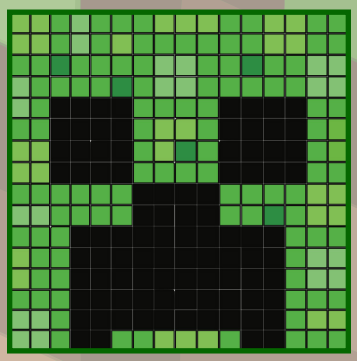
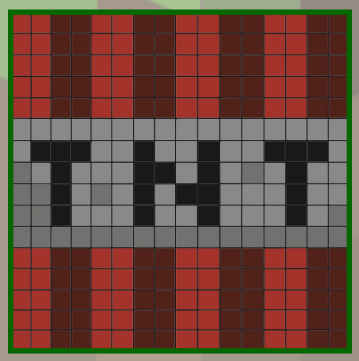
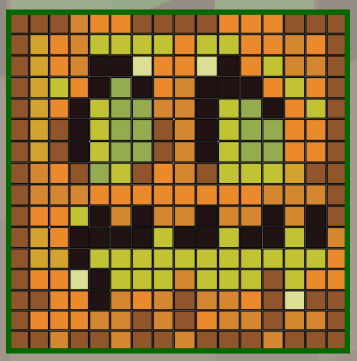
MINECRAFT-Inspired

Paper Circuits eBook







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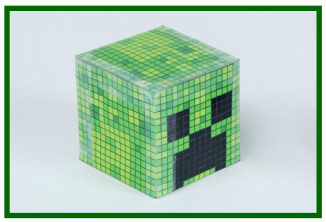
MINECRAFT-Inspired

Paper Circuits eBook

In this eBook you'll find full-color pages that are ready to be printed and assembled as well as black & white versions that you can add a coloring activity to in addition to the circuit building.

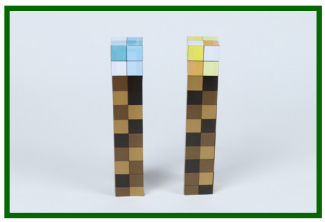
The projects in this eBook can be made with our Paper Circuits Kit or Origami Circuits Kit. Most require Maker Tape, a CR2032 Battery, and either a Jumbo 10mm LED or a Vibrating Motor. (You'll need to supply your own paper, scissors, tape, and colored pencils, crayons, or markers.)

Note: Pages should be printed double-sided. There are two blank pages included to accomodate for this.



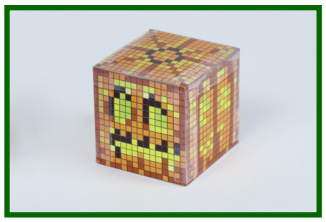
Vibration Creeper

Pages 3-4
Time Required: 15-30 minutes
Requires: Vibrating Motor, Maker Tape, and Battery



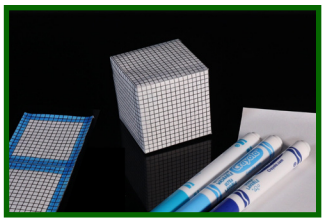
Light-Up LED Torches

Pages 19-24 (Color)
Pages 25-28 (Black & White)
Time Required: 15-30 minutes
Requires: LED, Maker Tape, and Battery



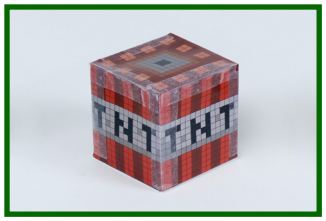
Vibration Jack-O-Lantern

Pages 5-6
Time Required: 15-30 minutes
Requires: Vibrating Motor, Maker Tape, and Battery



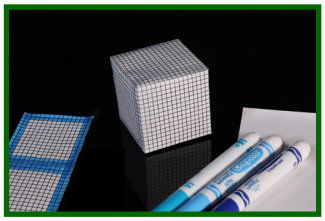
Vibration Blank

Pages 29-30
Time Required: 15-60 minutes
Requires: Vibrating Motor, Maker Tape, and Battery



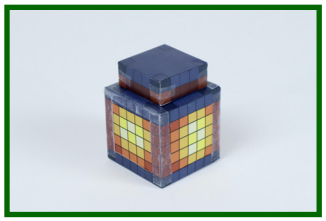
Vibration Dynamite

Pages 7-8
Time Required: 15-30 minutes
Requires: Vibrating Motor, Maker Tape, and Battery



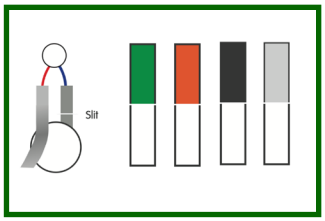
Light-Up LED Blank

Pages 31-32
Time Required: 15-60 minutes
Requires: LED, Maker Tape, and Battery



Light-Up LED Lantern

Pages 9-13 (Color)
Pages 14-18 (Black & White)
Time Required: 20-30 minutes
Requires: LED, Maker Tape, and Battery



Slit Switches

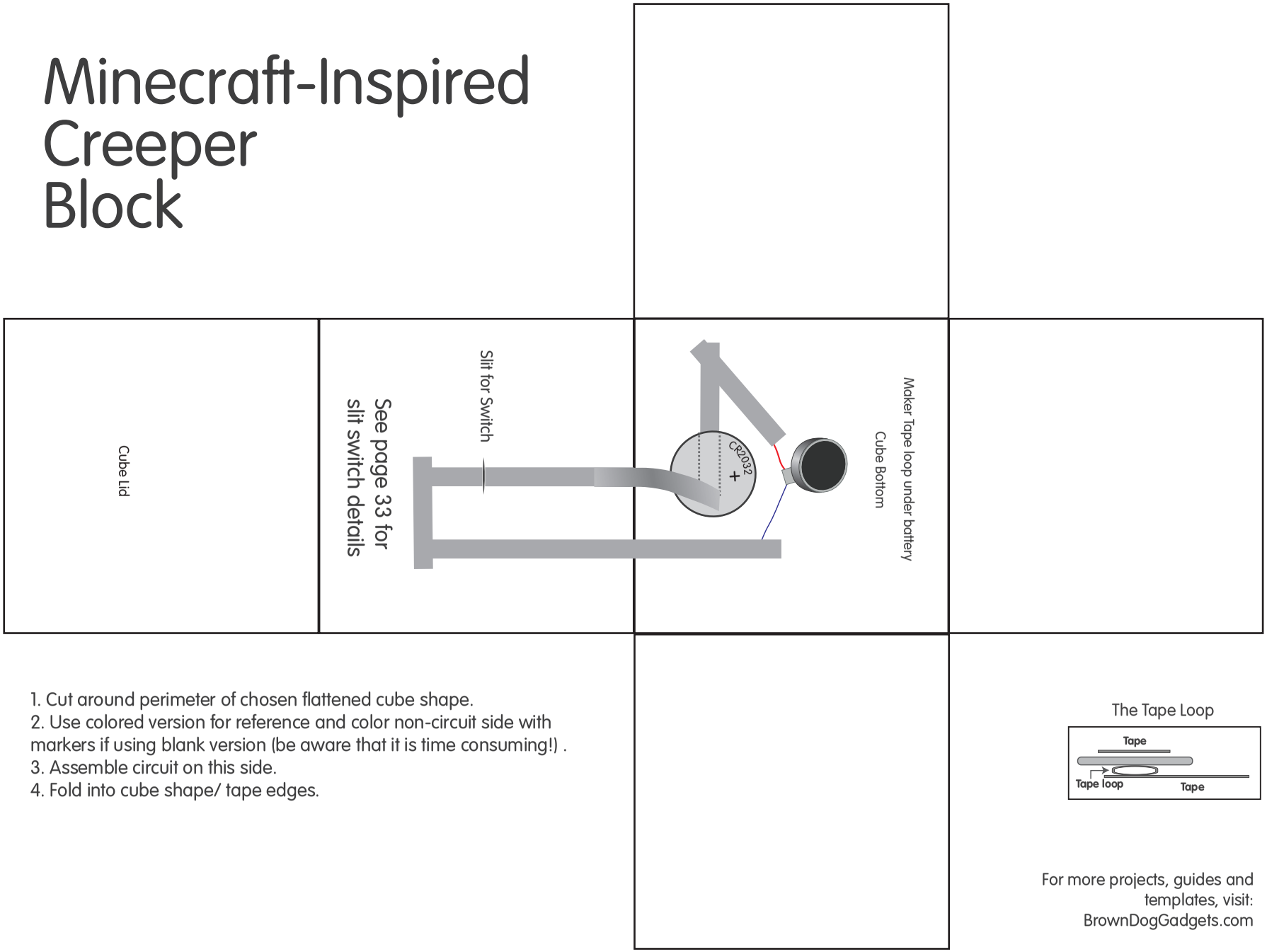
Page 33
Time Required: 2-5 minutes
Requires: Maker Tape

Check out our online resources for these projects!

Just scan this QR Code or visit:

https://browndoggadgets.dozuki.com/Guide/Minecraft-Inspired+Paper+Circuits+(full+series)/448

Minecraft-Inspired Creeper Block



1. Cut around perimeter of chosen flattened cube shape.
2. Use colored version for reference and color non-circuit side with markers if using blank version (be aware that it is time consuming!) .
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop

For more projects, guides and templates, visit:
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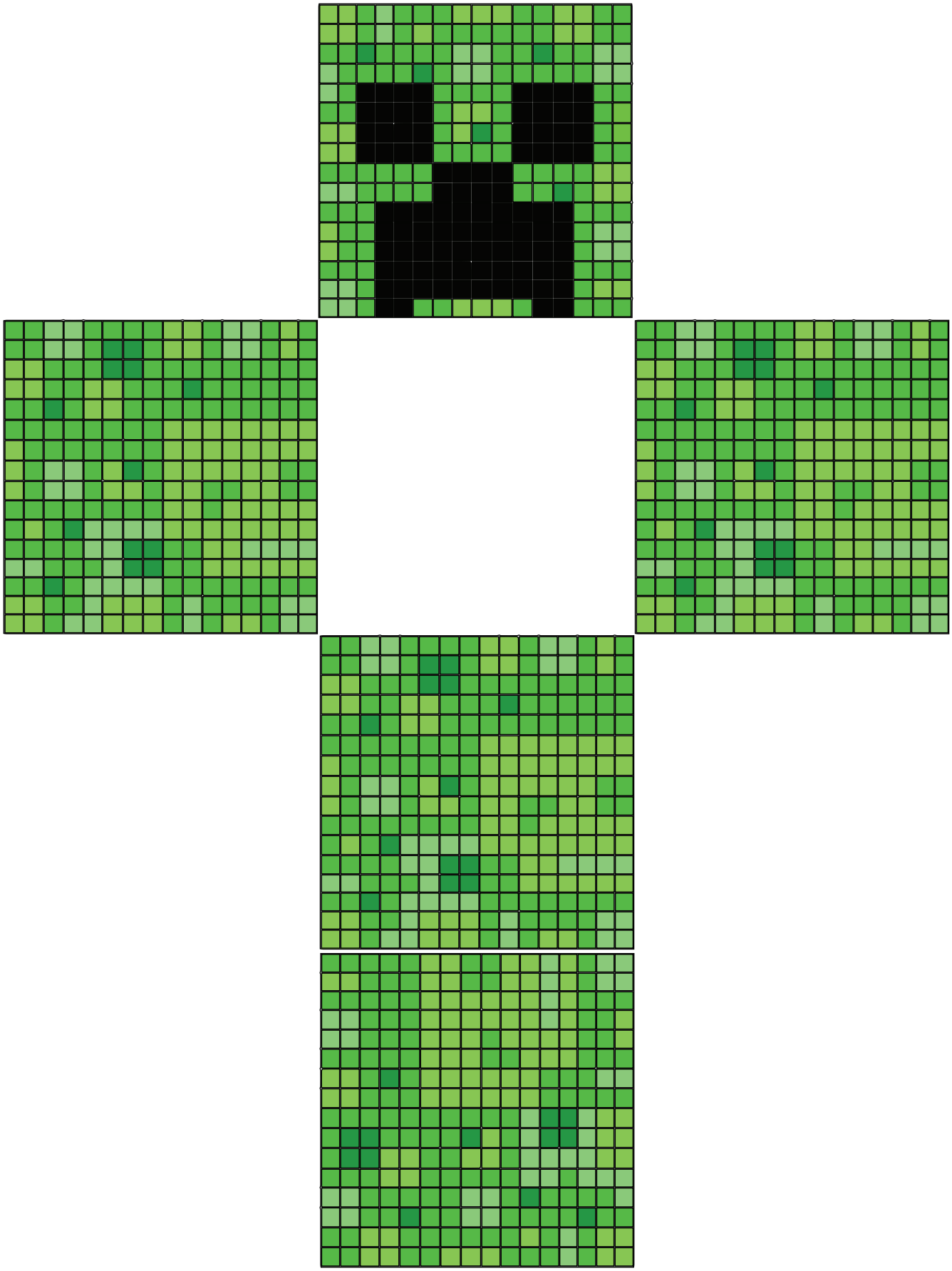
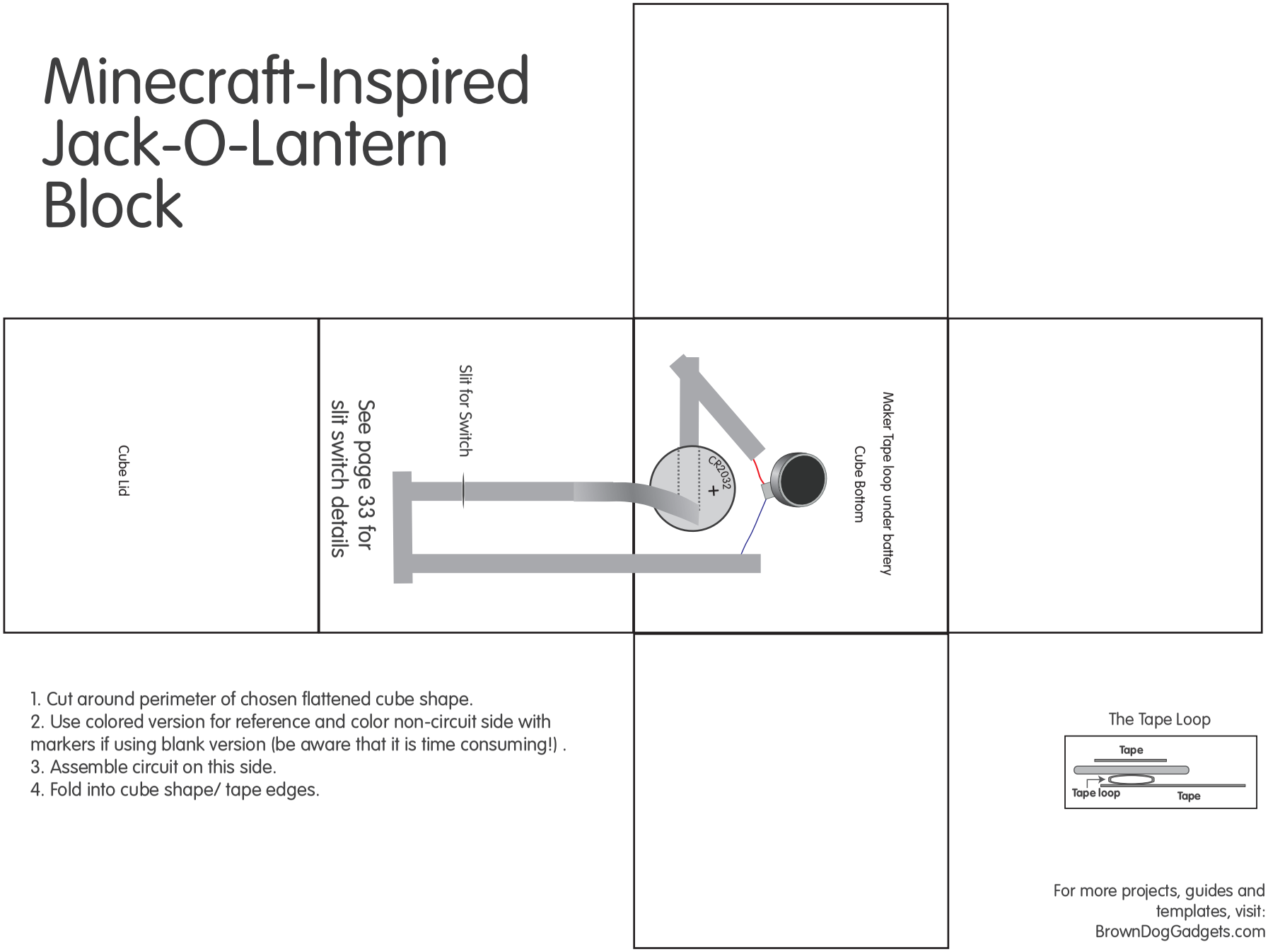


Minecraft-Inspired Jack-O-Lantern Block



1. Cut around perimeter of chosen flattened cube shape.
2. Use colored version for reference and color non-circuit side with markers if using blank version (be aware that it is time consuming!) .
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop

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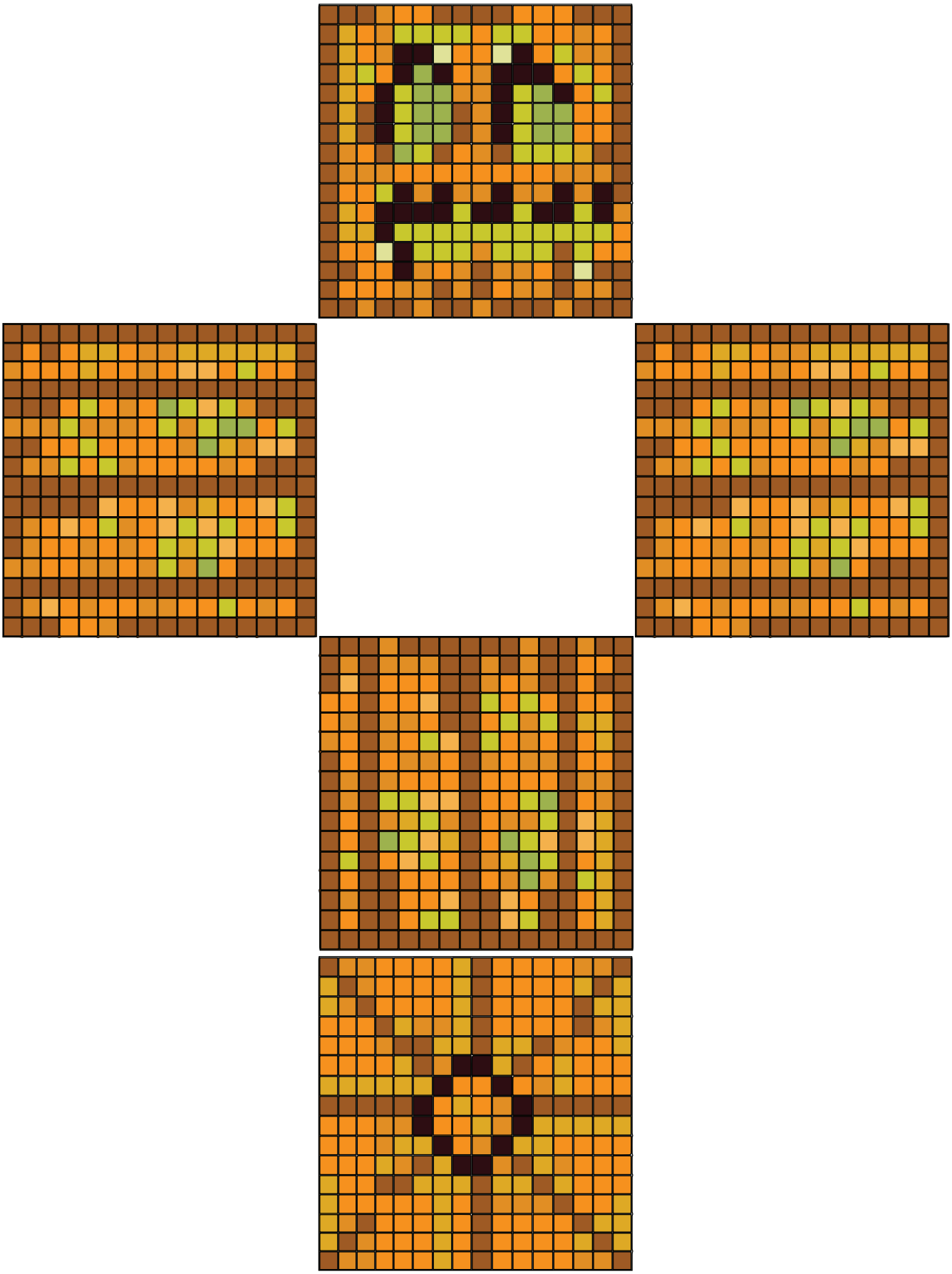
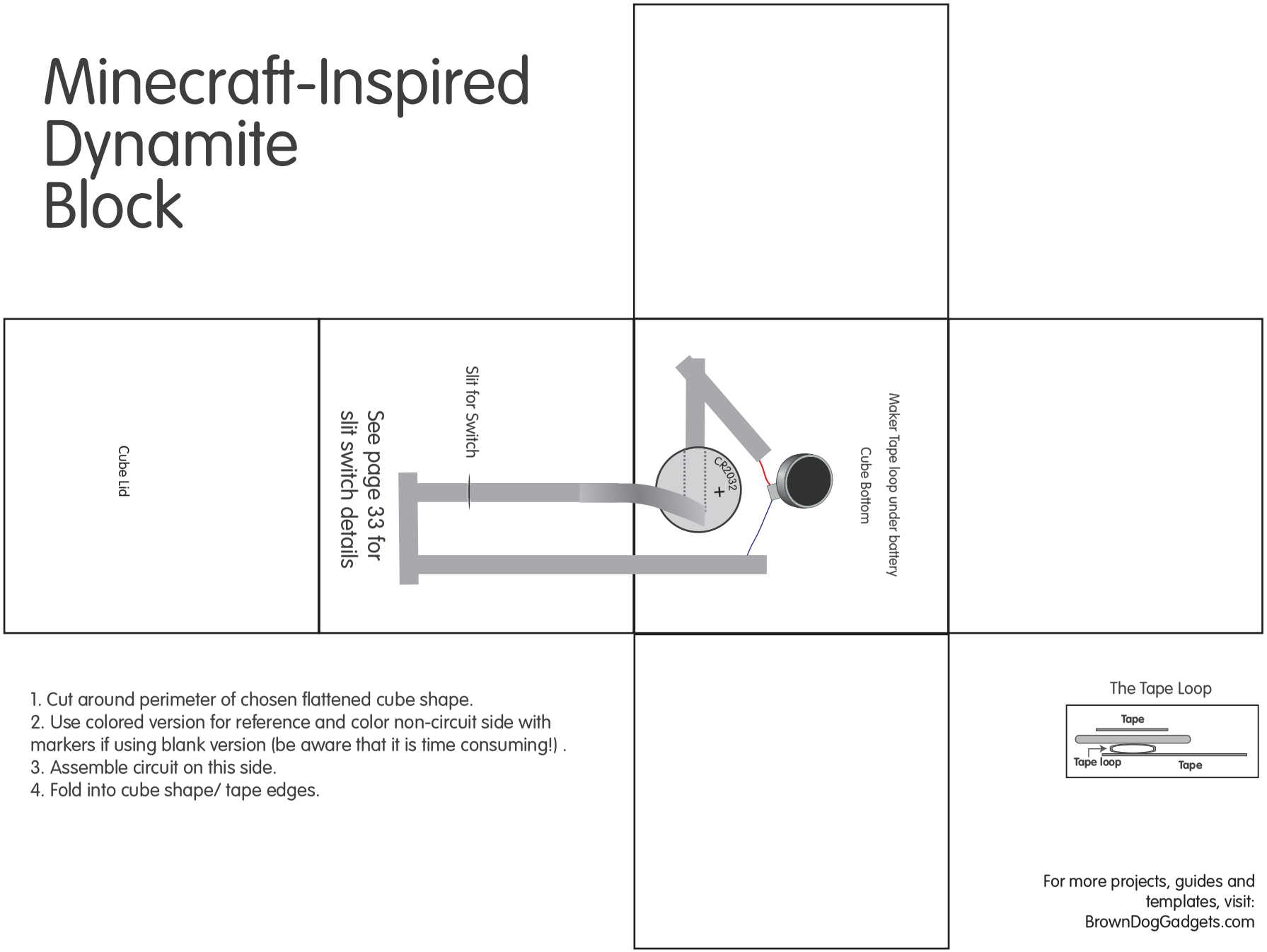


Minecraft-Inspired Dynamite Block



1. Cut around perimeter of chosen flattened cube shape.
2. Use colored version for reference and color non-circuit side with markers if using blank version (be aware that it is time consuming!) .
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop

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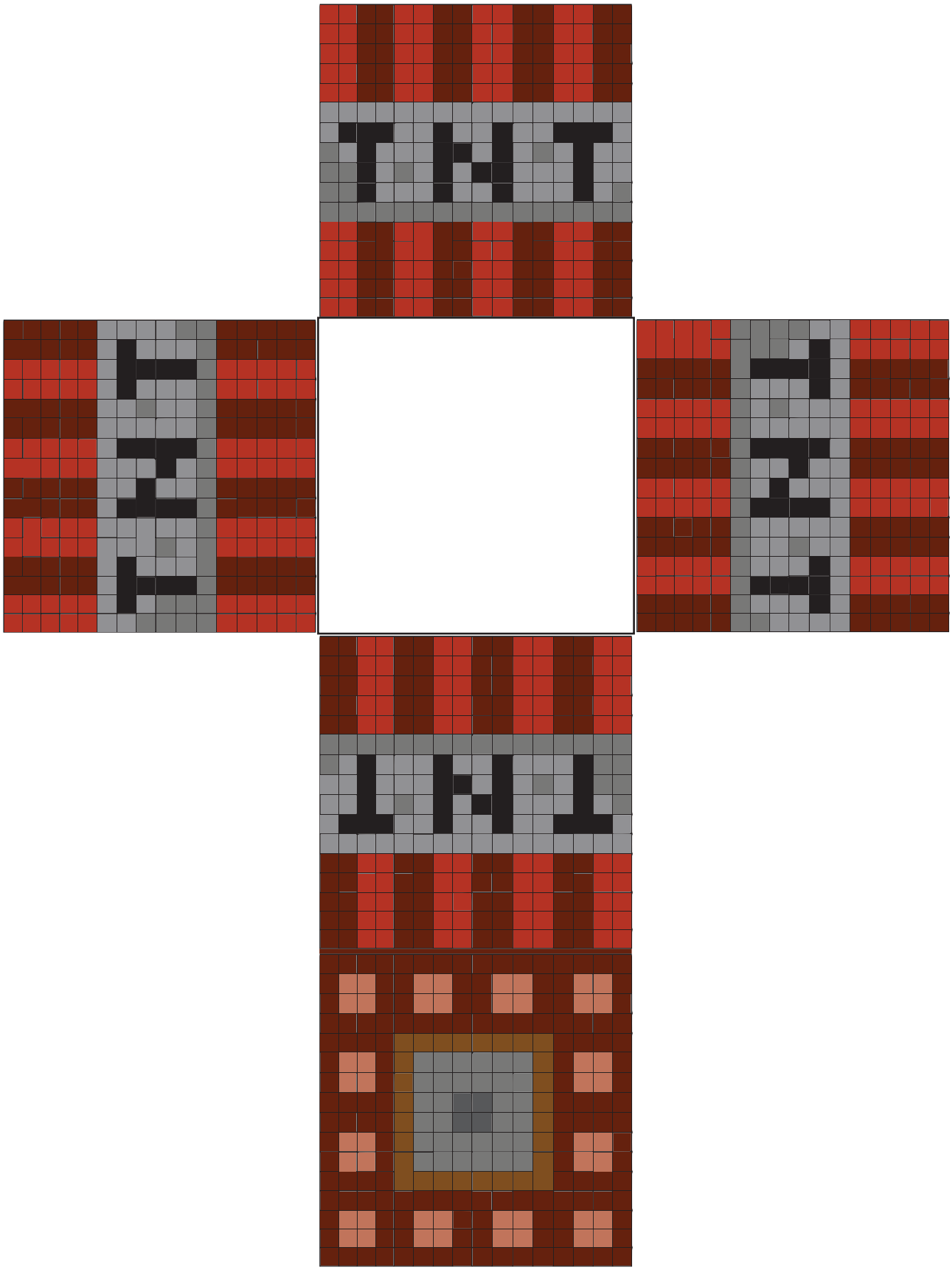
For more free templates and fun project ideas visit us at BrownDogGadgets.com


TNT
TNT
TNT
TNT

Minecraft Inspired Lantern

(Color)

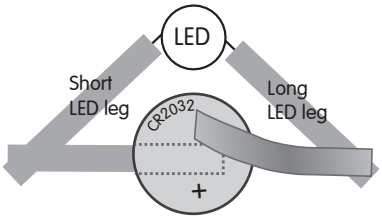
1. Cut around perimeter of your choice of flattened cube shapes.
2. Cut out inner squares on dotted lines leaving 4 "frames".
3. Assemble circuit.
4. Cut your choice of lantern panels.
5. Apply glue to inside of the 4 frames; press colored panels into place.
6. Fold into cube shape/ tape edges.
7. Assemble and add decorative lantern top.

a

b

Cube Bottom

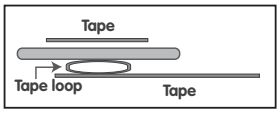
Maker Tape loop under battery



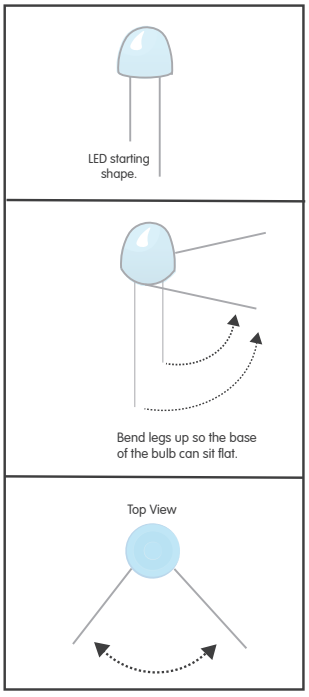
d

c

The Tape Loop



Preparing the LED legs



Cube Lid

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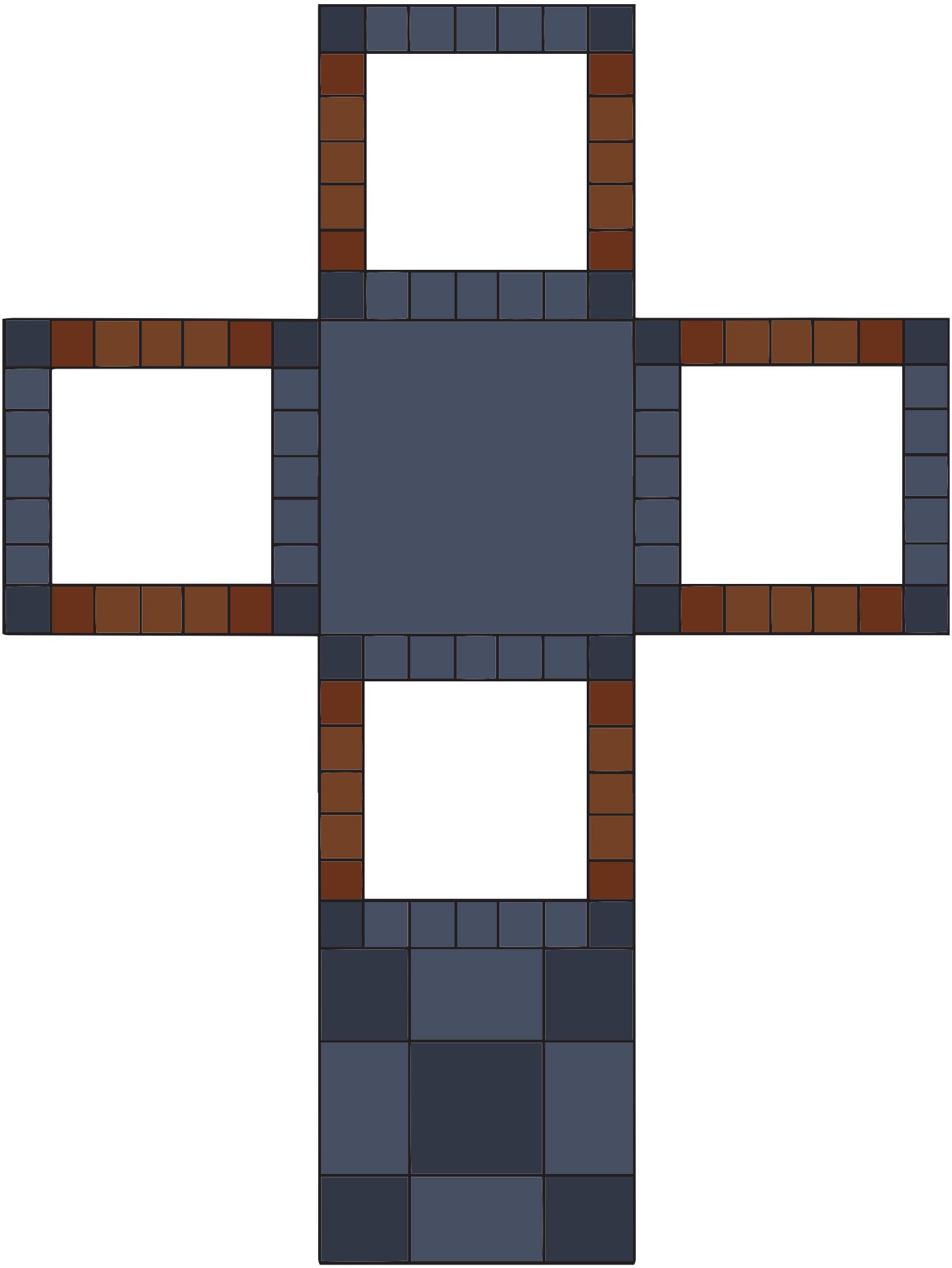
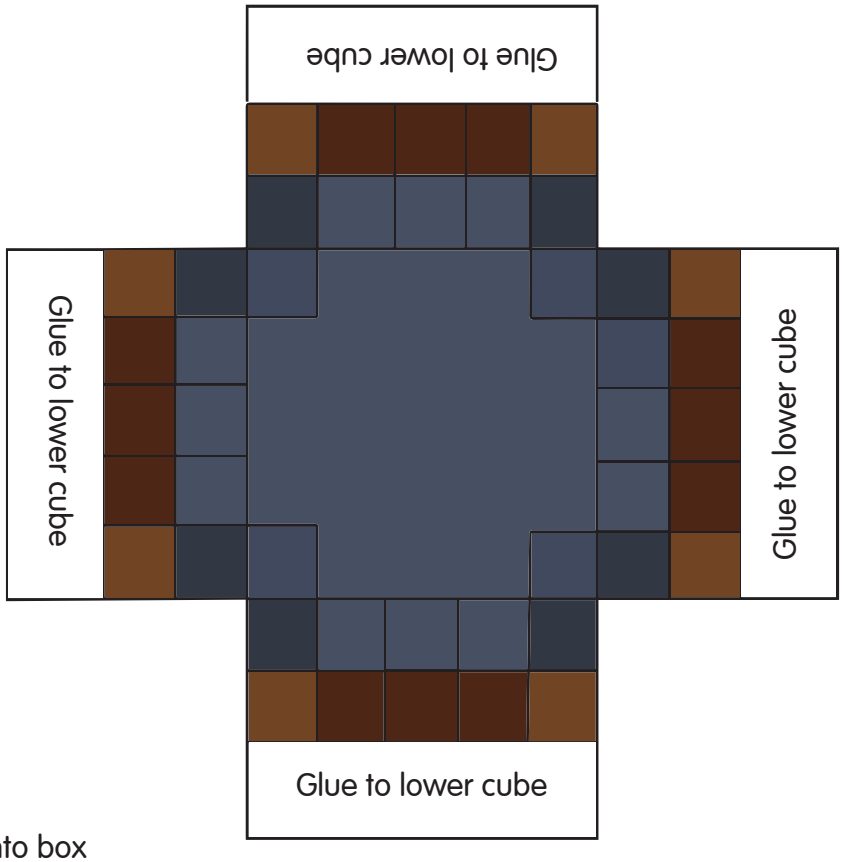
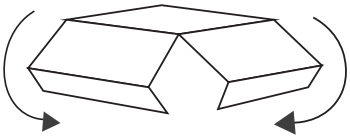
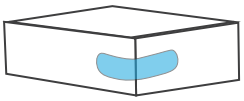


Minecraft Inspired Lantern Top
(Color)

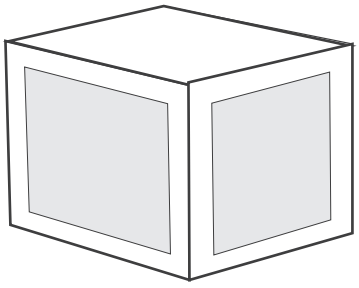




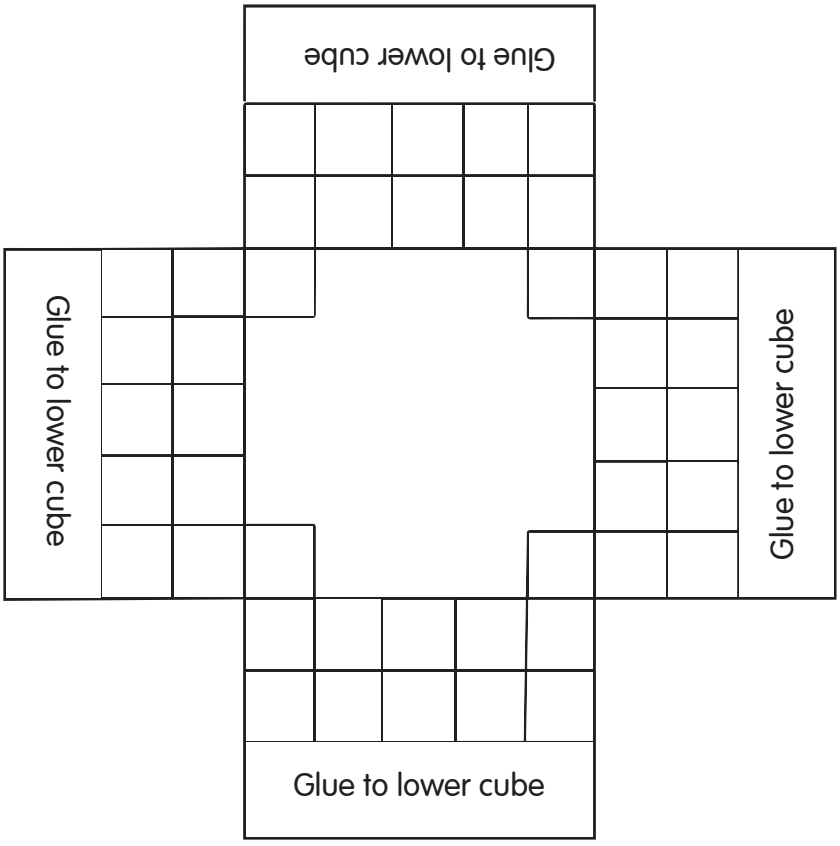
Fold into box shape

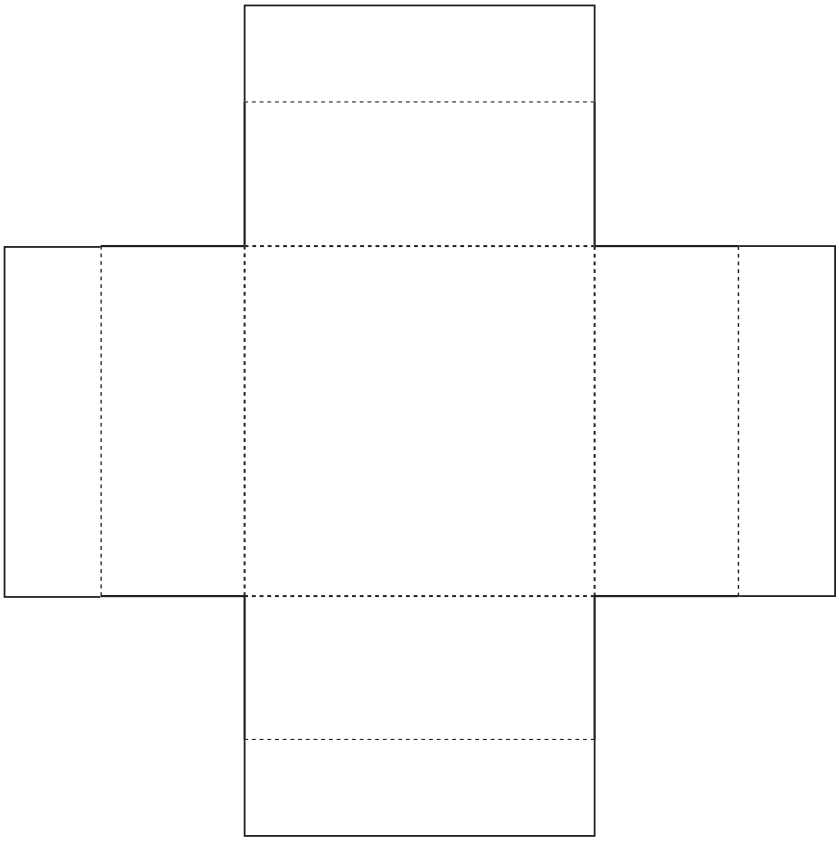


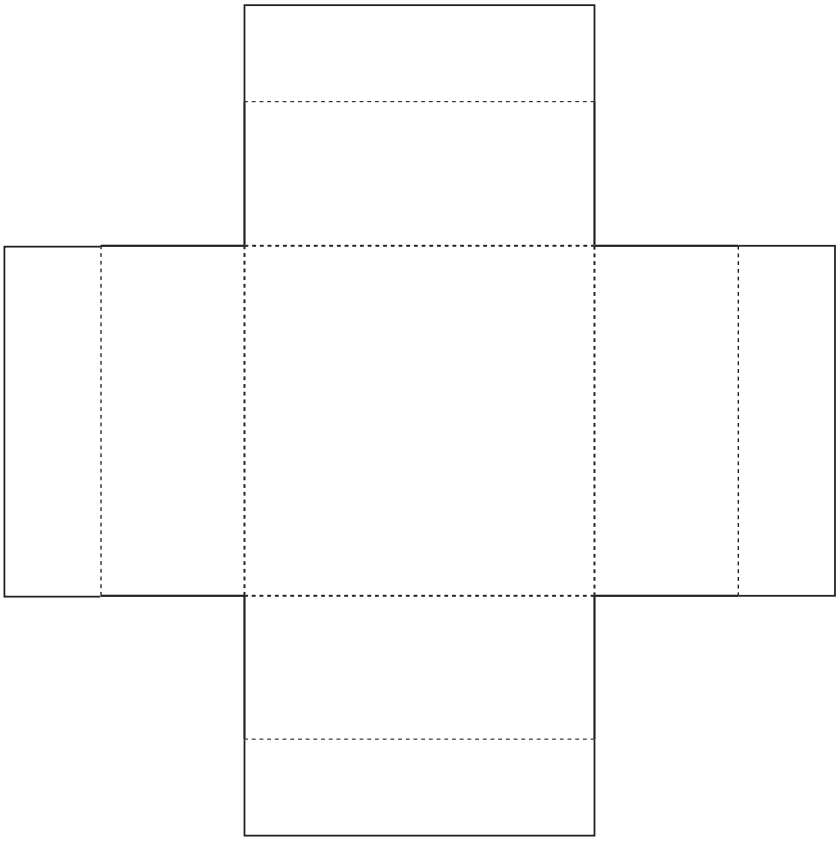
Tape sides.



Hot glue to top of lantern for decoration to complete the look.

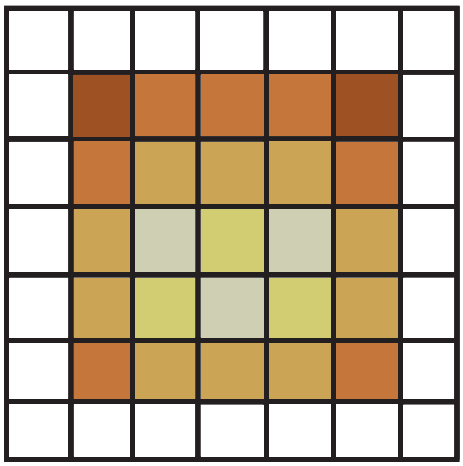


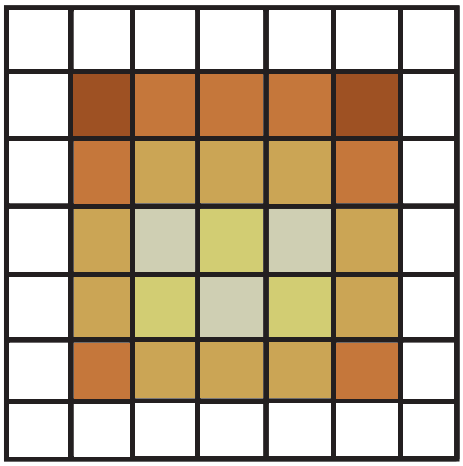


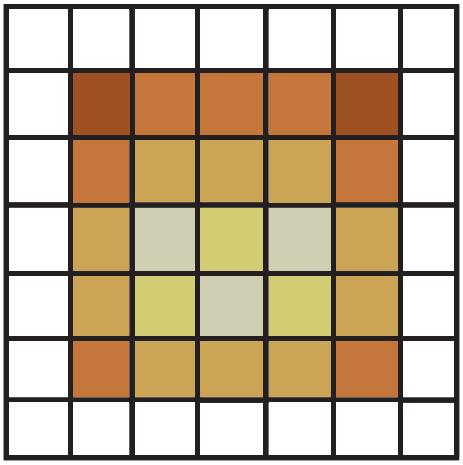


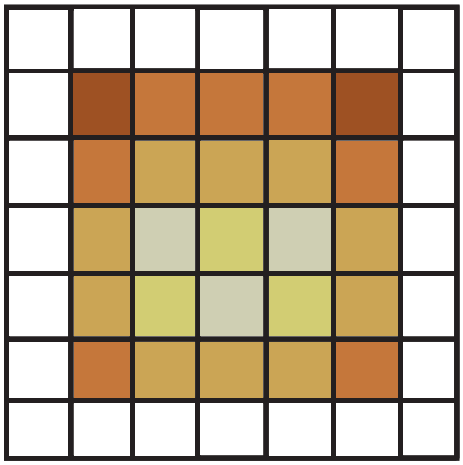
Minecraft Inspired Lantern Panels

(Color)









Minecraft Inspired Lantern

(Black & White)

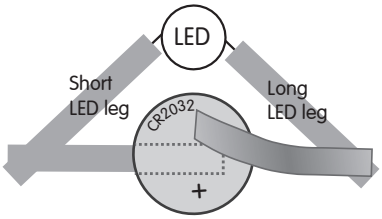
1. Cut around perimeter of your choice of flattened cube shapes.
2. Cut out inner squares on dotted lines leaving 4 "frames".
3. Assemble circuit.
4. Cut your choice of lantern panels.
5. Apply glue to inside of the 4 frames; press colored panels into place.
6. Fold into cube shape/ tape edges.
7. Assemble and add decorative lantern top.

a

b

Cube Bottom

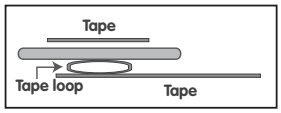
Maker Tape loop under battery



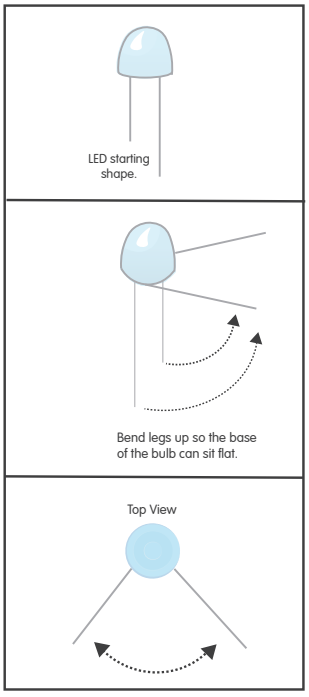
d

c

The Tape Loop



Preparing the LED legs



Cube Lid

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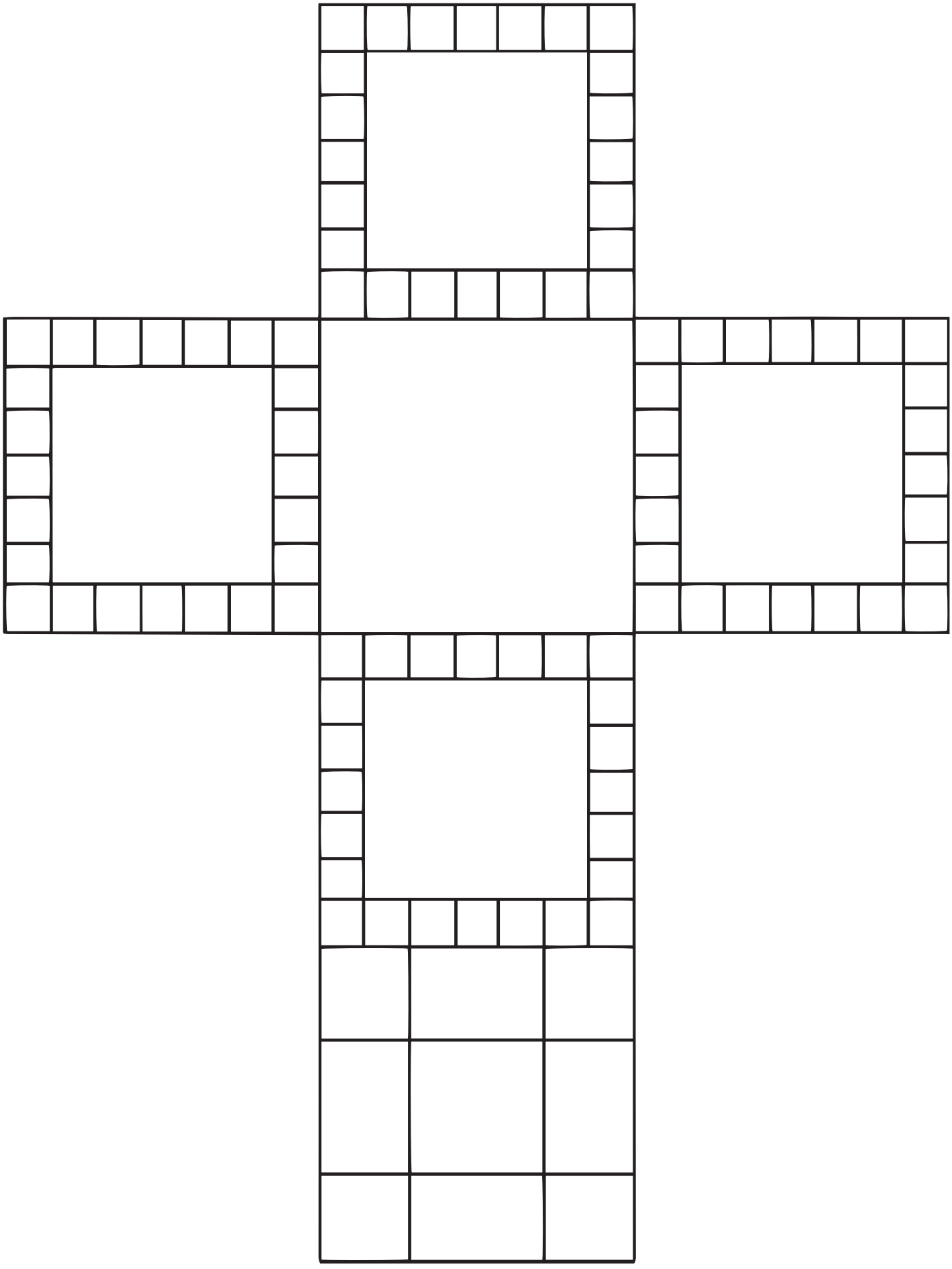
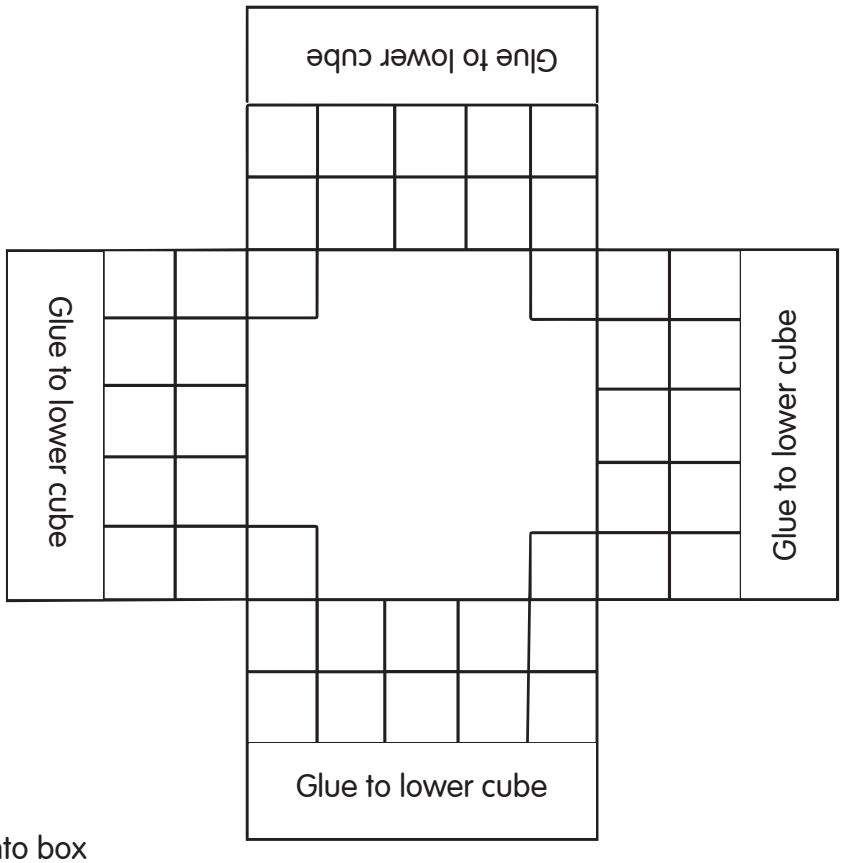
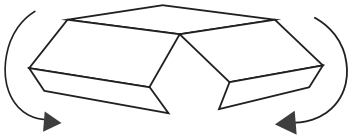


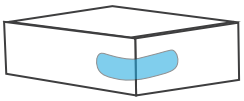
Minecraft Inspired Lantern Top

(Black & White)

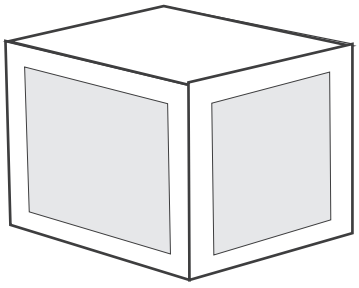




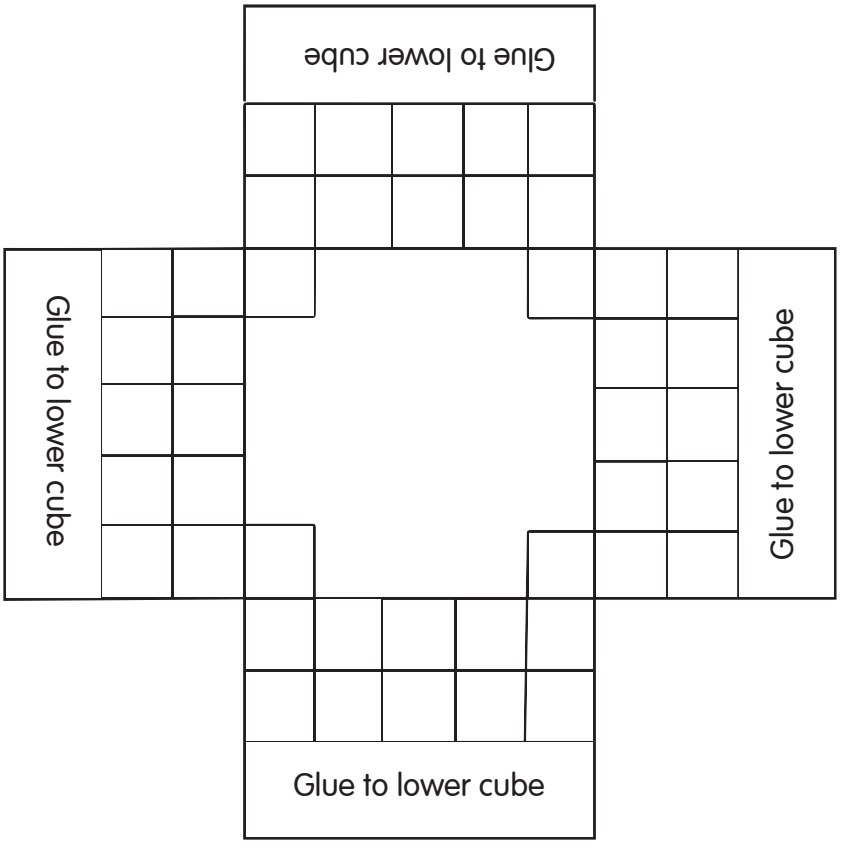
Fold into box shape

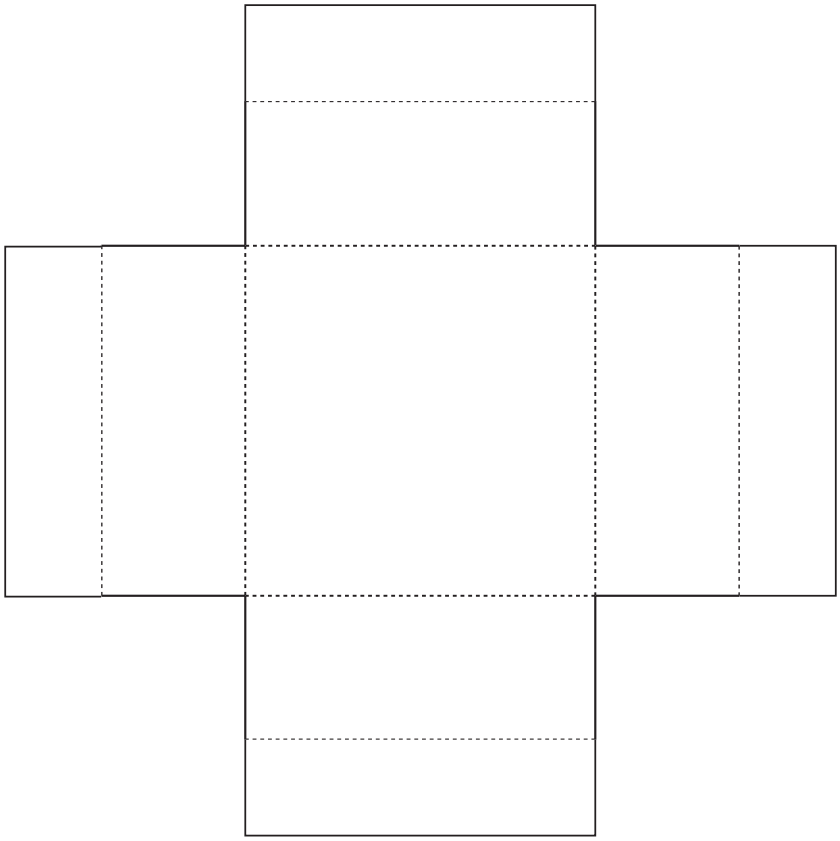


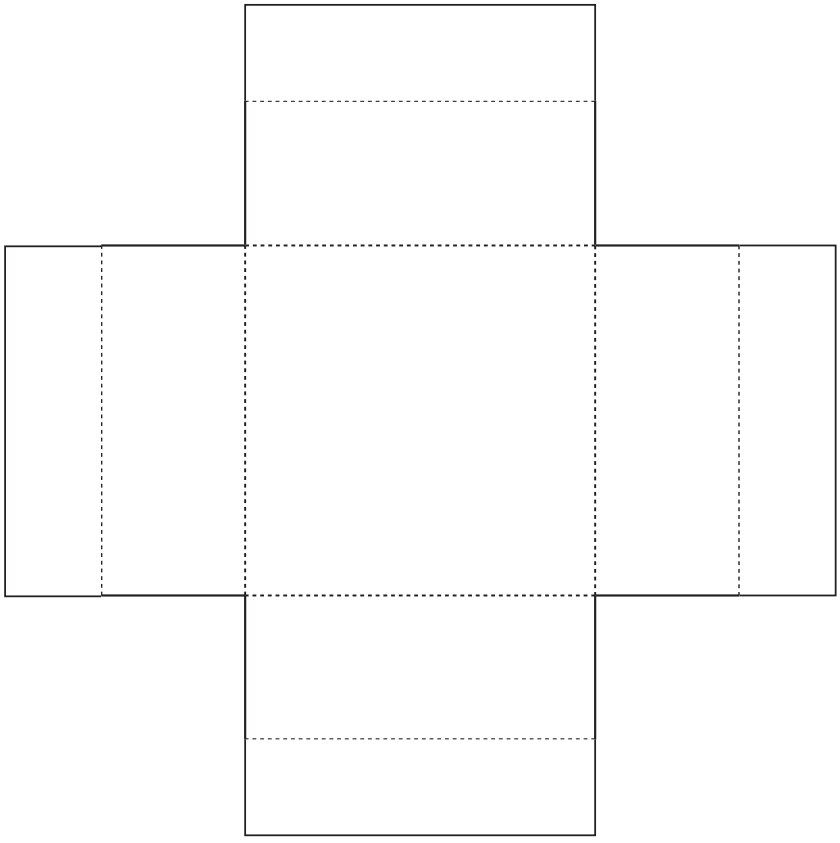
Tape sides.



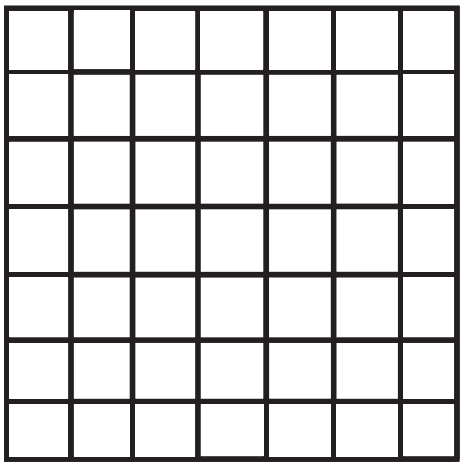
Hot glue to top of lantern for decoration to complete the look.

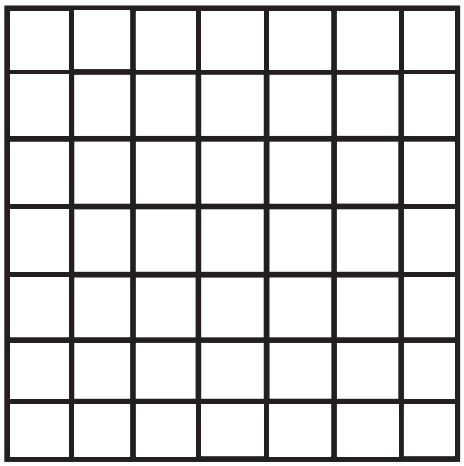


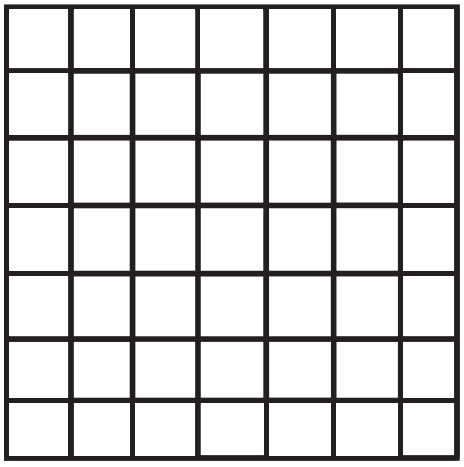


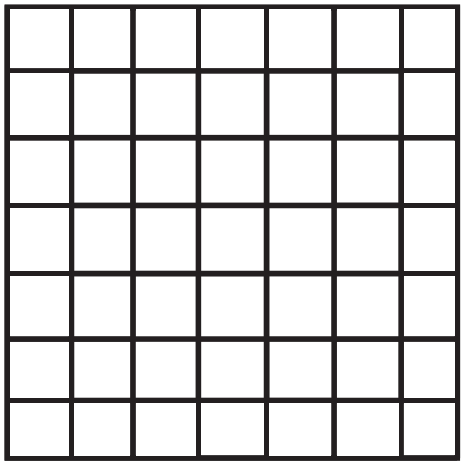


Minecraft Inspired Lantern Panels
(Black & White)





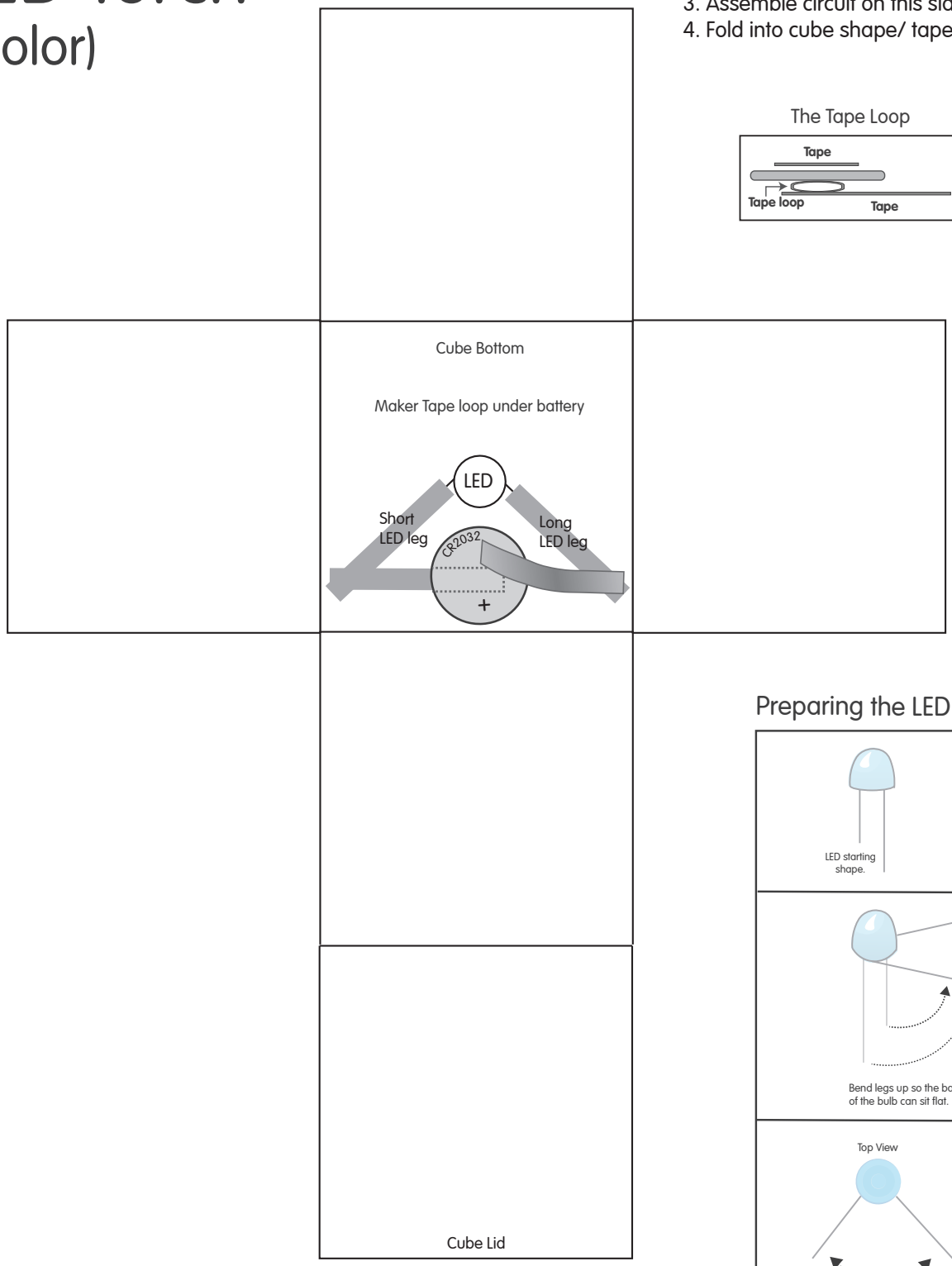




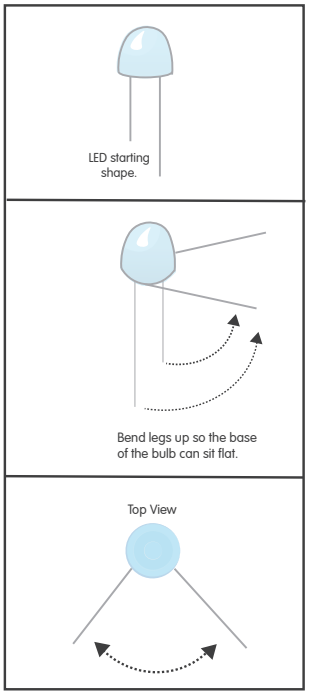
Minecraft-Inspired LED Torch
(Color)

1. Cut around perimeter of flattened cube shape.
2. Color non-circuit side with markers.
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop



Preparing the LED legs



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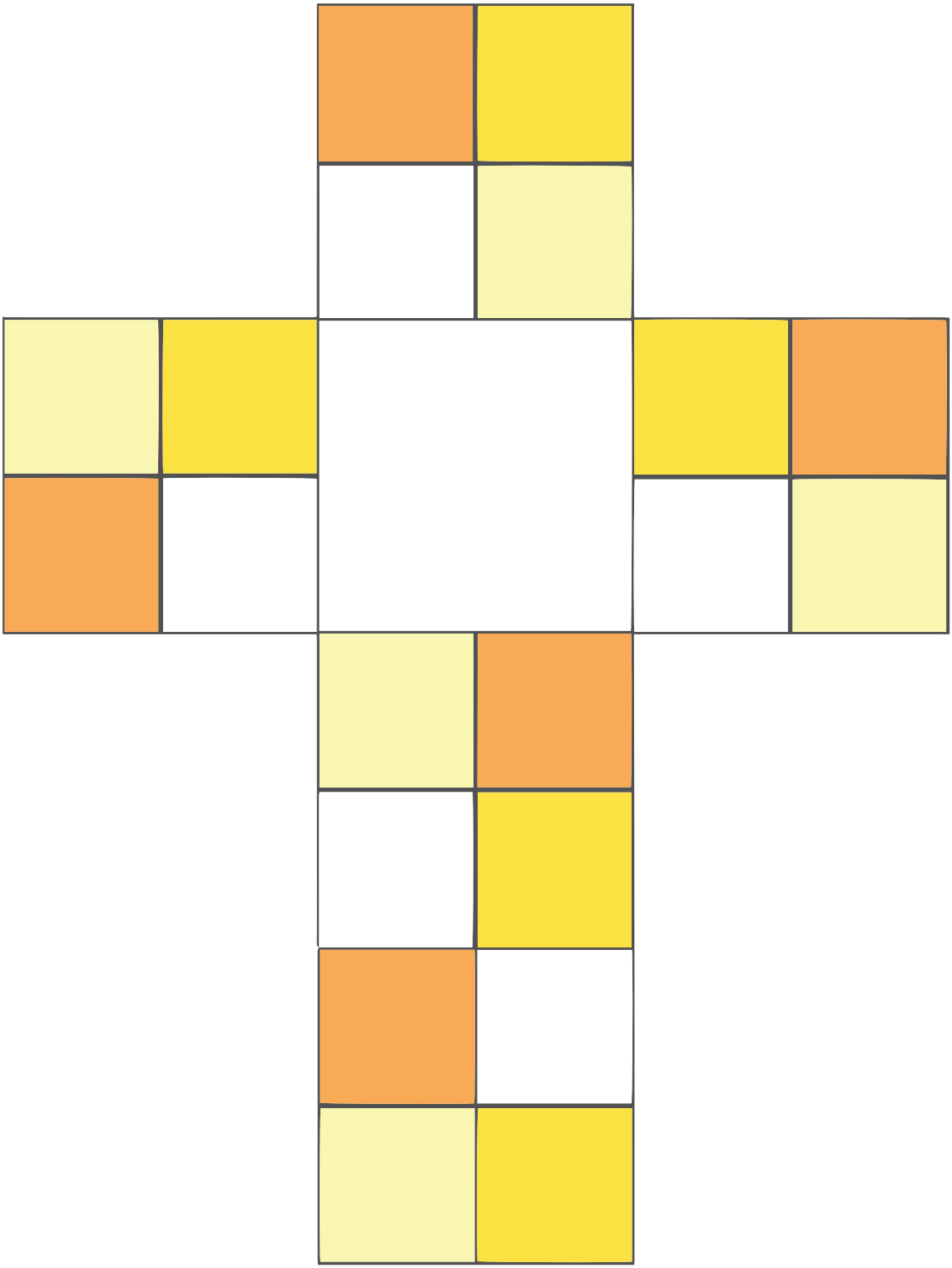
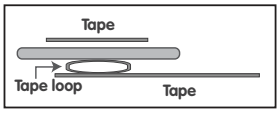
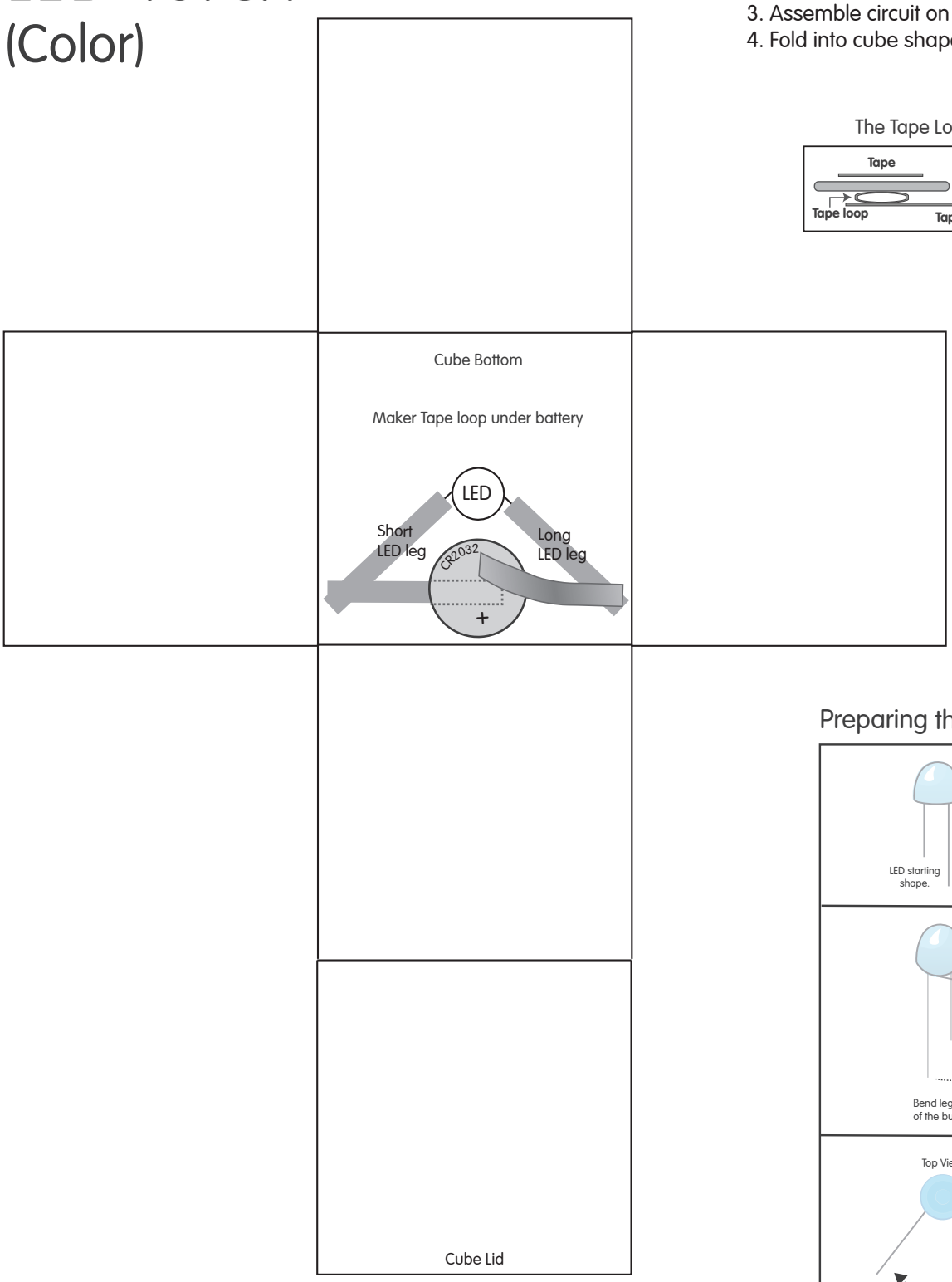


Minecraft-Inspired LED Torch
(Color)

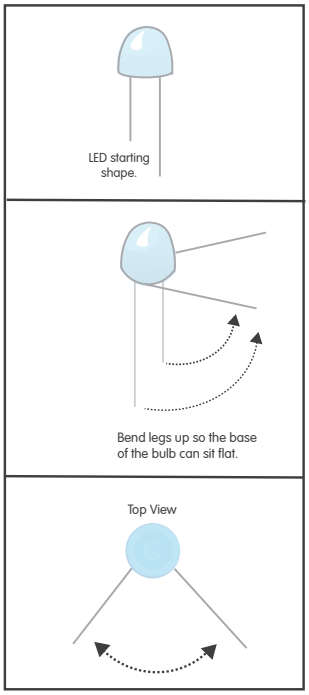
1. Cut around perimeter of flattened cube shape.
2. Color non-circuit side with markers.
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop





Preparing the LED legs



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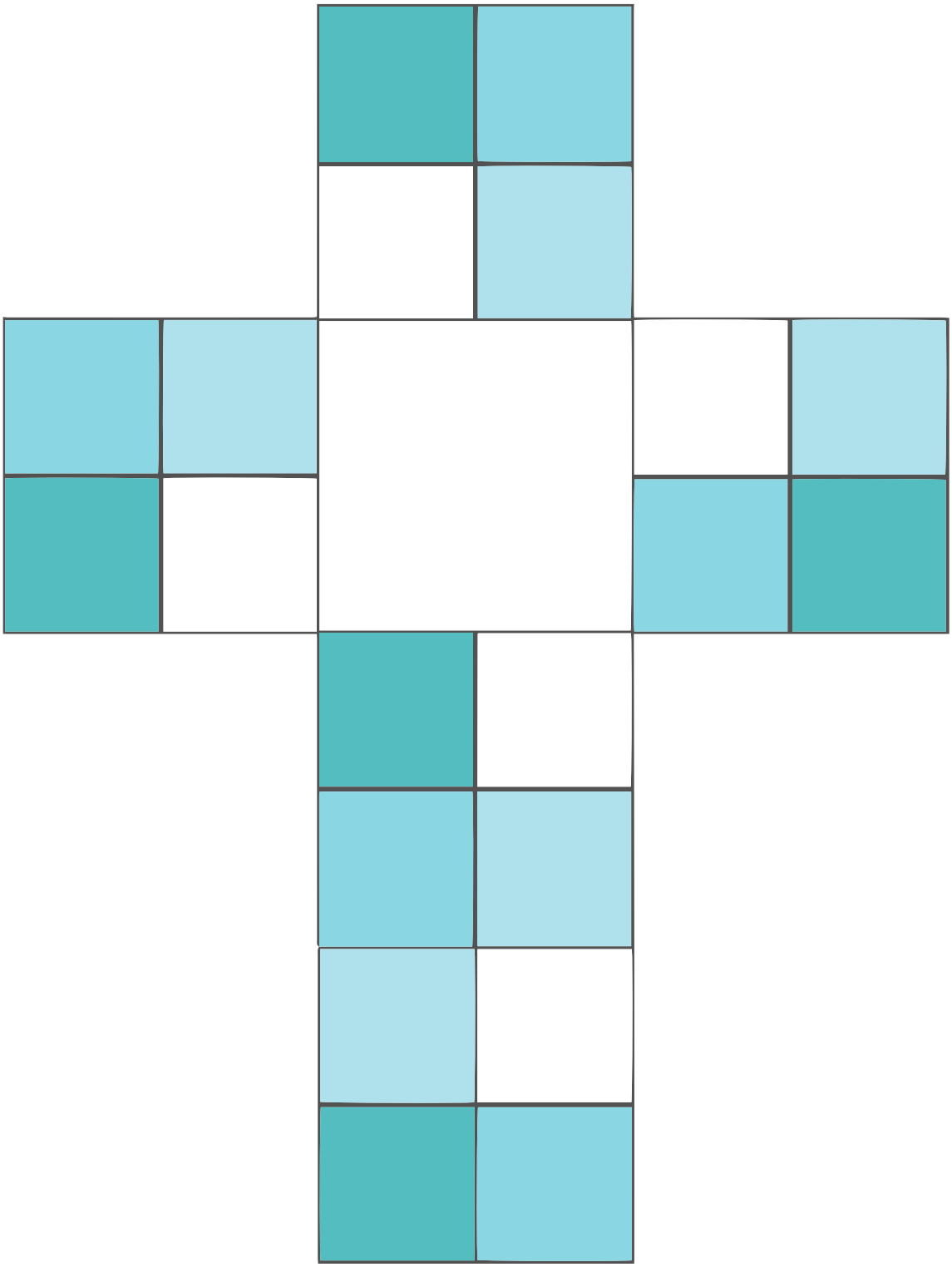
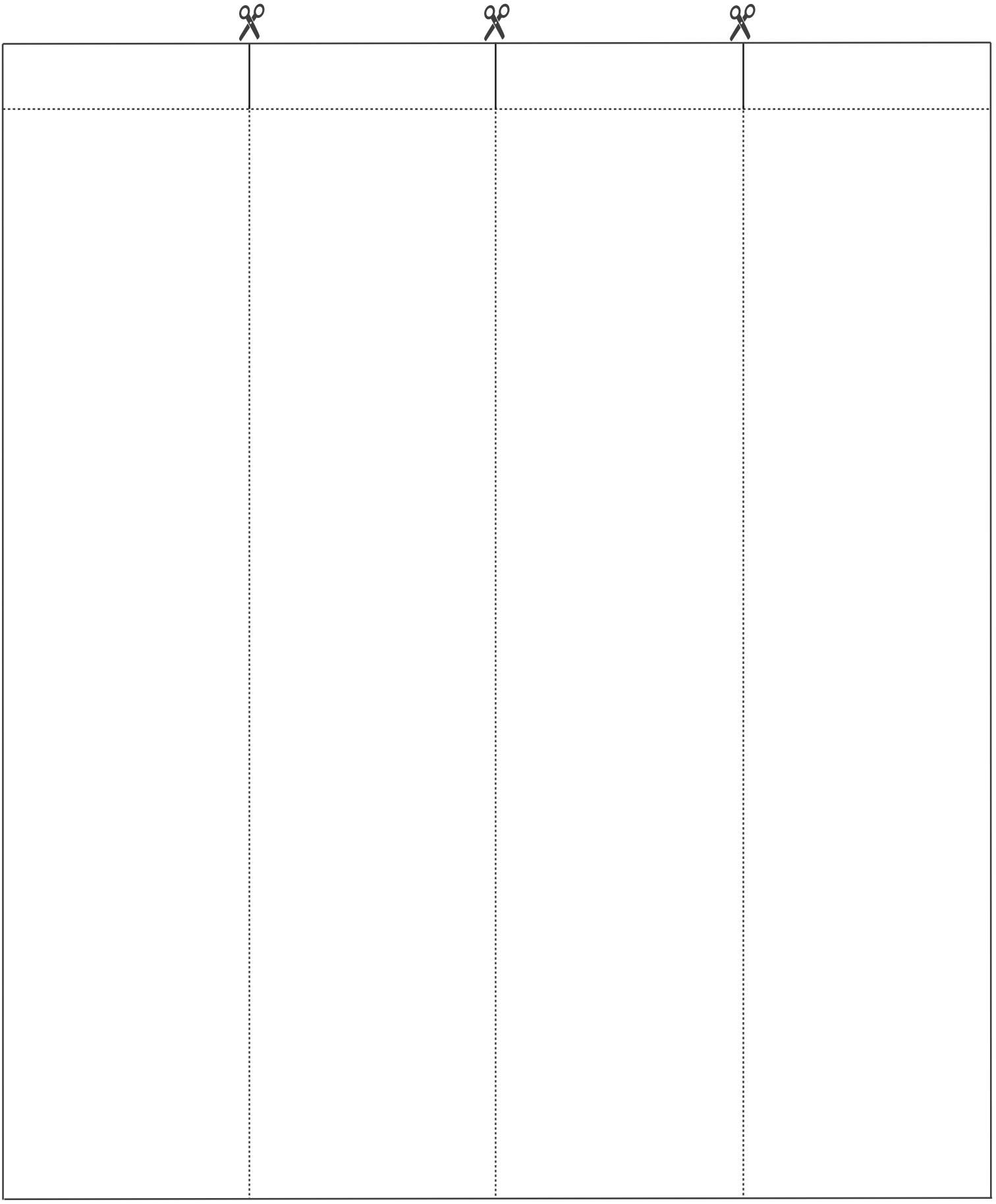
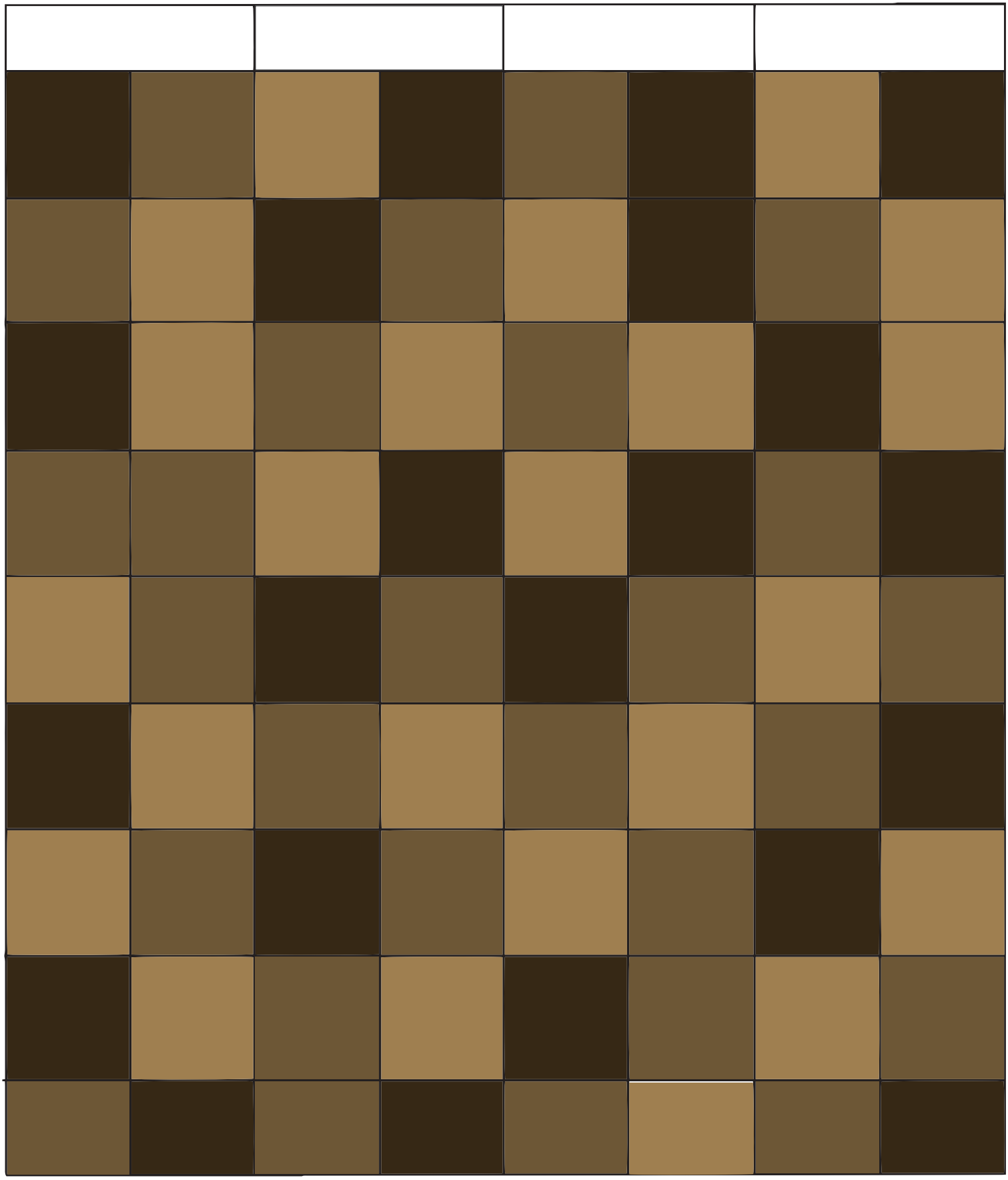


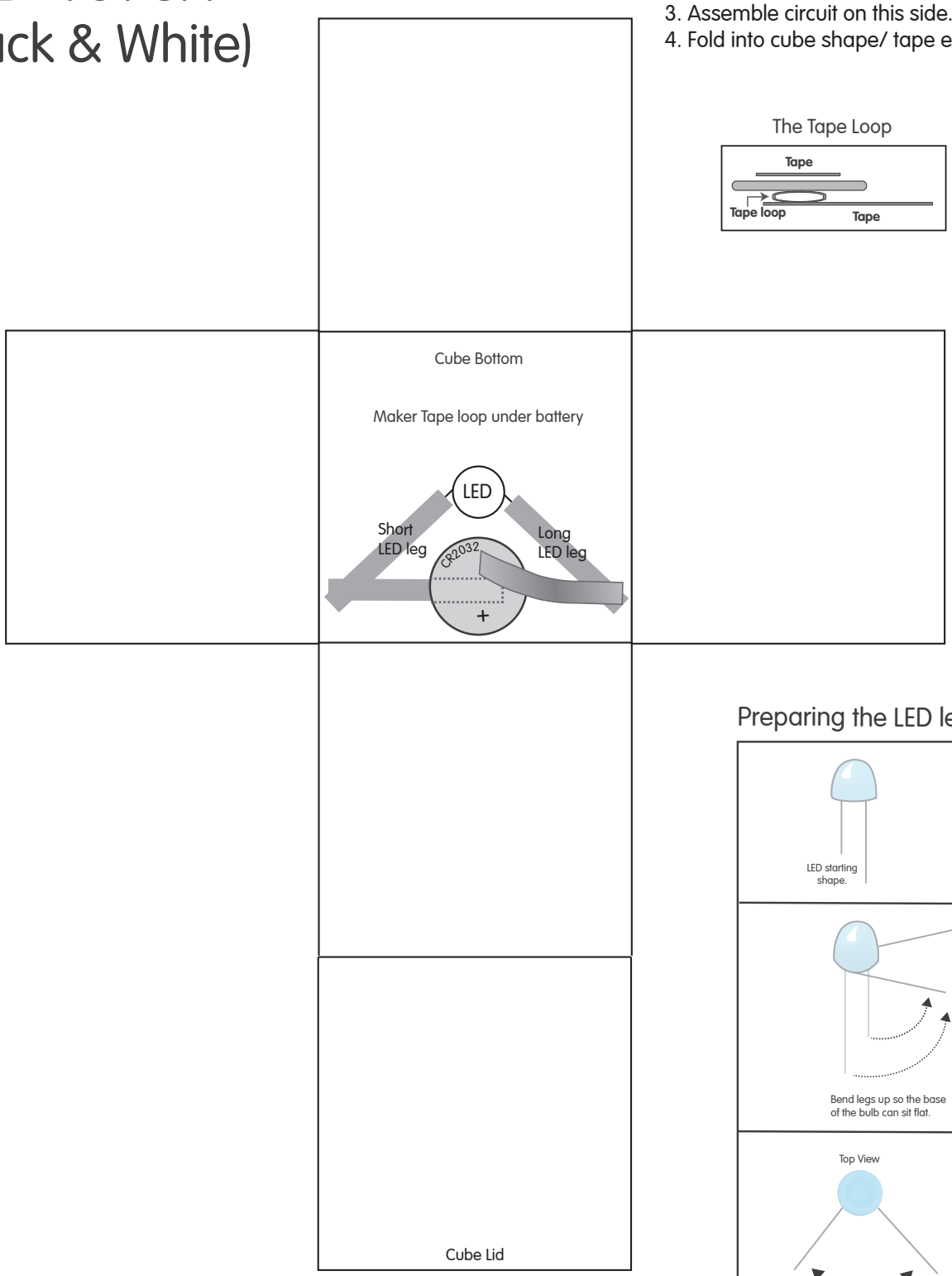




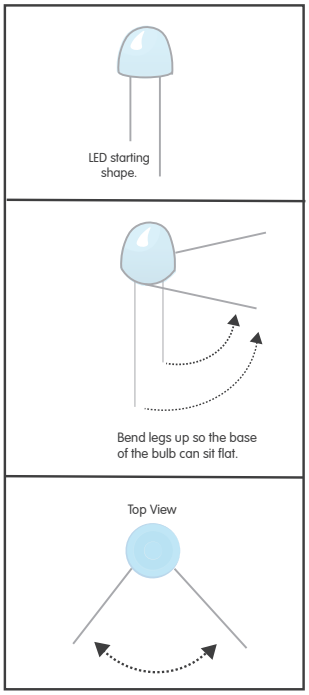
Minecraft-Inspired LED Torch
(Black & White)

1. Cut around perimeter of flattened cube shape.
2. Color non-circuit side with markers.
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop



Preparing the LED legs



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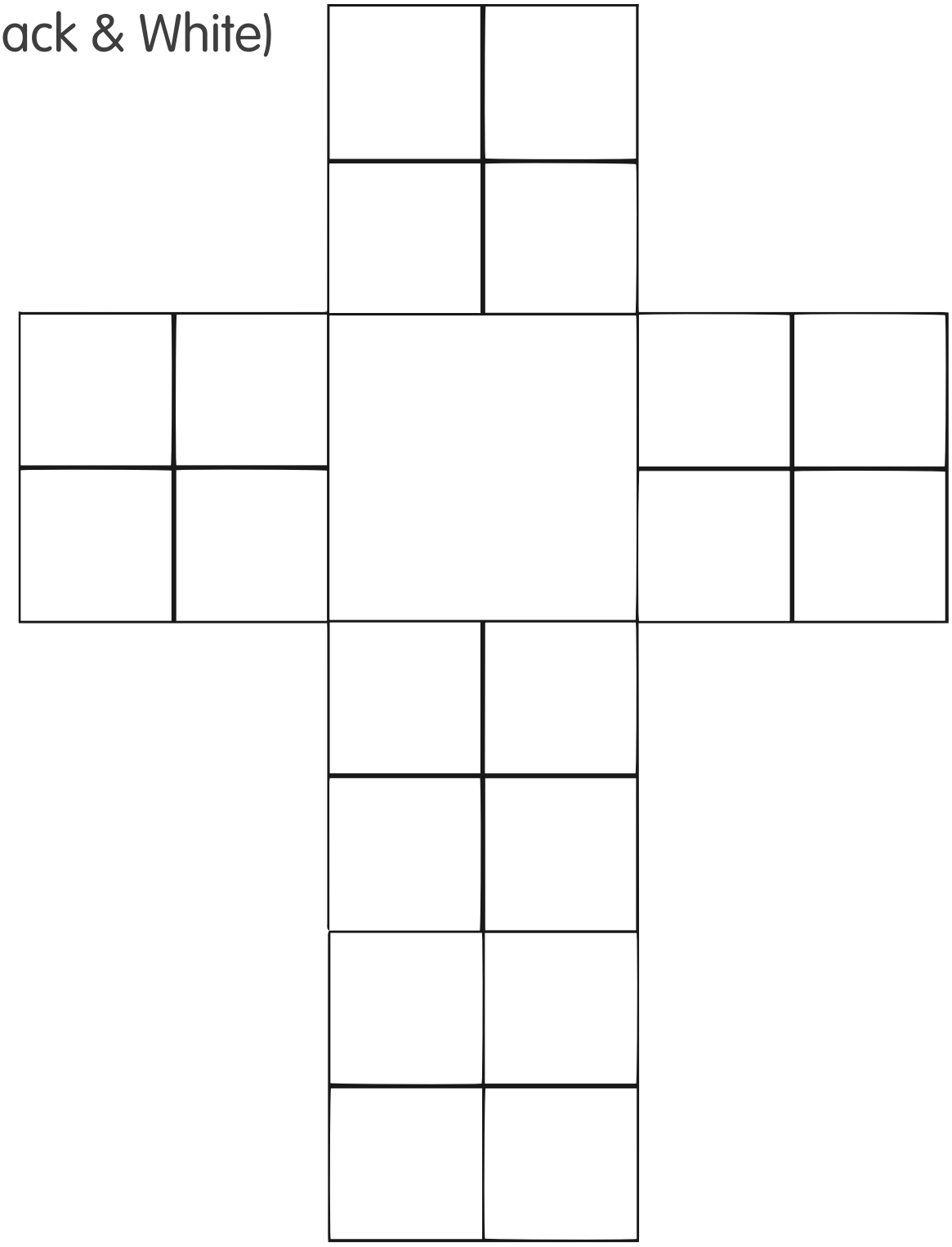
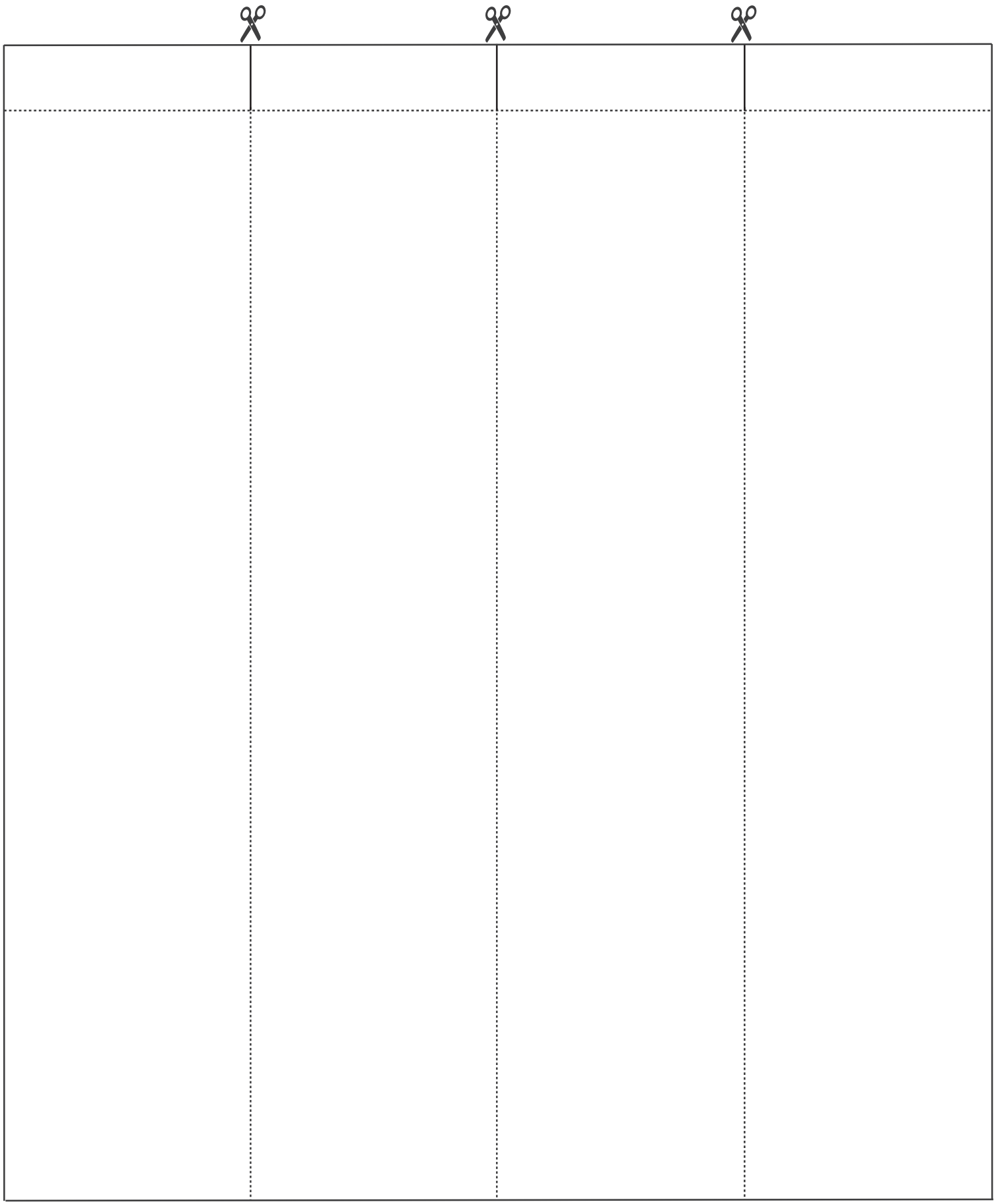
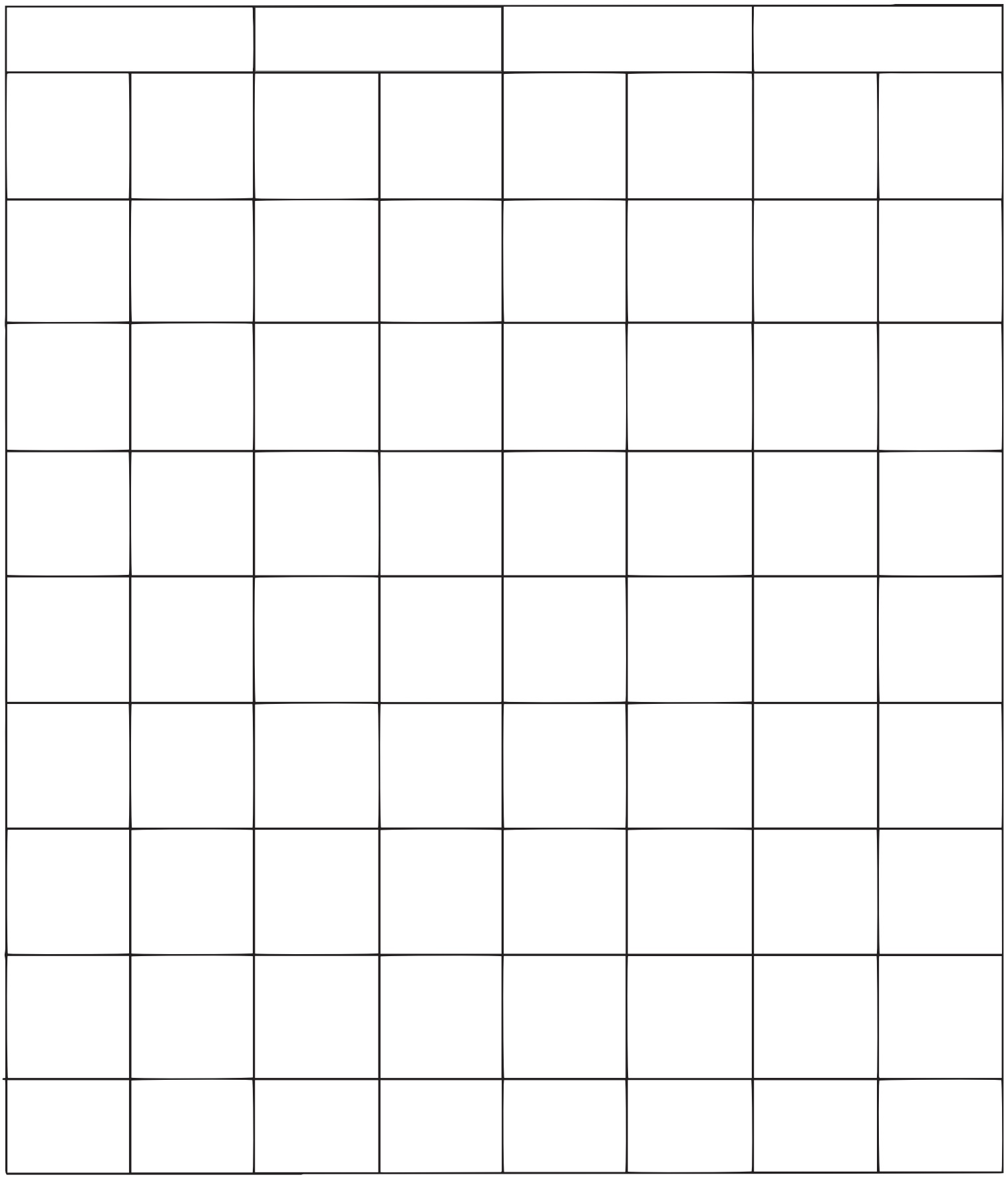
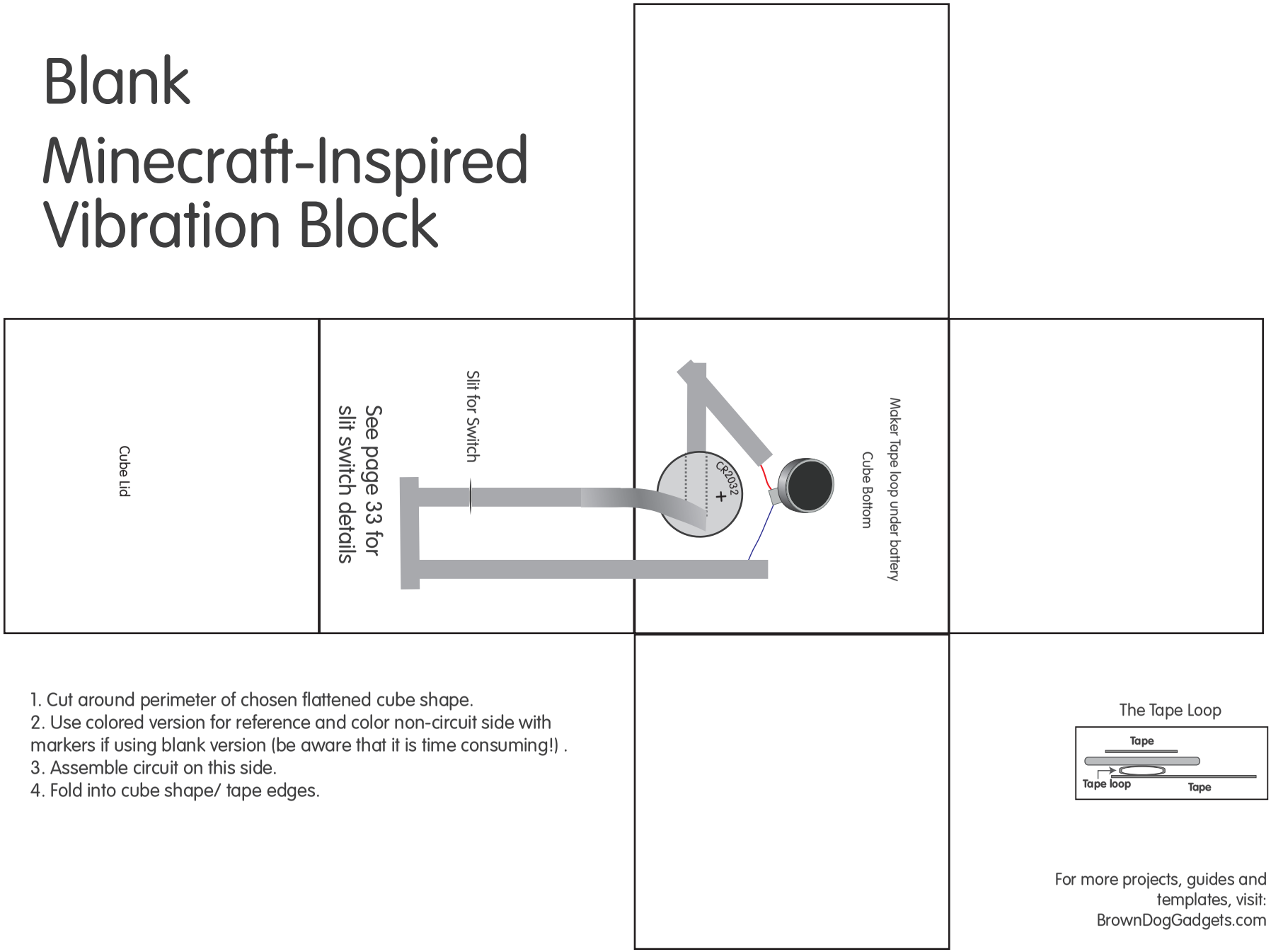
Minecraft-Inspired LED Torch
(Black & White)







Blank Minecraft-Inspired Vibration Block



1. Cut around perimeter of chosen flattened cube shape.
2. Use colored version for reference and color non-circuit side with markers if using blank version (be aware that it is time consuming!) .
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop

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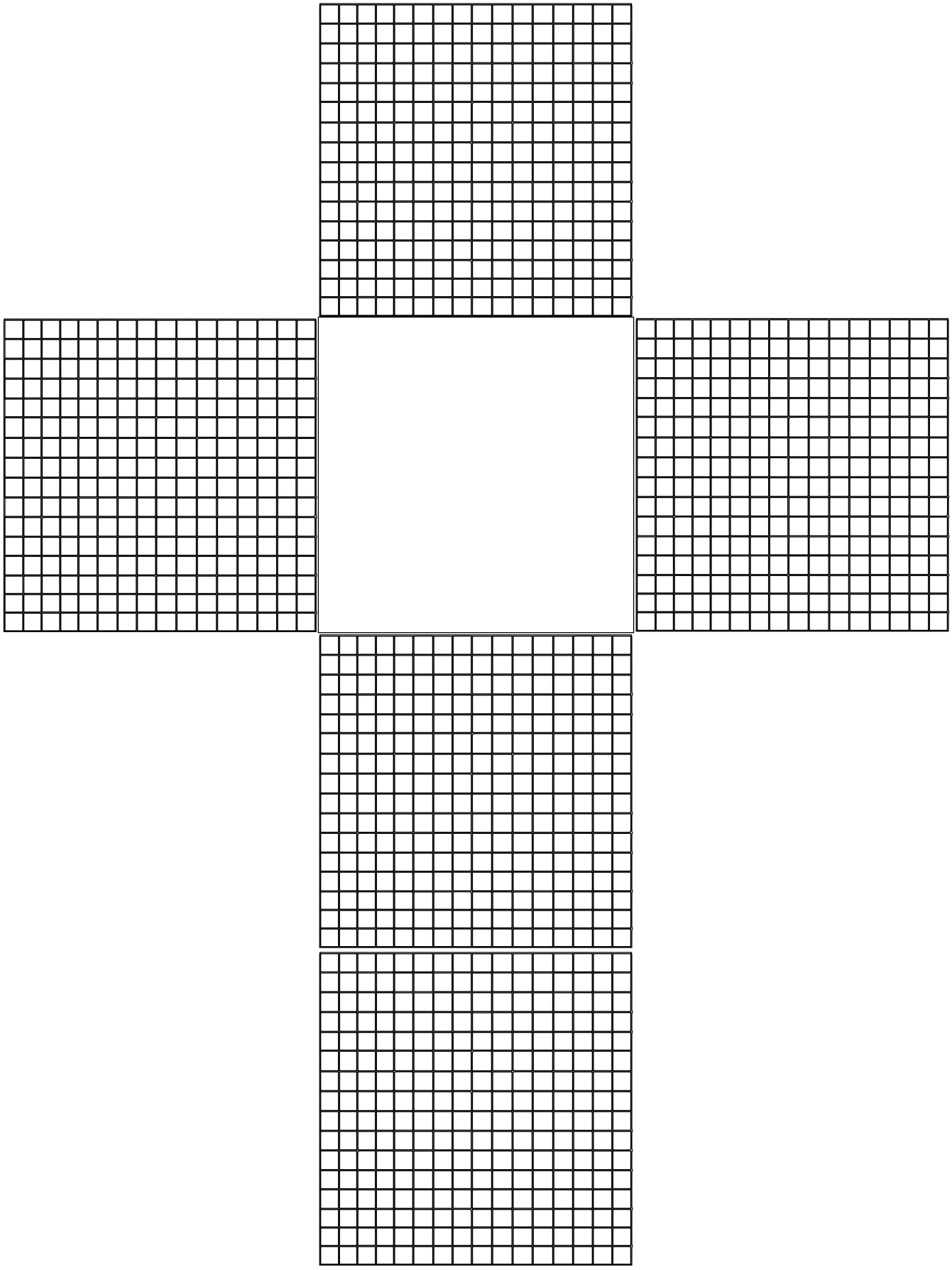
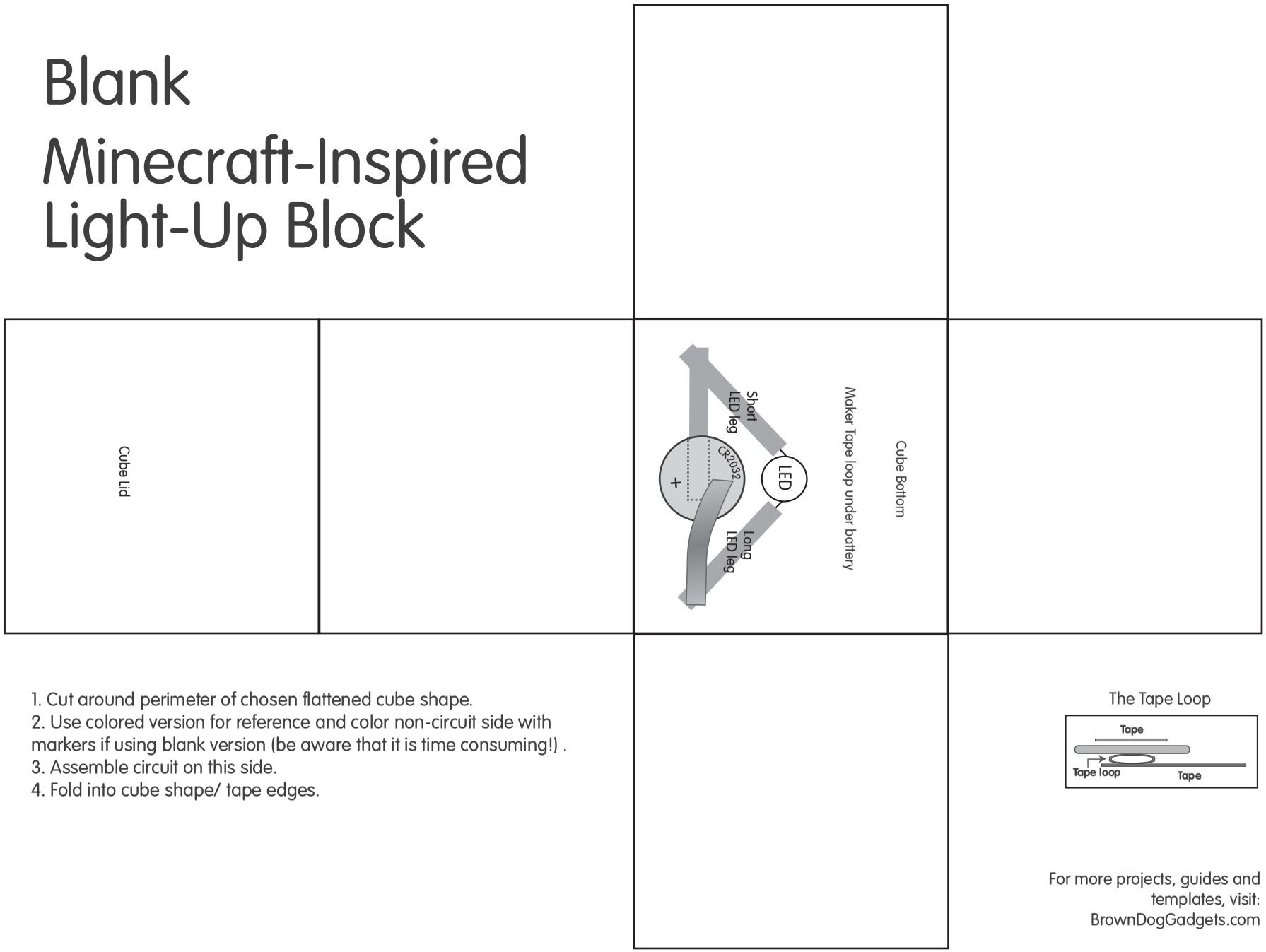


Blank Minecraft-Inspired Light-Up Block



1. Cut around perimeter of chosen flattened cube shape.
2. Use colored version for reference and color non-circuit side with markers if using blank version (be aware that it is time consuming!) .
3. Assemble circuit on this side.
4. Fold into cube shape/ tape edges.

The Tape Loop

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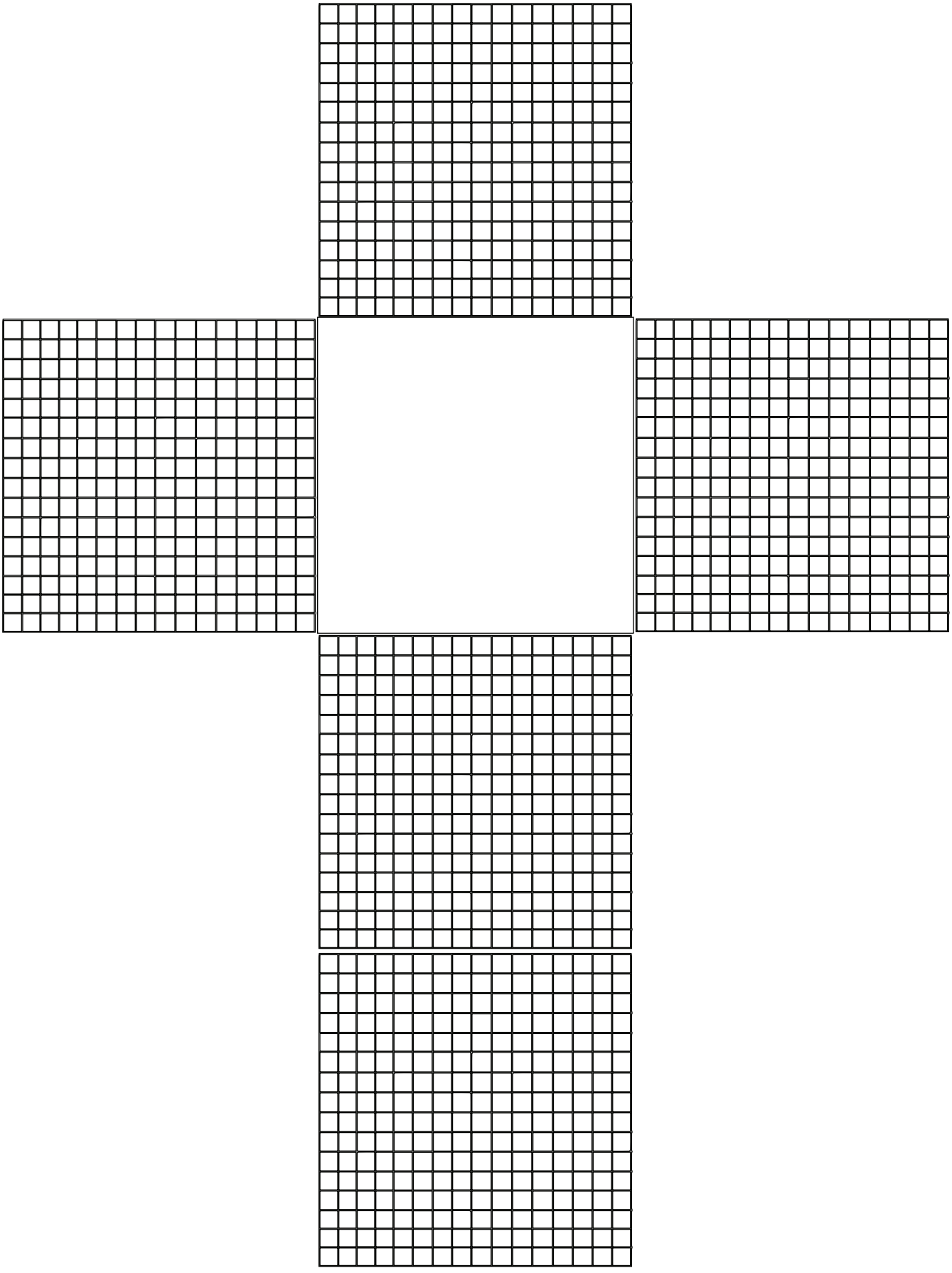
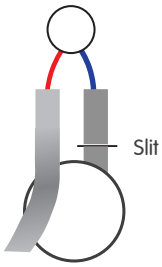


Assembly details for the slit switch on any vibrating project

(Dynamite, Creeper, and Jack-O-Lantern)

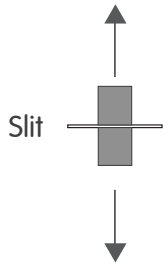
The Slit Switch

Inside of the shape



Thread each tape segment through the slit from the back to the front.

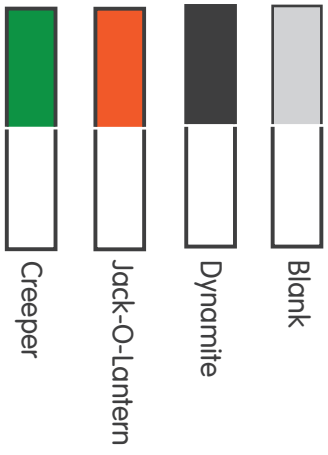
Outside of the shape



Press each end that was threaded through from the back in opposite directions into place on the front.

The Key

- Select a key color that matches the outside of your project so it stands out less when inserted.
- Cut out shape
- Cut a piece of Maker Tape that is 2x the length of the white portion.
- Peel and stick it to one side of the white and around the tip to the opposite side.
- To use, insert conductive end into the slit leaving the colored end hanging out.



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