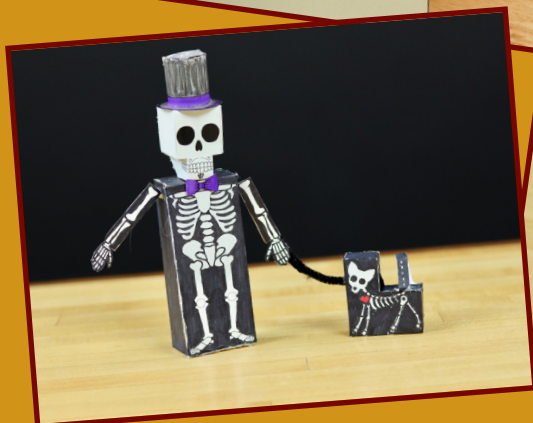
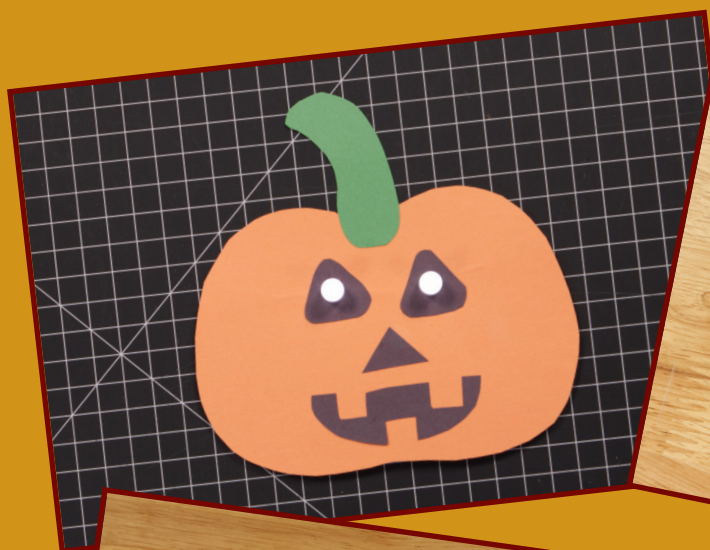


Halloween Paper Craft Projects



BROWN DOG *Gadgets*

BrownDogGadgets.com

Halloween Paper Craft Projects

Paper Circuits & Origami Circuits

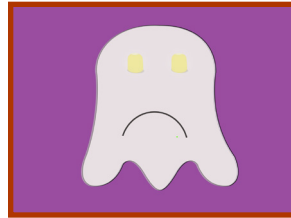
The projects in this eBook can be created using our **Paper Circuits Kit** or our **Origami Circuits Kit**. Follow the included instructions for your chosen project. You'll need your own paper, tape, glue, and scissors, as well as a safety pin or push pin to make holes in the paper for the LED legs.

Guides for each of these projects (and many more!) can be found at learn.BrownDogGadgets.com



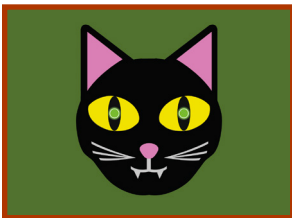
Paper Craft Jack-O-Lantern

Instructions: Pages 3-5
Template: Page 6
Time Required: 10-20 minutes



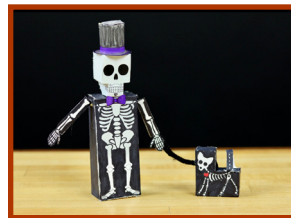
Grumpy Ghost

Instructions: Pages 16-17
Template: Pages 18-19
Time Required: 10-20 minutes



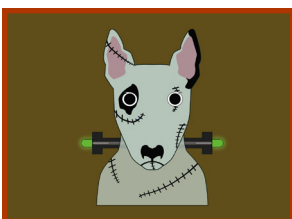
Paper Craft Black Cat

Instructions: Pages 7-9
Template: Page 10
Time Required: 20-40 minutes



Sir Skeleton

Instructions: Page 20
Template: Pages 20-22
Time Required: 30-45 minutes



Franken Terrier

Instructions: Pages 11-14
Template: Page 15
Time Required: 15-30 minutes

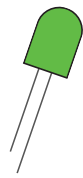


Dancing Dead

Instructions: Page 23
Template: Page 23
Time Required: 15-30 minutes



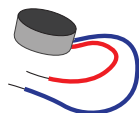
Maker Tape



LED



Battery



Motor



New to paper circuits? Check out our *Getting Started with Paper Circuits* video available at:

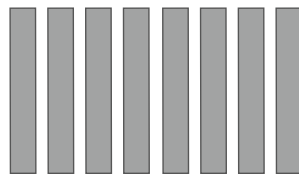
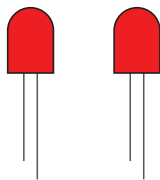
<https://youtu.be/BxOqugaHIZE>



Paper Craft Jack-O-Lantern

Make a Jack-O-Lantern (with light-up eyes) using two LEDs, a CR2032 battery, and some Maker Tape.

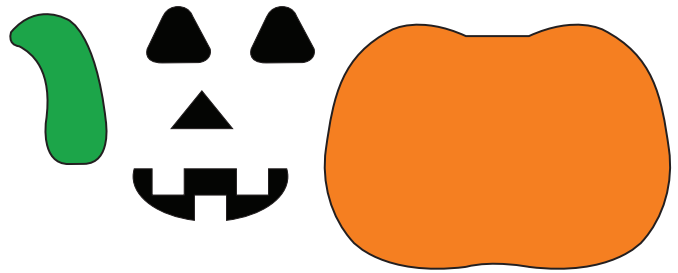
You can find all these parts in our Paper Circuits Kit. Just supply your own scissors, glue, and paper.



Paper Craft Jack-O-Lantern

1 Cut Parts

Cut out the parts to make your Jack-O-Lantern. You can use the template found on the last page or you can cut your own shapes. Use construction paper or cardstock.



2 Assemble Parts

Attach the eyes, nose, mouth, and stem using glue or tape. (You can also use markers, crayons, or colored pencils to create the face.)



3 Poke Holes

Use a safety pin or a thumbtack to poke holes for the LED legs to go through.



4 Insert LED Legs

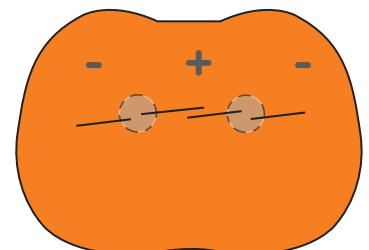
The longer (positive) legs of the LEDs should be on the inside (closer to the stem) and the shorter (negative) legs should be on the outside edge.



5 Bend LED Legs Flat

Turn your Jack-O-Lantern over and bend the LED legs flat against the paper.

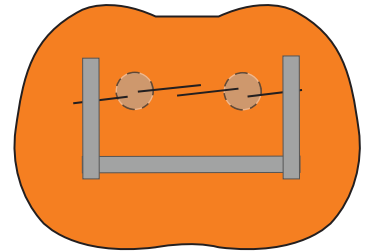
The two longer (positive) legs should touch. If they don't touch we'll need to make sure we connect them with some Maker Tape.



Paper Craft Jack-O-Lantern

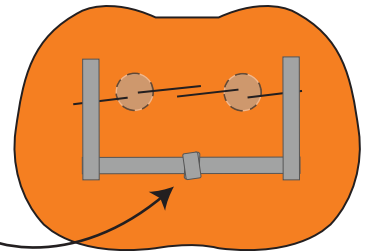
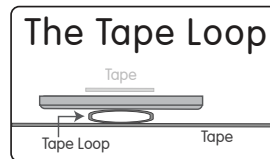
6 Add Negative Tape

Add Maker Tape so the two shorter (negative) legs on the outside are connected with a third piece of tape forming a wide "U" shape.



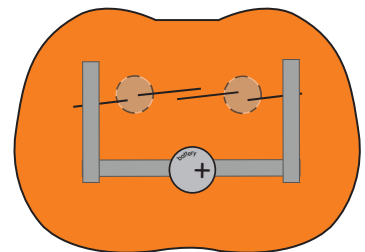
7 Add a Tape Loop

Make a loop of tape and stick it down to the bottom piece of tape. (This is where we'll stick our battery.)



8 Add the Battery

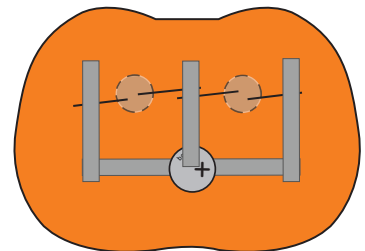
Stick the battery down to the Tape Loop with the negative side down to the Tape Loop and the positive side facing up. (Positive is the shiny side with a + sign on it.)



9 Add the Positive Tape

Finally, add one more piece of Maker Tape that connects the two longer (positive) LED legs to the top of the battery.

Make sure the positive tape is touching both positive LED legs, and if it is not, just add another piece of tape to connect them.



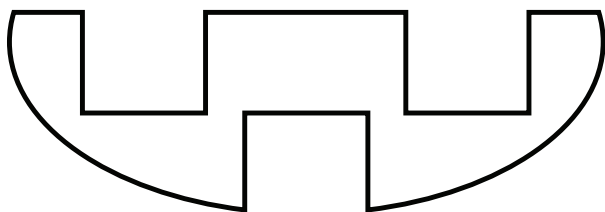
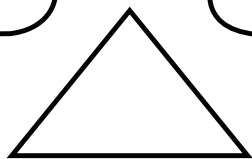
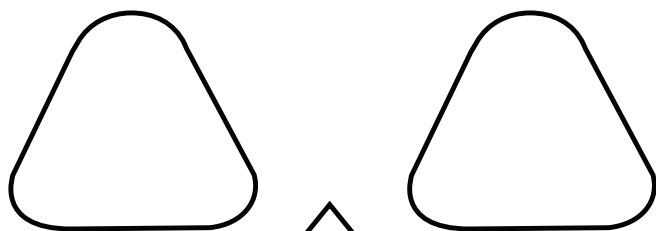
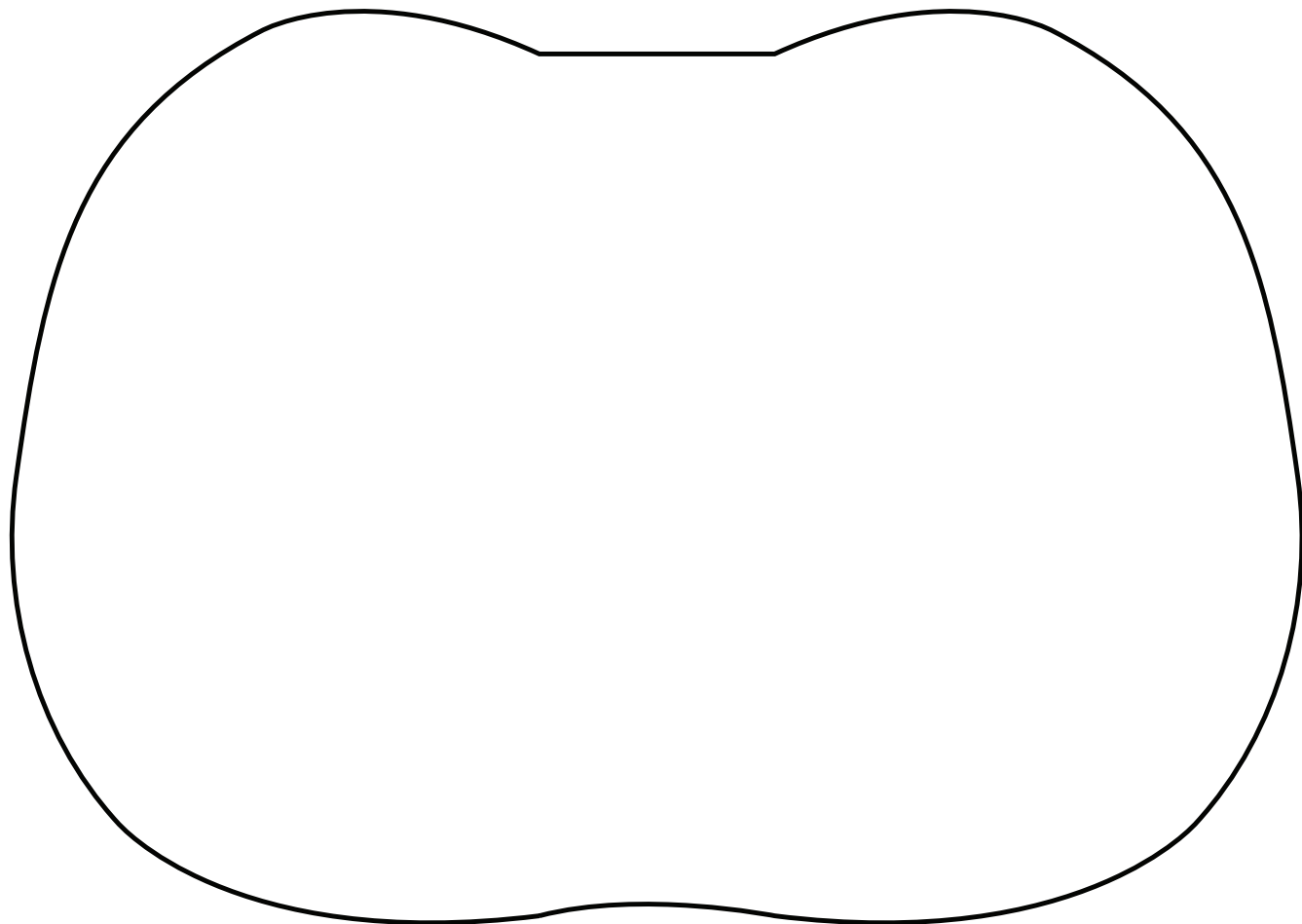
10 Enjoy your light-up Jack-O-Lantern!

If it doesn't light up, check all your connections. Just press down on the tape firmly.

If only one LED lights up you may have one of them reversed. Flip the battery upside down and see if it lights up. You may need to remove and rotate an LED 180 degrees for the correct polarity.



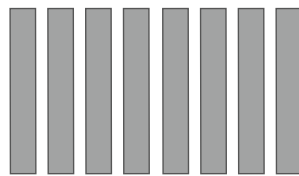
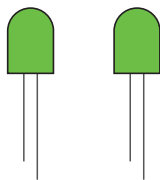
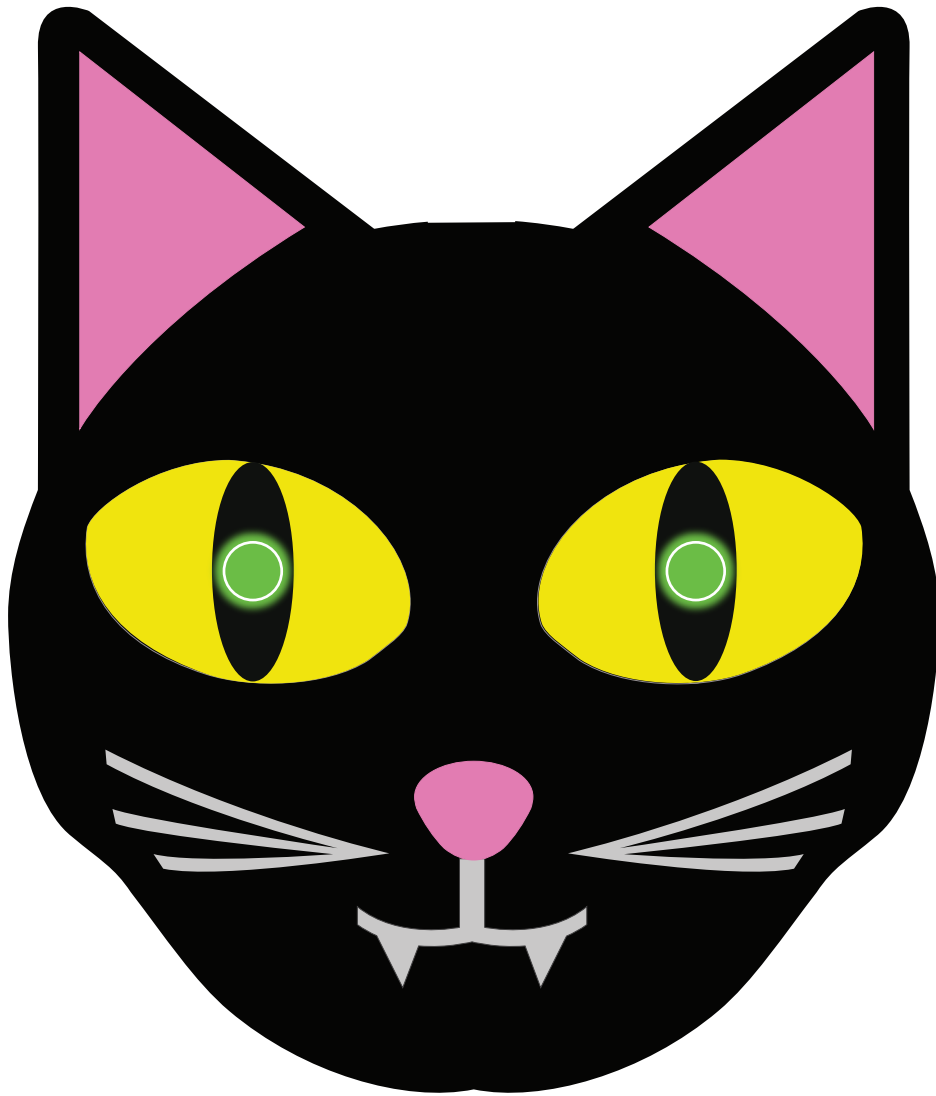
Paper Craft Jack-O-Lantern



Paper Craft Black Cat

Make a Black Cat (with light-up eyes) using two LEDs, a CR2032 battery, and some Maker Tape.

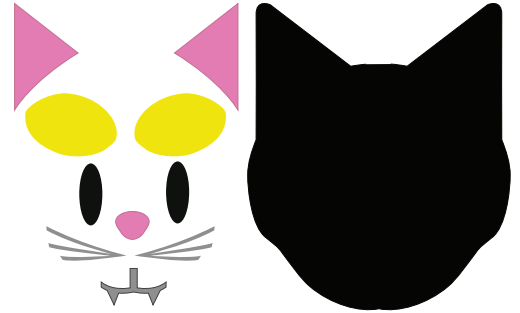
You can find all these parts in our Paper Circuits Kit. Just supply your own scissors, glue, and paper.



Paper Craft Black Cat

1 Cut Parts

Cut out the parts to make your Black Cat. You can use the template found on the last page or you can cut your own shapes. Use construction paper or cardstock.



2 Assemble Parts

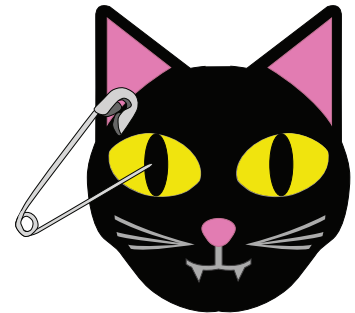
Glue the inside parts of the eyes to the outside part of the eyes, then glue the eyes to the face. Add the ears, whiskers, and the mouth/teeth and then the nose.

(You can also use markers, crayons, or colored pencils to create the face.)



3 Poke Holes

Use a safety pin or a thumbtack to poke holes for the LED legs to go through.



4 Insert LED Legs

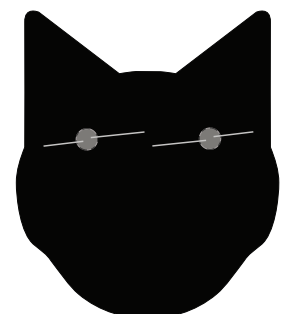
The longer (positive) legs of the LEDs should be on the inside (closer to the nose) and the shorter (negative) legs should be on the outside edge.



5 Bend LED Legs Flat

Turn your Black Cat over and bend the LED legs flat against the paper.

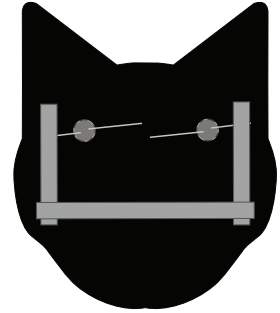
The two longer (positive) legs should touch. If they don't touch we'll need to make sure we connect them with some Maker Tape.



Paper Craft Black Cat

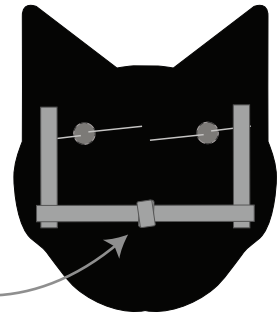
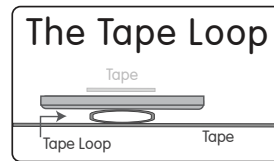
6 Add Negative Tape

Add Maker Tape so the two shorter (negative) legs on the outside are connected with a third piece of tape forming a wide "U" shape.



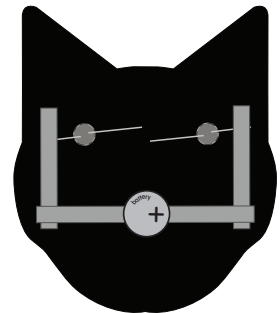
7 Add a Tape Loop

Make a loop of tape and stick it down to the bottom piece of tape. (This is where we'll stick our battery.)



8 Add the Battery

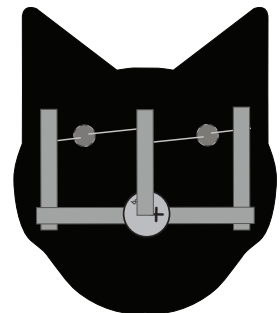
Stick the battery down to the Tape Loop with the negative side down to the Tape Loop and the positive side facing up. (Positive is the shiny side with a + sign on it.)



9 Add the Positive Tape

Finally, add one more piece of Maker Tape that connects the two longer (positive) LED legs to the top of the battery.

Make sure the positive tape is touching both positive LED legs, and if it is not, just add another piece of tape to connect them.



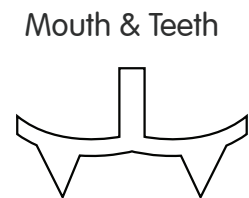
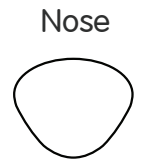
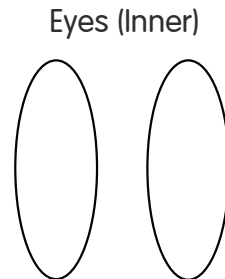
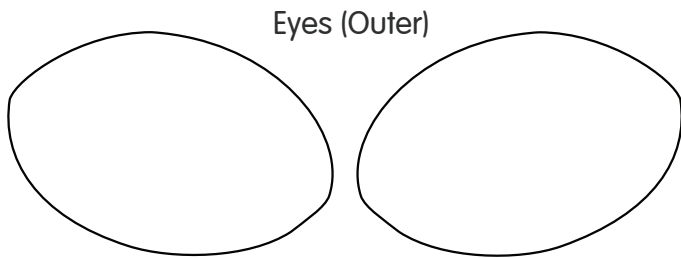
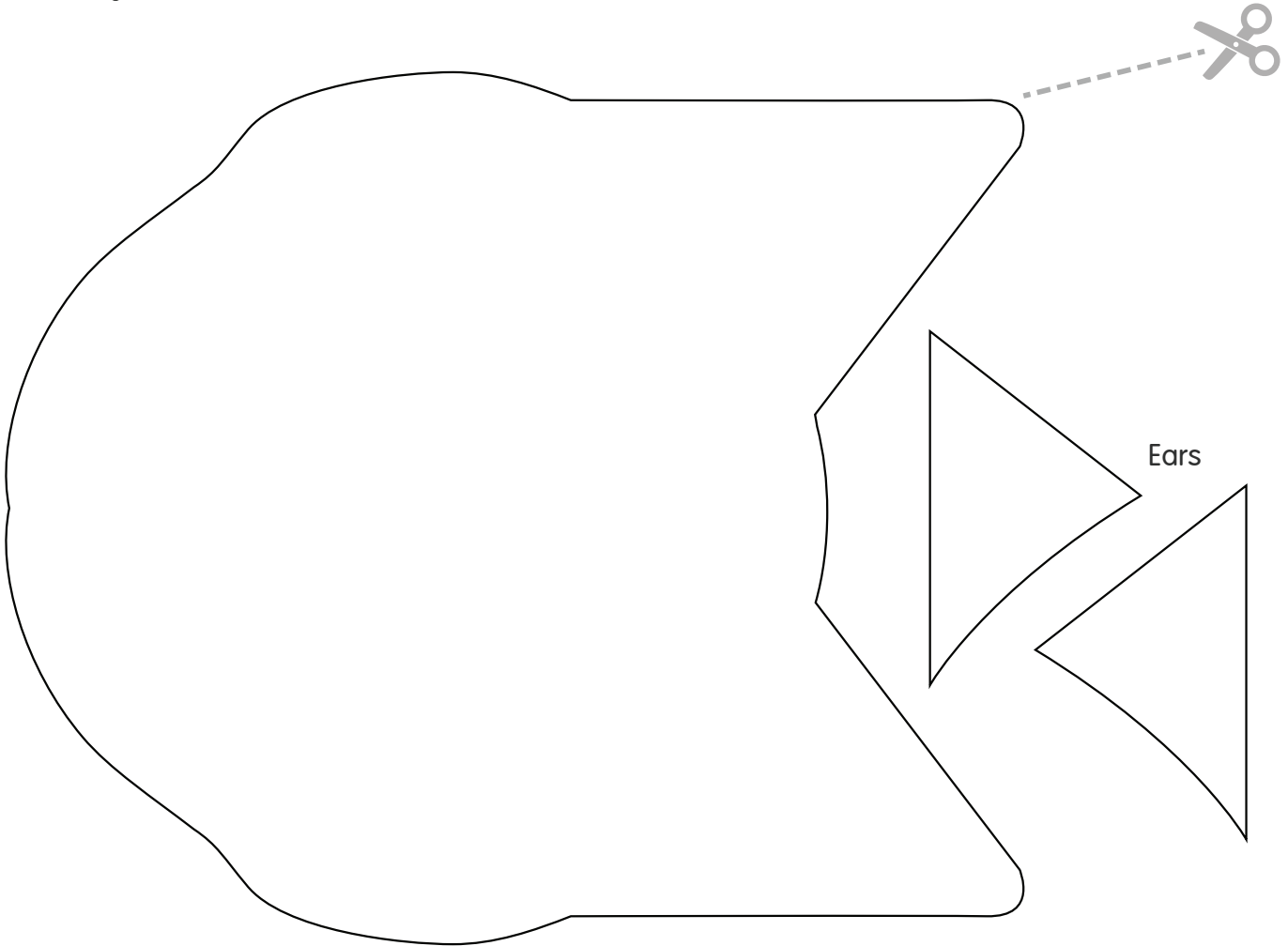
10 Enjoy your light-up Black Cat!

If it doesn't light up, check all your connections. Just press down on the tape firmly.

If only one LED lights up you may have one of them reversed. Flip the battery upside down and see if it lights up. You may need to remove and rotate an LED 180 degrees for the correct polarity.



Paper Craft Black Cat

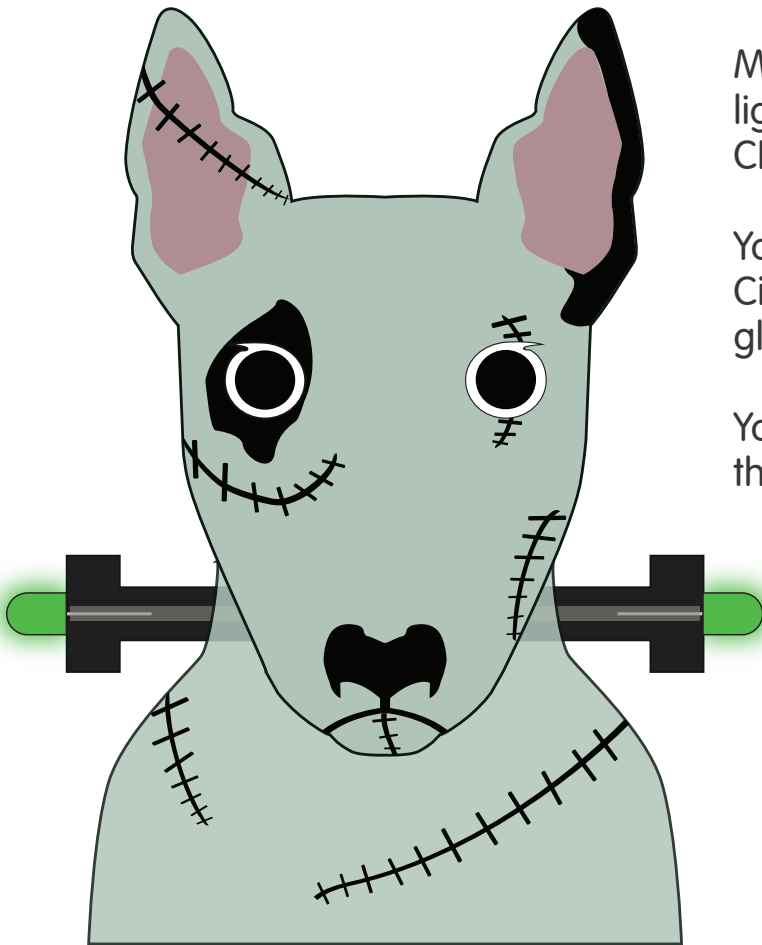


Franken Terrier

Make a spooky Franken Terrier (with light-up neck bolts!) using two LEDs, a CR2032 battery, and some Maker Tape.

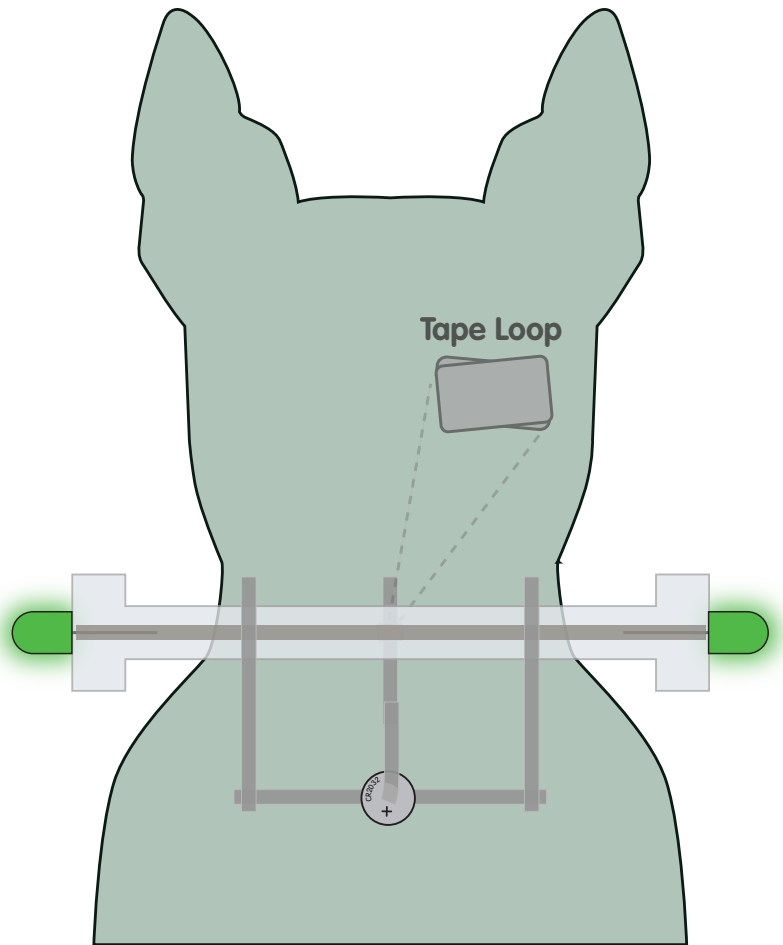
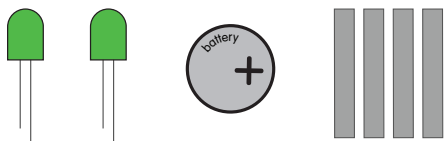
You can find all these parts in our Paper Circuits Kit. Just supply your own scissors, glue, and paper.

You'll find the template for this project on the last page of the guide.



Front

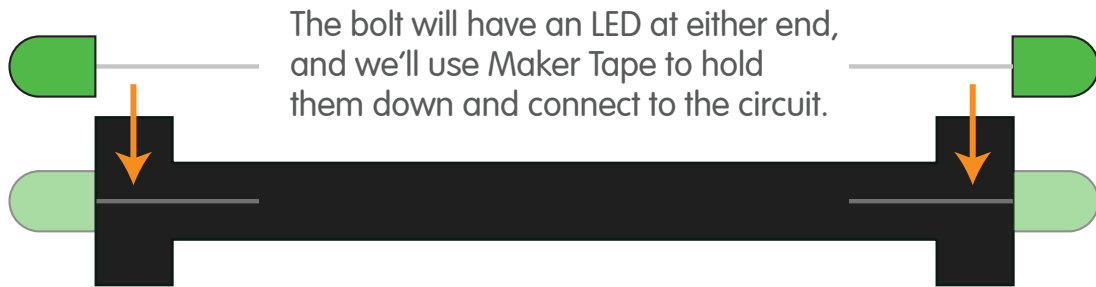
We'll use a Tape Loop to connect the bolt piece with LEDs to the back of the head. This will allow us to hide the battery on the back and will power the LEDs.



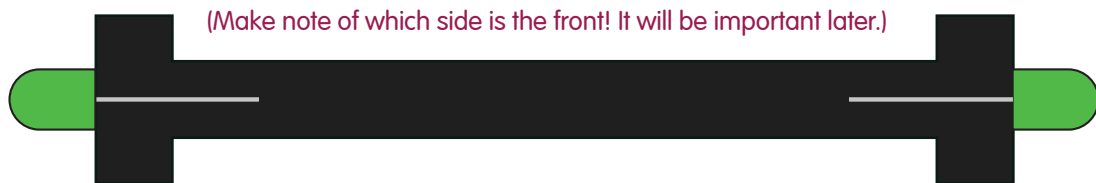
Back

Franken Terrier

1 Front of Bolt



Place the LEDs onto the bolt so that the positive (longer) legs are on the front side.



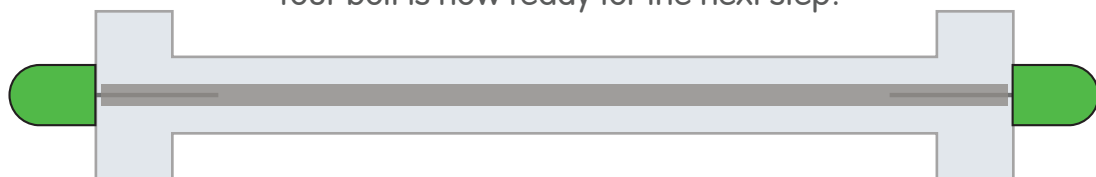
Tape down the LED legs with Maker Tape. You can use one long piece or overlapping pieces.



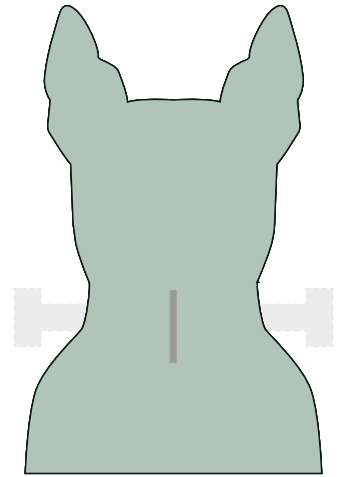
2 Back of Bolt

Flip the bolt over and apply Maker Tape to the negative (shorter) legs in the same fashion.

Your bolt is now ready for the next step!

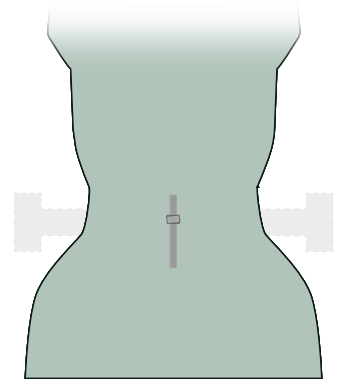


- 3** On the back of the head add a piece of Maker Tape vertically. It should be long enough to stick out of the top and bottom sides of the bolt.



- 4** Using Maker Tape, create a "Tape Loop" and stick it down to the vertical piece of tape.

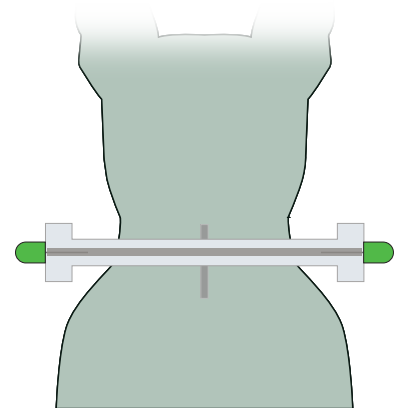
(This is where we're going to attach the bolt.)



- 5** Attach the bolt to the Tape Loop.

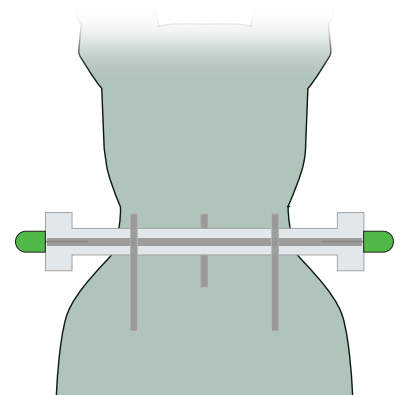
Make sure the positive side is facing down and that the Maker Tape strip is touching the Tape Loop.

We now have our positive connection!



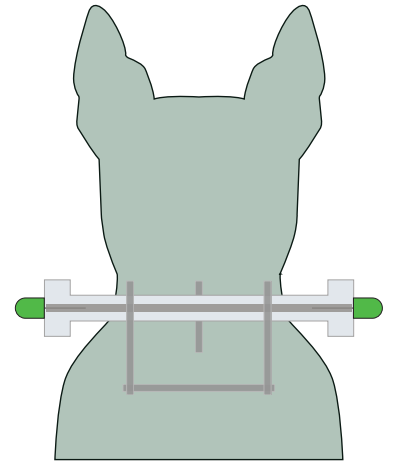
- 6** Add two more vertical strips of Maker Tape. These will be the negative connection to the LEDs.

Tip: You don't need to use two strips, but it helps hold the bolt in place more securely. If you only use one strip of Maker Tape you can use regular tape for the other side.

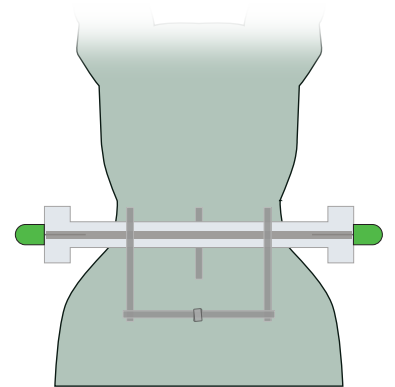


- 7** Add a horizontal strip of tape that connects the two vertical strips of negative tape.

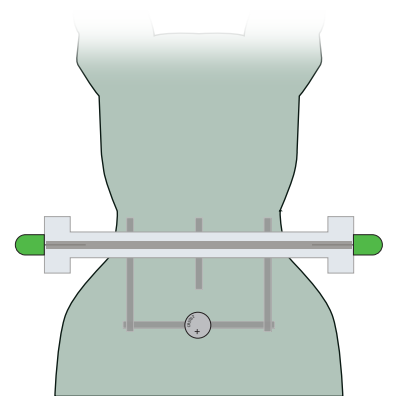
If you only used one vertical strip in the previous step then you only need to connect the piece to that one strip.



- 8** Add another Tape Loop. This one will hold the battery in place and provide power to the circuit!

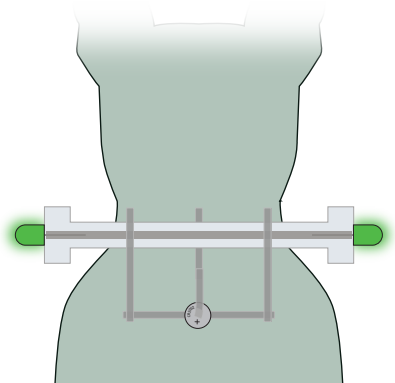


- 9** Stick the battery down to the Tape Loop. Make sure the positive (+) side is facing up.

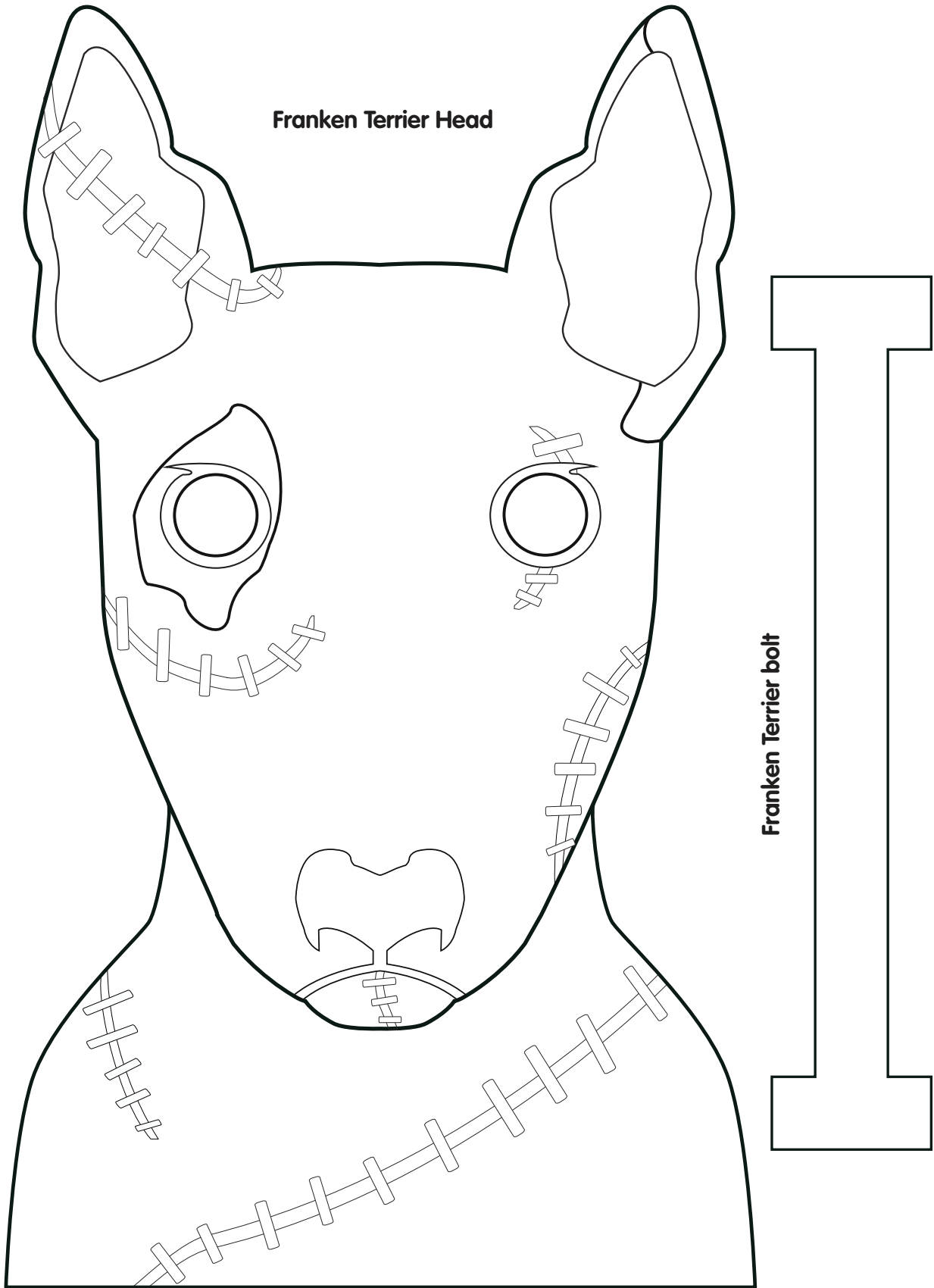


- 10** Finally, add one last piece of Maker Tape that connects the vertical positive strip to the top of the battery.

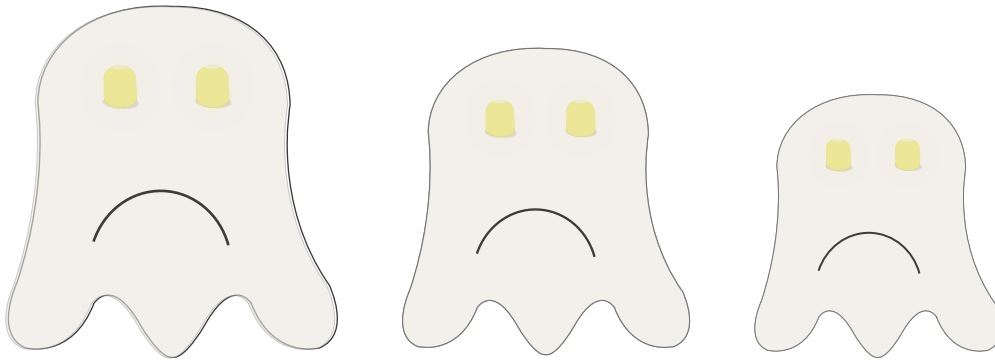
Your circuit should light up! 😊



Franken Terrier

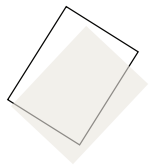


Paper Craft Grumpy Ghost!



TIME:
5-10 MINUTES

YOU WILL NEED:



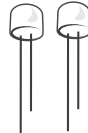
Paper & Vellum
(We recommend 8# Cardstock.)



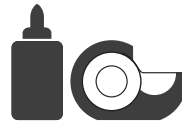
Scissors or X-AXTO Knife



1/4" MakerTape



2 LEDs



Glue, or Adhesive Tape
(To attach back layer)



1 Coin Cell Battery

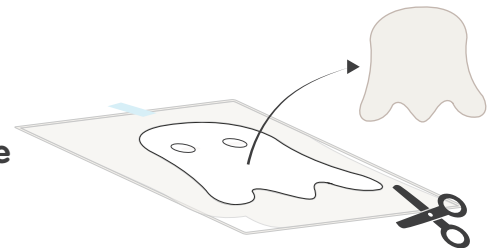


1 Push Pin

Make an adorable Halloween Friend with glowing LED eyes!
You can find the LEDs, Battery, and Maker Tape in our Paper Circuits Kit.

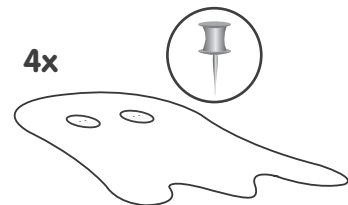
1 CUT GRUMPY GHOST

Print Grumpy Ghost template. Tape translucent vellum on top of it. Using the template as a guide, cut the same ghost shape out of both the vellum and your chosen template paper.



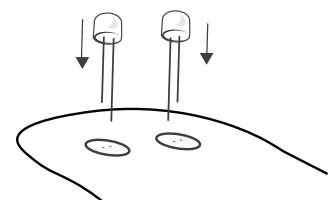
2 POKE HOLES for LED LEGS

Use a paper clip or push pin to poke 4 holes where shown on front of template. Each cluster of two is for the legs of one of your two LEDs. They are marked "L" and "S" to indicate which hole gets a long leg and which gets a short one.

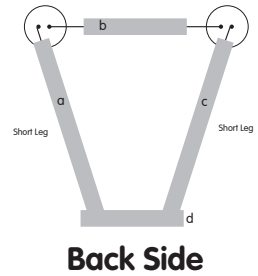


3 INSERT LEDs

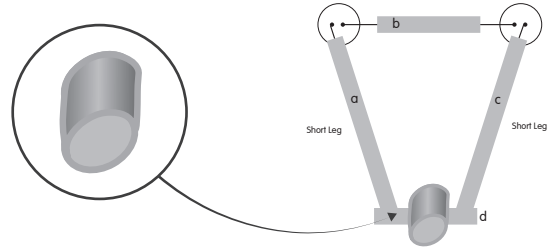
Identify the long & short legs of each LED. Thread the legs of each LED through their cluster of holes from the front to the back taking care to orient the LED so the long (+) legs go through holes marked L and the short (-) legs go through holes marked S.



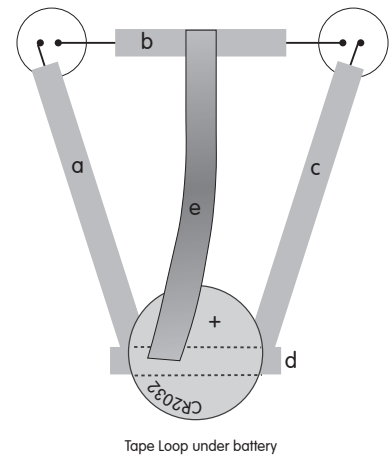
- 4 BEND LEGS and LAY TAPE PATHS**
 Flip your project over and bend the LED legs so they lay flat against the paper where shown. Measure, cut, peel, and stick Maker Tape segments to create pathways "A-D" (segments A,B,C go OVER the LED legs).



- 5 MAKE and PLACE TAPE LOOP**
 Make a tape loop of Maker Tape and place it where shown on the circuit diagram atop path segment "D".

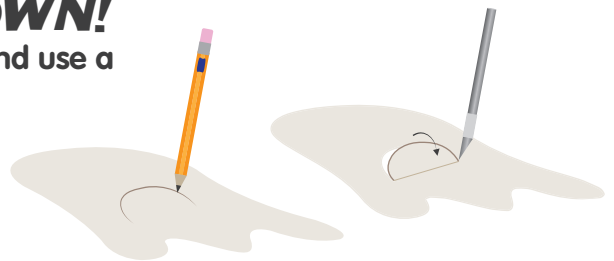


- 6 PLACE BATTERY**
 Stick battery atop the tape loop so that the positive (+) side faces UP.

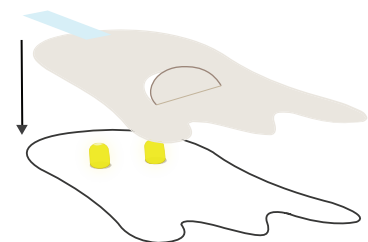


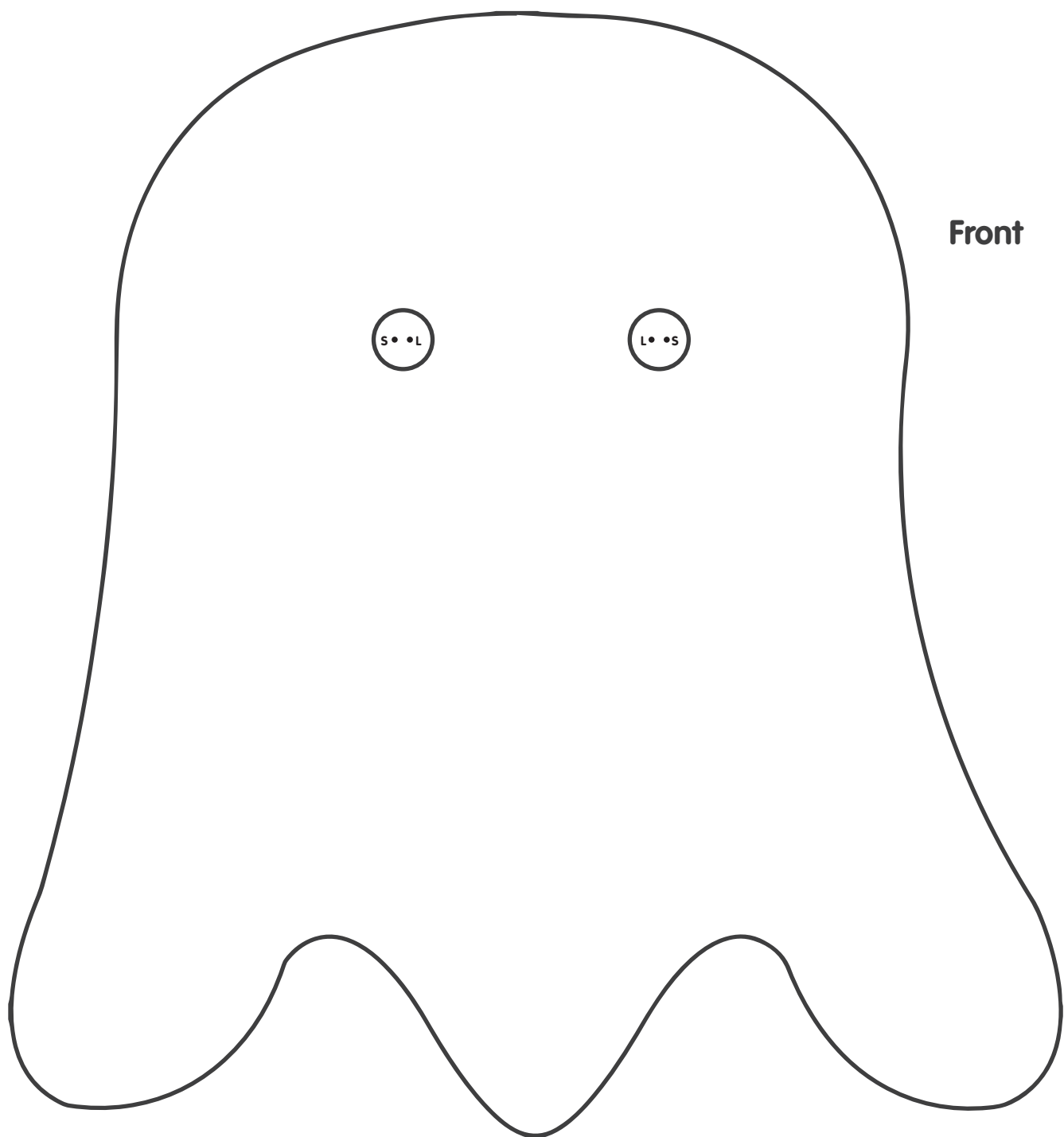
- 7 THE FINAL TAPE PATH**
 Measure, cut, peel, and stick Maker Tape segment "E" to complete the circuit and turn the LEDs on. Peel tape back from battery to turn the LEDs off.

- 8 GIVE THAT GHOST A FROWN!**
 Lightly sketch a single line for the ghost's mouth and use a craft knife to cut on that single line. If you don't feel comfortable using a craft knife, a single black line with marker also gives a nice effect.

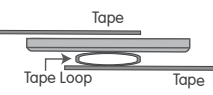


- 9 TAPE VELLUM LAYER ON TOP**
 Lay the Vellum atop the front of the completed white paper circuit layer/LEDs and tape in place at the top.





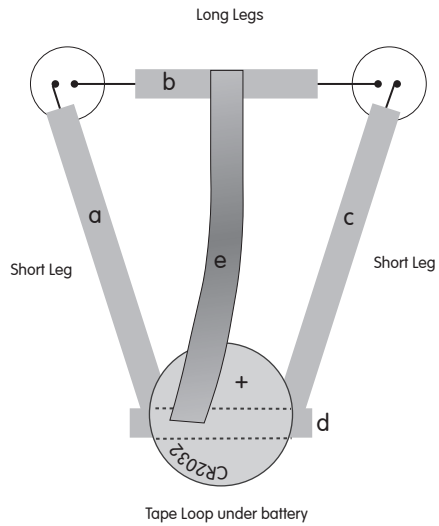
The Tape Loop



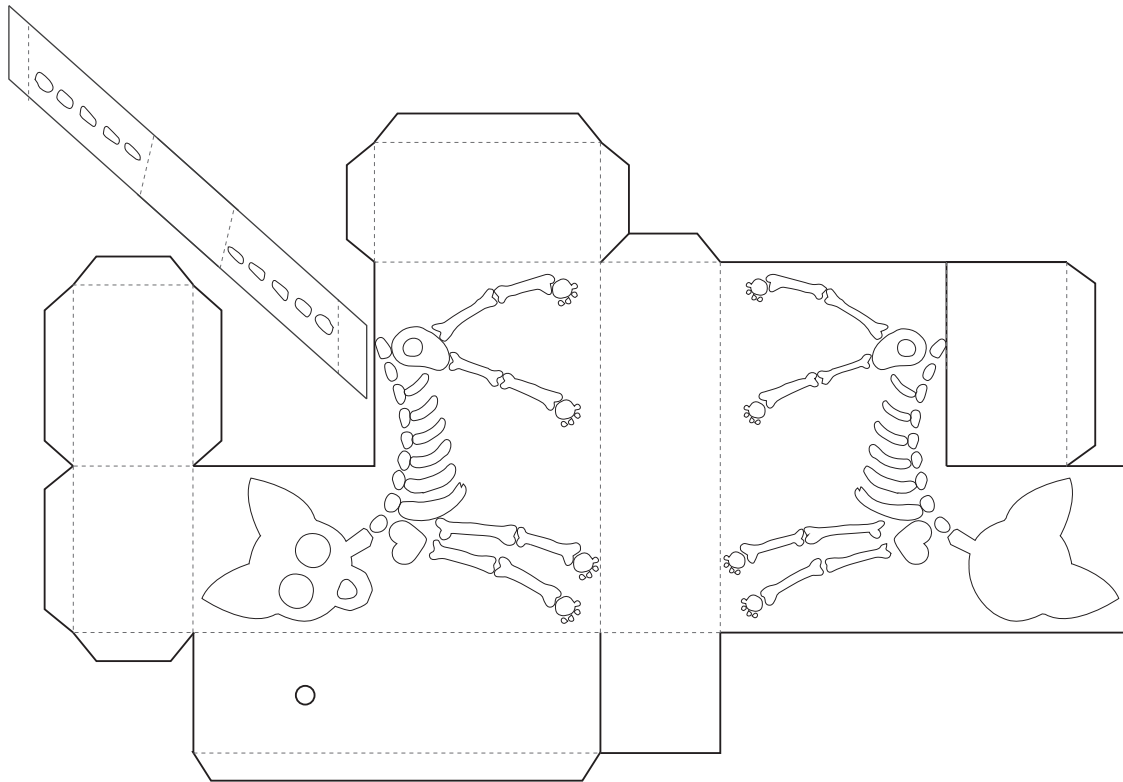
Make a small tape loop underneath the battery to stick it down to the tape.

Hang from here.

Back



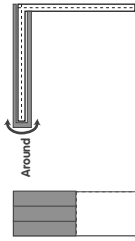
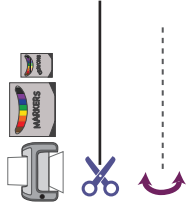
Sir Skeleton



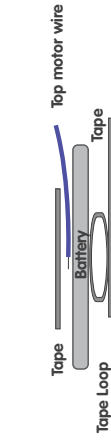
Sir Skeleton Build Guide

* For best results print on heavy cardstock.

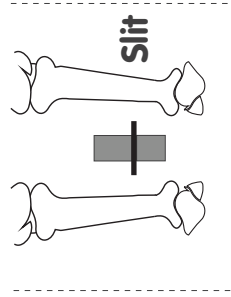
- 1 Print & color your template
- 2 Cut along the solid lines
- 3 Fold along the dotted lines
- 4 Assemble circuit
- 5 Glue or tape it together



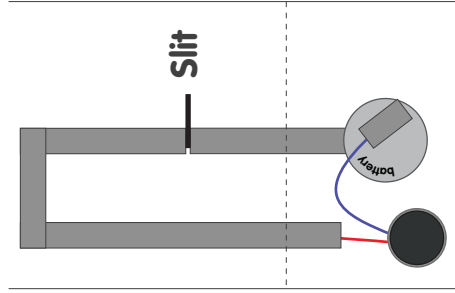
Fold in half the long way.
Fold this new section in half
along remaining dotted line.



Make a tape loop to stick the battery down

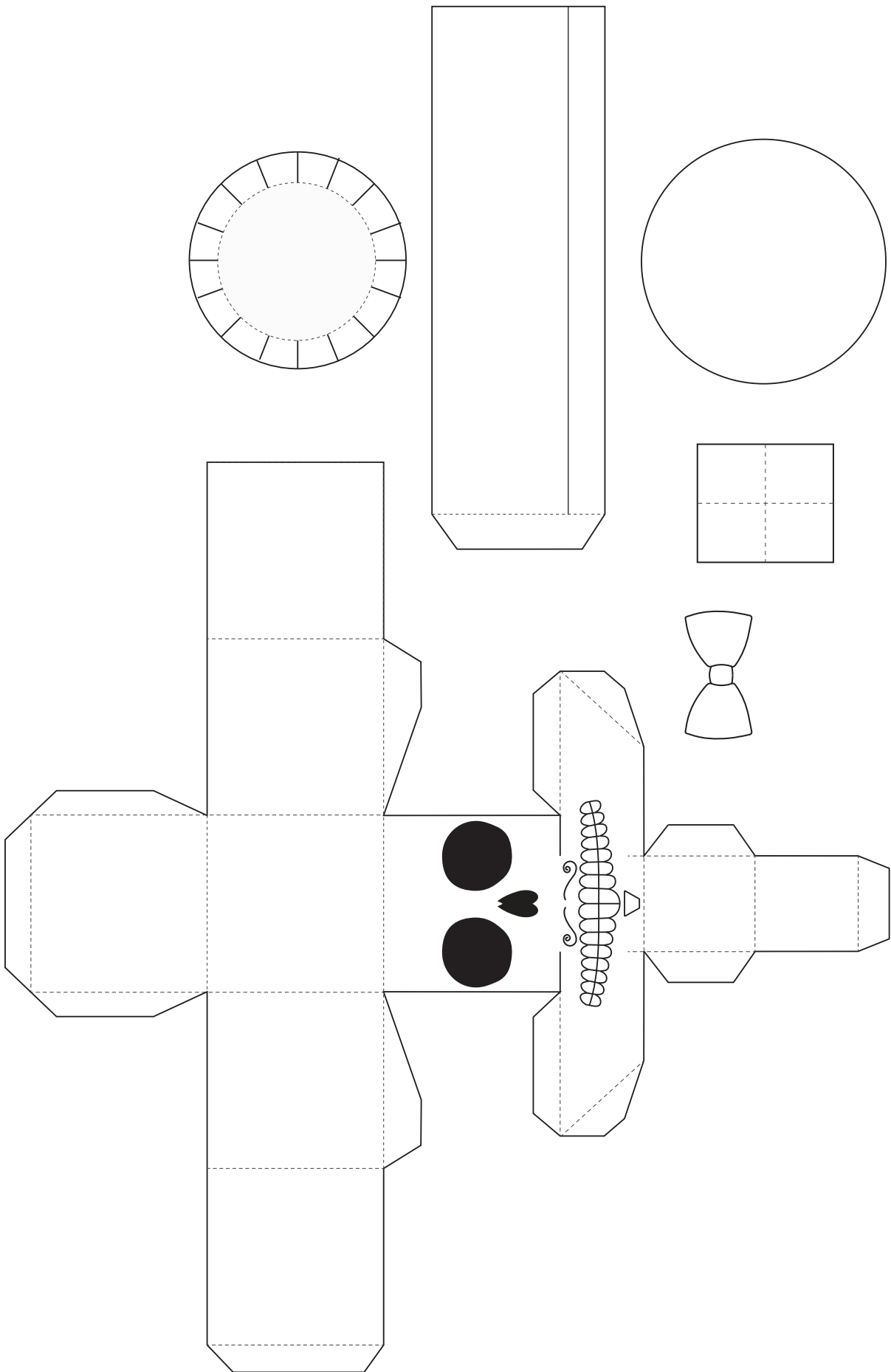


Outside back of the Skeleton

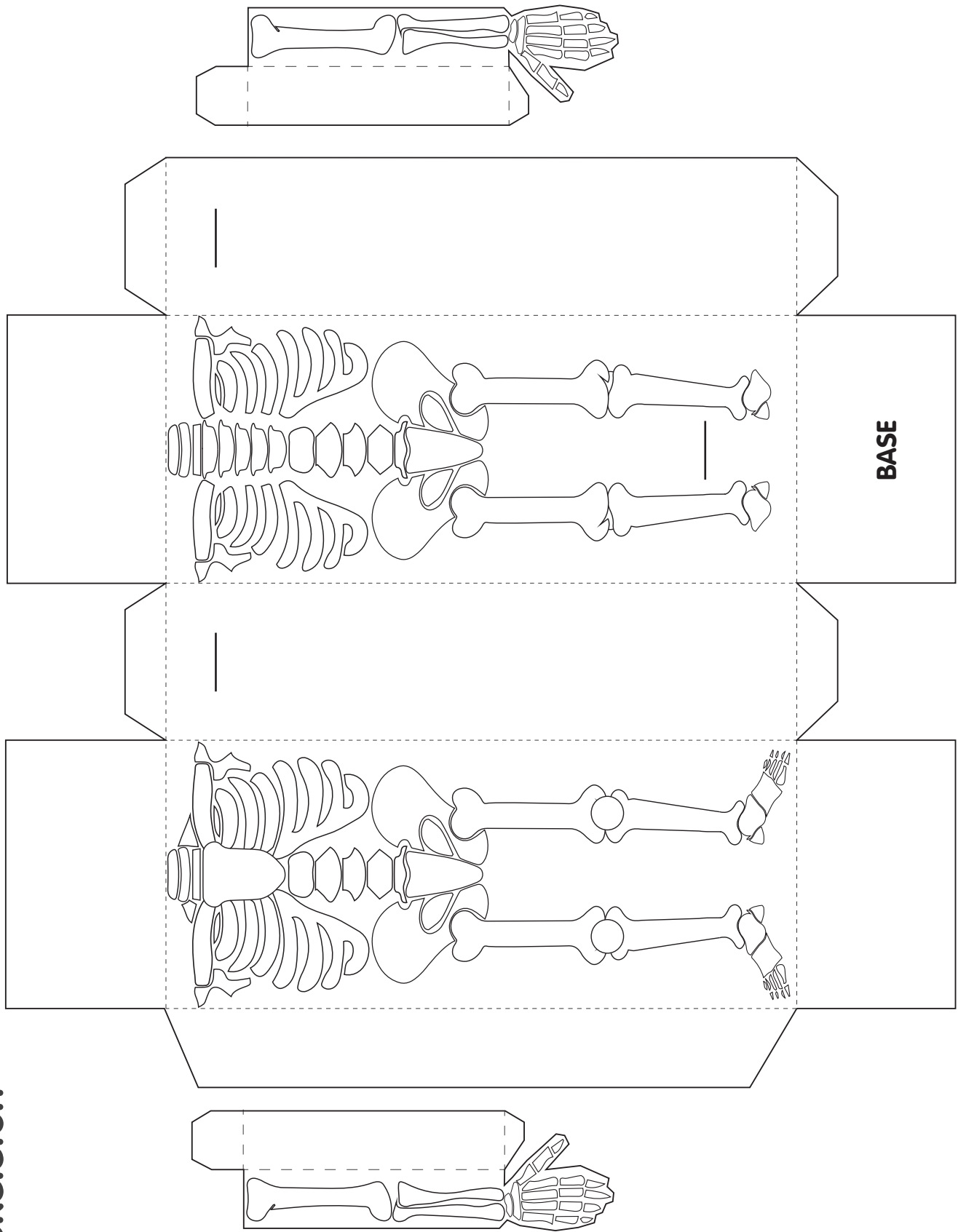


Inside Skeleton on panel labeled BASE.

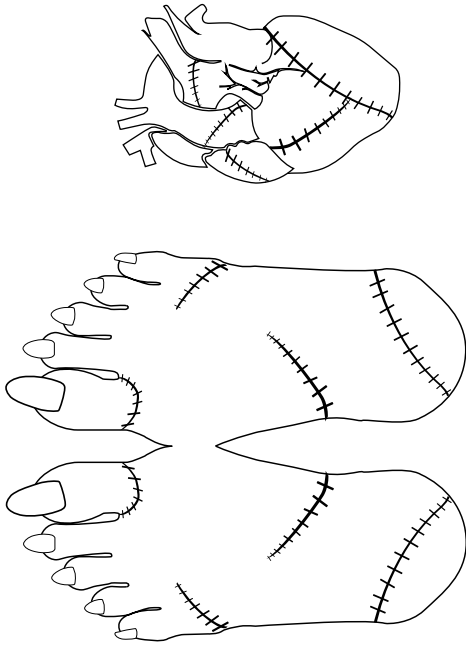
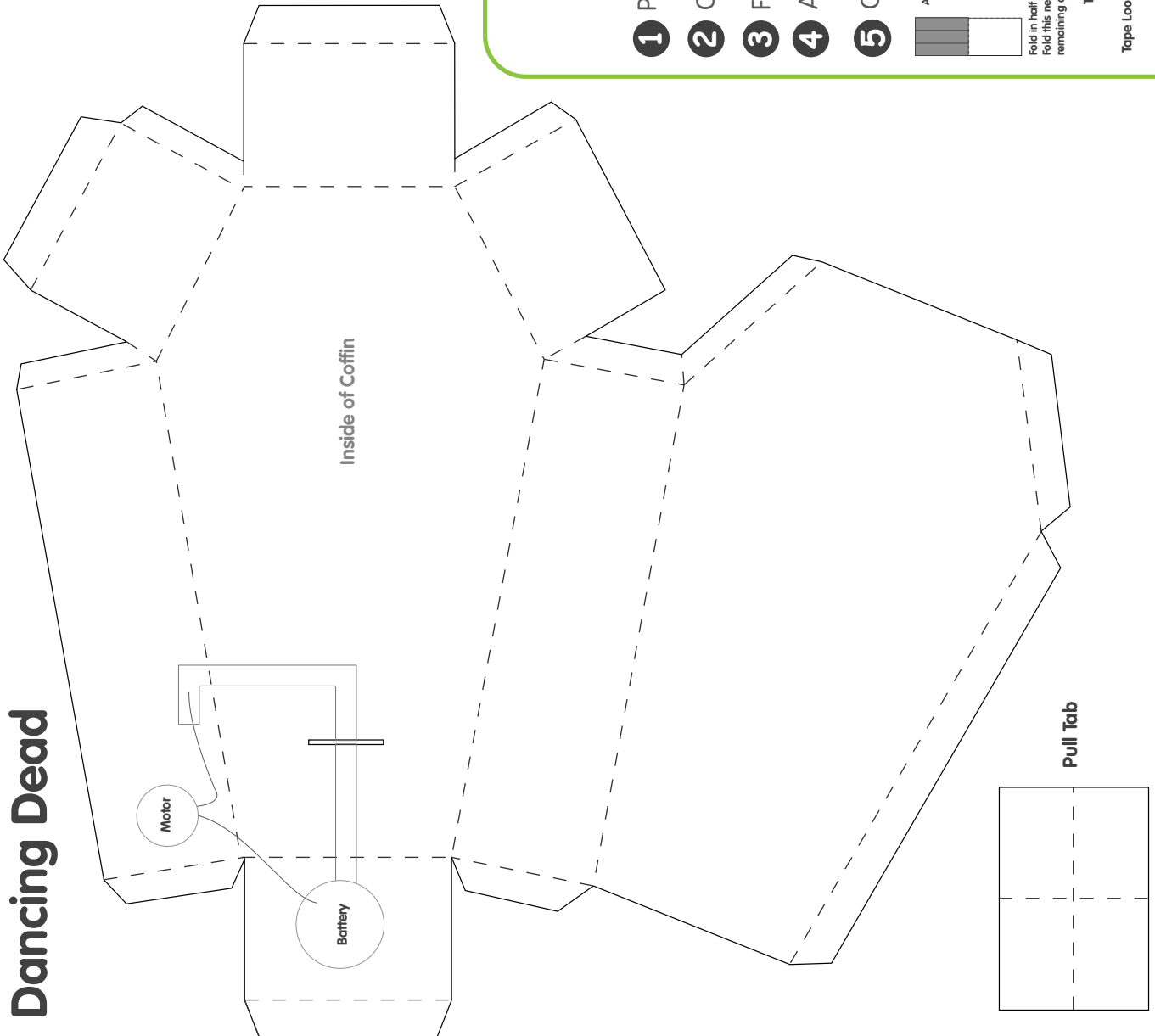
Sir Skeleton



Sir Skeleton








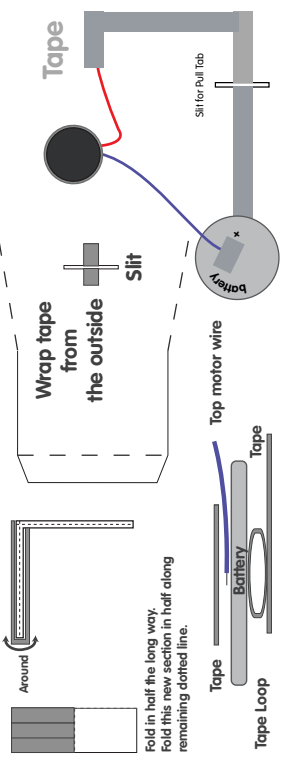
Dancing Dead



Dancing Dead Build Guide

* For best results print on heavy cardstock.

- 1 Print & color your template 
- 2 Cut along the solid lines 
- 3 Fold along the dotted lines 
- 4 Assemble circuit 
- 5 Glue or tape it together 



Wrap tape from the outside

Tape

Slit for Pull Tab

Battery

Top motor wire

Tape Loop

Tape

Make a tape loop to stick the battery down

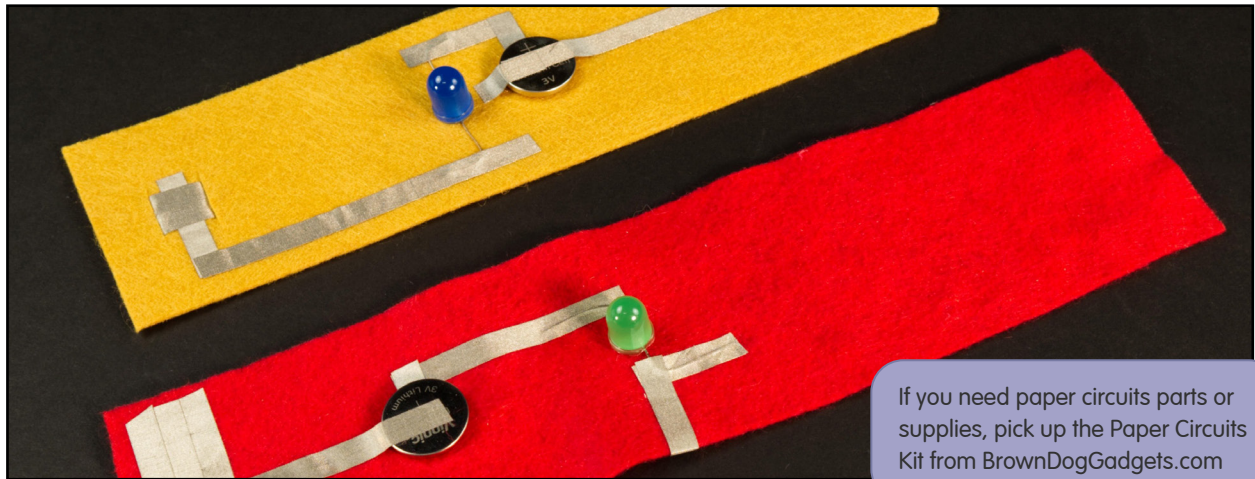
Around

Fold in half the long way. Fold this new section in half along remaining dotted line.

More Projects & Inspiration

Using Maker Tape allows you to build circuits on more surfaces than just paper!

This makes it a great material to design circuits on top of felt or other craft materials, like the LED bracelet below. It works great on cardboard, tabletops, even glass windows. With the same paper circuits techniques, you can build all kinds of projects! The possibilities are endless.



If you need paper circuits parts or supplies, pick up the Paper Circuits Kit from BrownDogGadgets.com

Light-Up Cards (Maker Tape, LEDs, Batteries, and Paper)



Light-Up Heart



Laser Cat



Birthday Candles

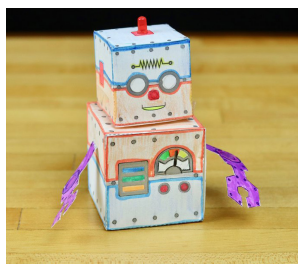


Light-Up Tree

Robots and Wearables (Maker Tape, LEDs, Motors, Batteries, Paper, Felt)



Tree Bracelet



Motor Robot Buddy



Motor Robot Vacuum



Monster Bracelet

These are just some of the projects to try next! Check out all of our free project templates and guides available to download at www.BrownDogGadgets.com



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Learn, Create, and Inspire—Even on a Budget

Creating a project from scratch can be difficult for the casual builder. Finding the right directions, the right parts, and the right tools—all at the right price—can be a major hurdle.

At Brown Dog Gadgets, we've created kits and projects for creators of all ages and budgets. Follow our step-by-step project directions and learn more with our classroom resources or find individual parts to dream up your own creations. No matter how or what you create, our products can help you learn the basics of electronics, circuitry, and solar energy.

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