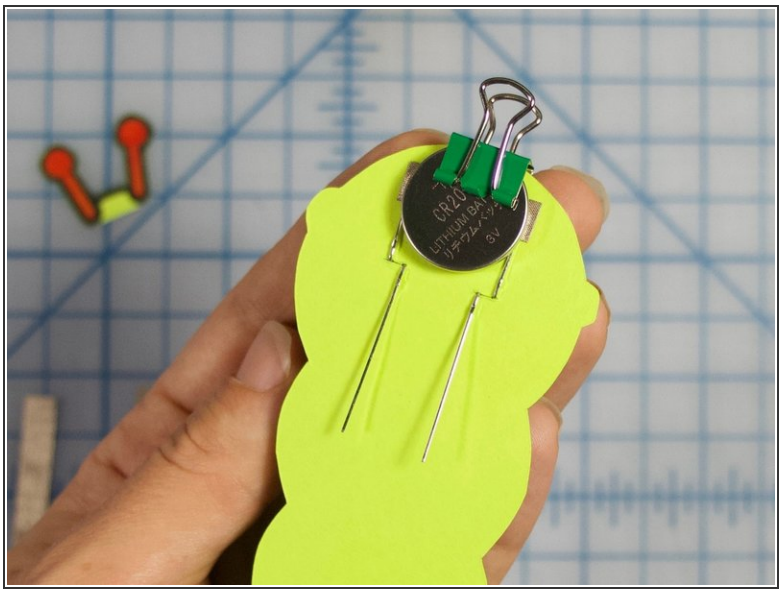
Step 6

- Cut a small piece of Maker Tape and place it across the two negative (folded) wires.
- Cut three more pieces of tape - one that is 3 inches and two that are 2.5 inches.
  - Tip: Use the guides printed on the template next to the worm to easily measure your tape lengths.

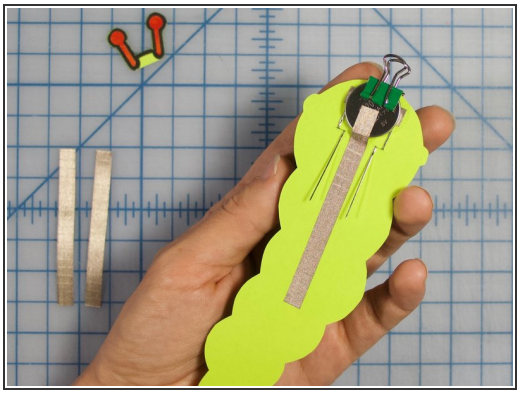
Step 7

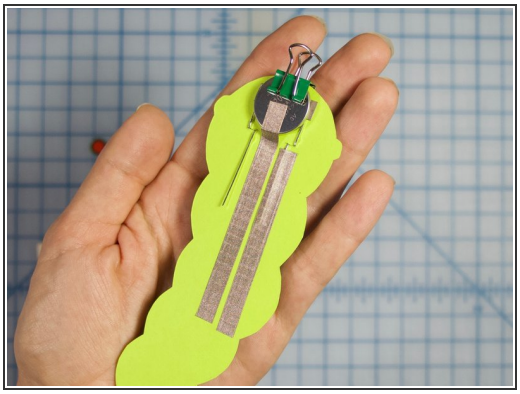


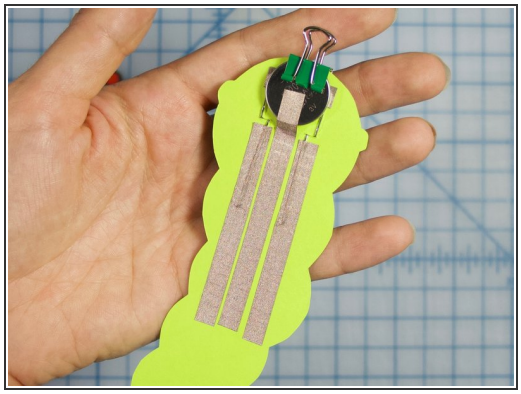


- Take out the battery and binder clip.
- Clip the battery to the top of the worms head with the positive side up.

Step 8

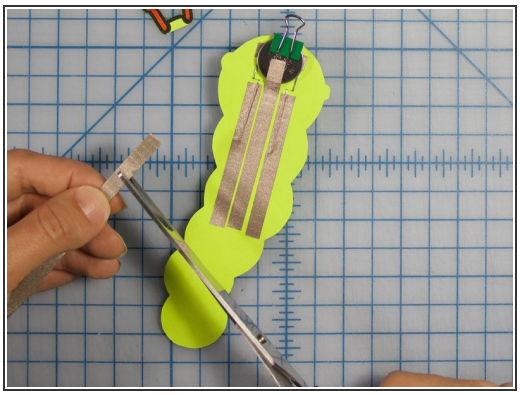
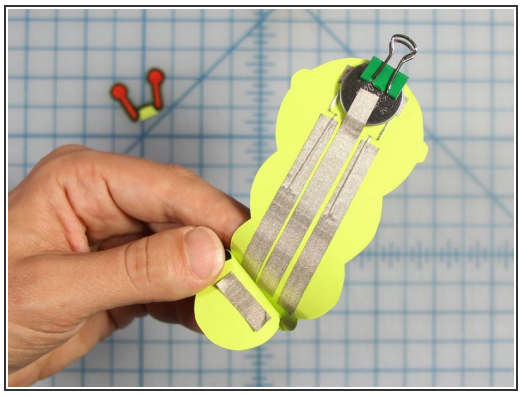
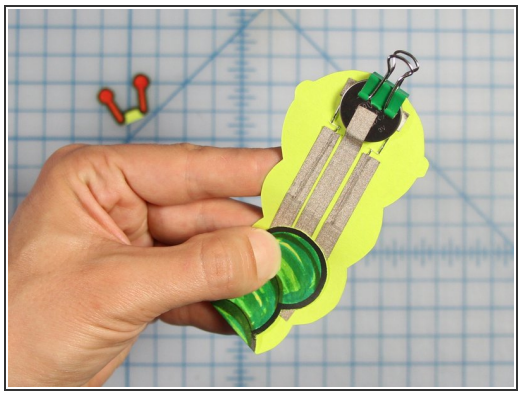






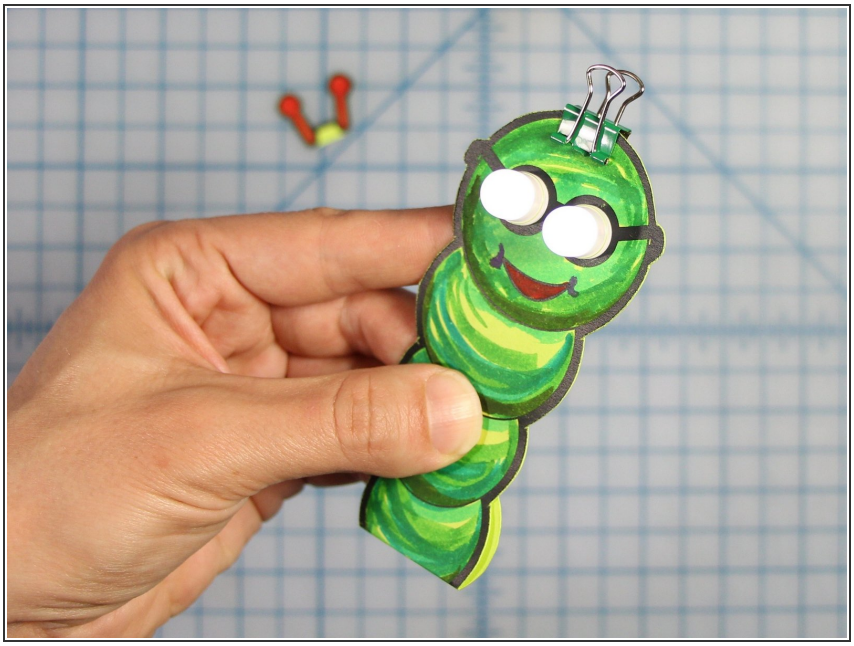
- Stick the longer, 3 inch piece of Maker Tape to the back of the battery. Make sure this piece of tape doesn't touch the positive legs of the LEDs.
- Stick the shorter, 2.5 inch pieces over each of the LEDs positive legs. All three pieces of tape should be parallel to each other and not touching.

Step 9

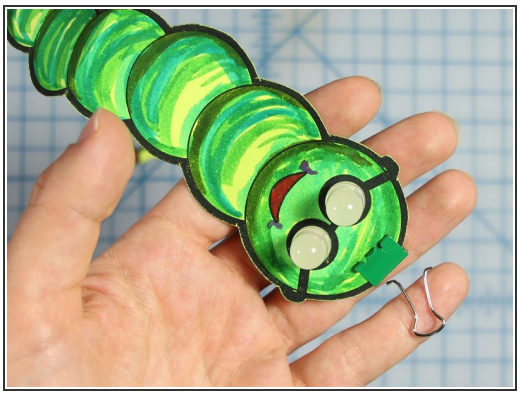
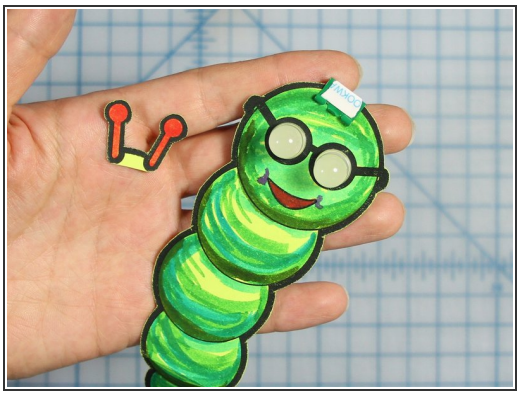
- Cut a piece of maker tape about 1 inch long.
- Fold the bottom of the worm so that the bottom most circle meets the three lines of Maker Tape.
- Place the piece of maker tape so that the tape will bridge the gaps between the three pieces and close the switch.

Step 10



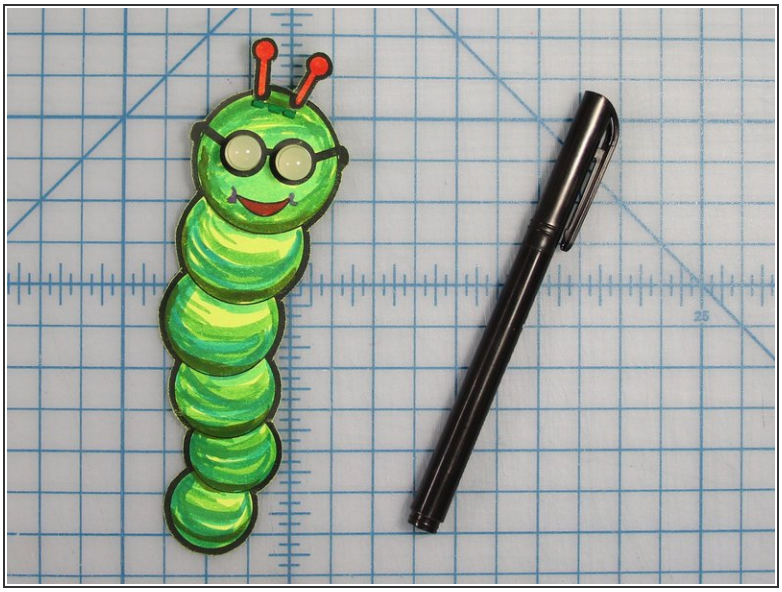
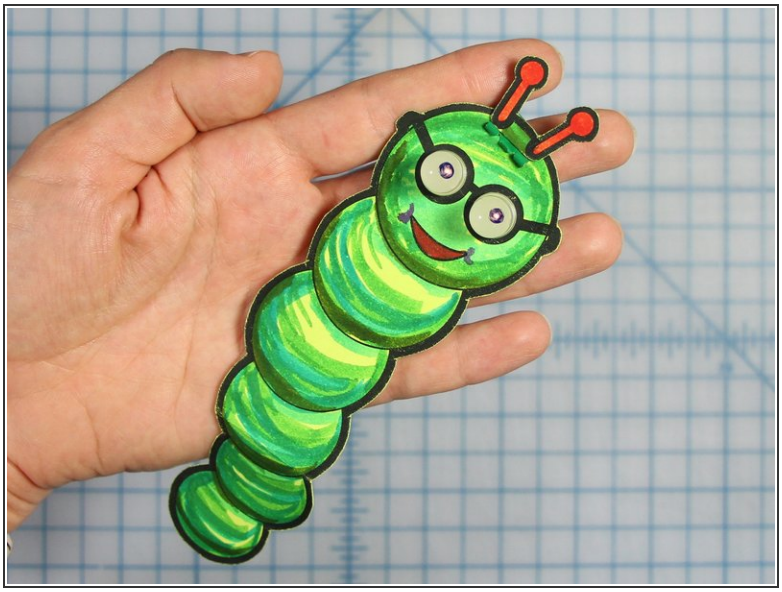
- Check that your bookworm lights up!

Step 11


- Remove the handle from your binder clip on the front of the worm.
- Glue your antenna in place on top of the binder clip.

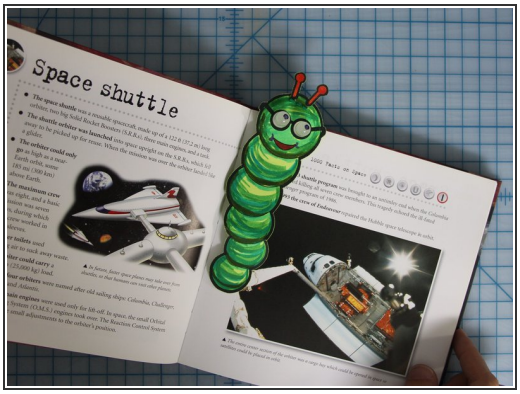
Step 12

- Use a permanent marker to draw eyeballs on top of the LEDs.

Step 13







- Use your bookmark!
- When you are putting your book away, unfold your BookWorm to make sure his battery is saved.
- When you are reading, fold your BookWorm and place him in the pages to come. Give him a squeeze and he will light your way to new reading adventures!