

Cardboard Frisbee

by [Kiteman](#) on July 15, 2009

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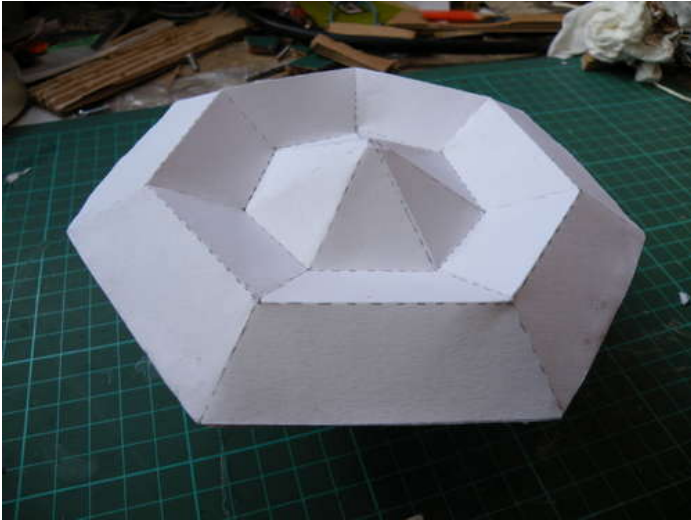
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intro: Cardboard Frisbee

If you're going to be fussy, this is not a frisbee, since it does not involve the famous pie-tins.

It is, however, eminently modifiable, decorateable (is that a word? It is now.), and suitable for using indoors.

Print one out with your corporate logo, then if you're caught playing with one of these at work, tell them you're using your initiative and testing out a potential marketing tool...



step 1: The template

As is my wont, this is made from a single A4 sheet, this time of light cardstock (about 160gsm, if you need to know).

I have included a PDF drawn up from a scan of my original sketch, including two versions - one decorated, one plain and awaiting decoration by your good self.

Print out the one you want, then cut it out, including the seven rectangles at the top.

(If you are going to decorate your frisbee by hand, do so before you cut it out.)

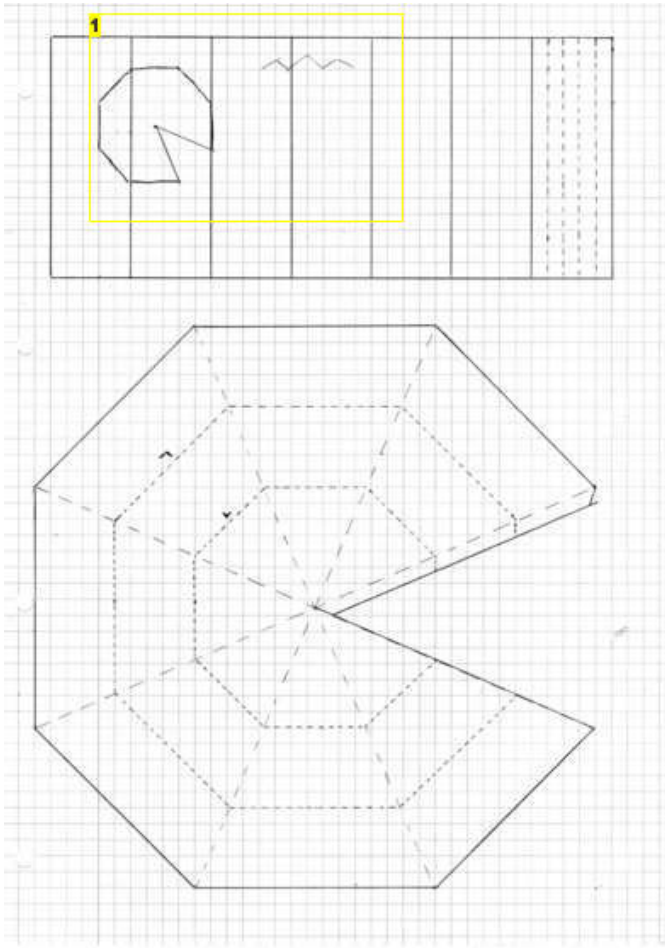


Image Notes

1. Not part of the template, but part of the design process. A snapshot of my mind?

File Downloads

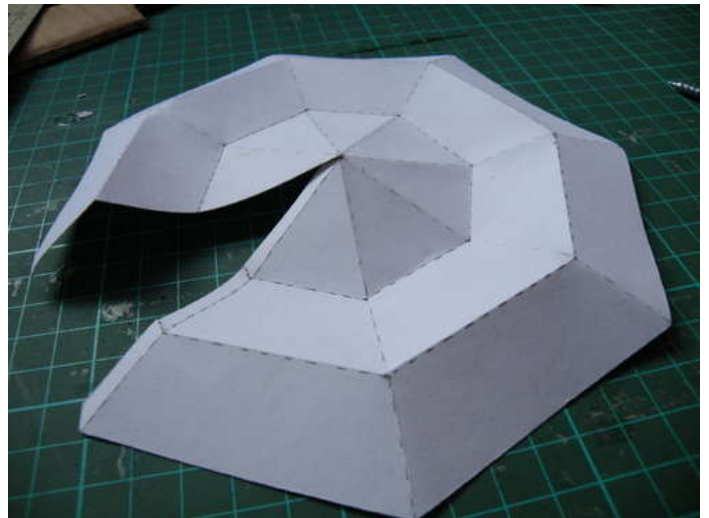
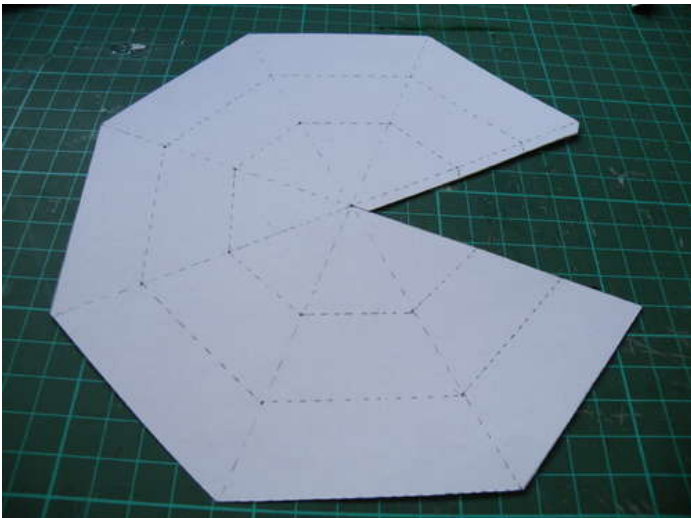


frisbee template.pdf ((596x842) 414 KB)

[NOTE: When saving, if you see .tmp as the file ext, rename it to 'frisbee template.pdf']

step 2: Score!

All the dotted lines of the template need to be scored - with a ruler, run the edge of a pair of scissors, or a dead ball-point pen along the lines so that they are easier to bend.



step 3: Up hill and down dale.

The shape of the frisbee is formed when you fold the scored lines.

The outer ring of lines needs to be mountain folded, and the inner ring of lines needs to be valley folded.

As you do this, the pacman-like gap in the template will close up, allowing you to glue the tabs on one side to the straight edge on the other side.

When gluing, use whatever suitable glue you like (glue-stick, "white" glue, even wood glue), just don't use a vast amount, or your frisbee could be unbalanced.

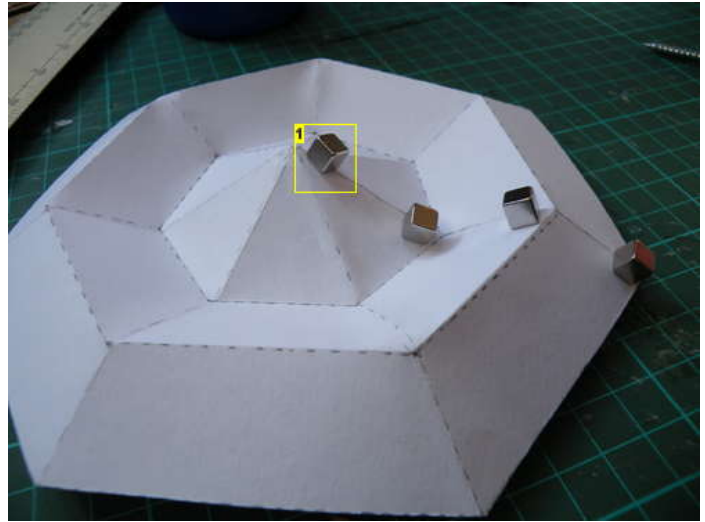
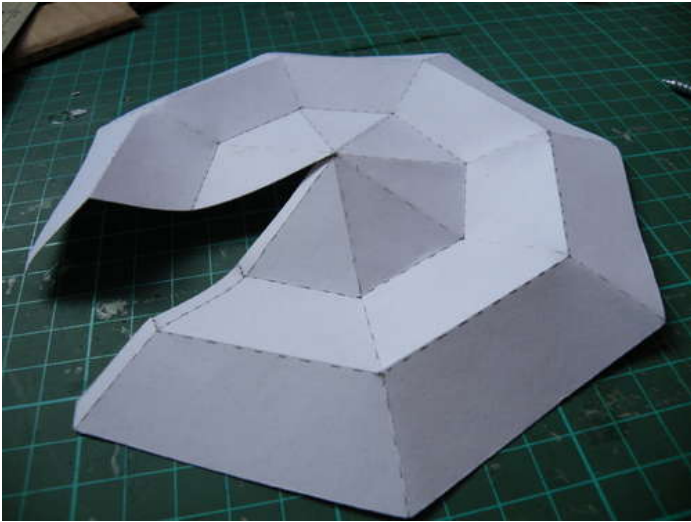


Image Notes

1. Tiny rare-earth magnets holding the card in place whilst the glue dried.

step 4: Weight a minute...

Frisbees fly more stably when there is more weight near the edge of the disc (yes, I *know* this isn't a disc, but it's easier than continually referring to *the regular heptagon*).

Cut out the seven rectangles from the template, score the dotted lines and then zig-zag fold them up and glue them into small blocks, which you then glue under the edges of the frisbee,

If you are using a glue that needs time to set, clothes pegs make good mini-clamps.

You will see from the photos that I used pairs of small neodymium magnets to clamp things in place while the glue dried. *Do not do this!* I spent more time than is probably sane getting the blasted things in the right place, unsticking them from their neighbours, my tools, my watch... Seriously, use pegs.

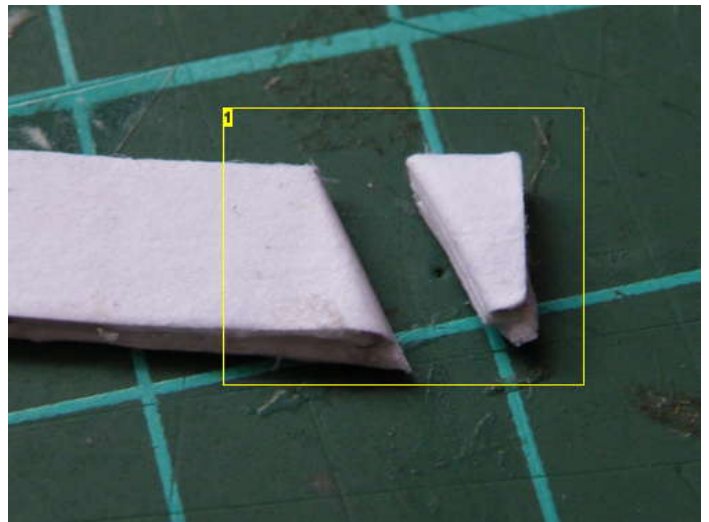
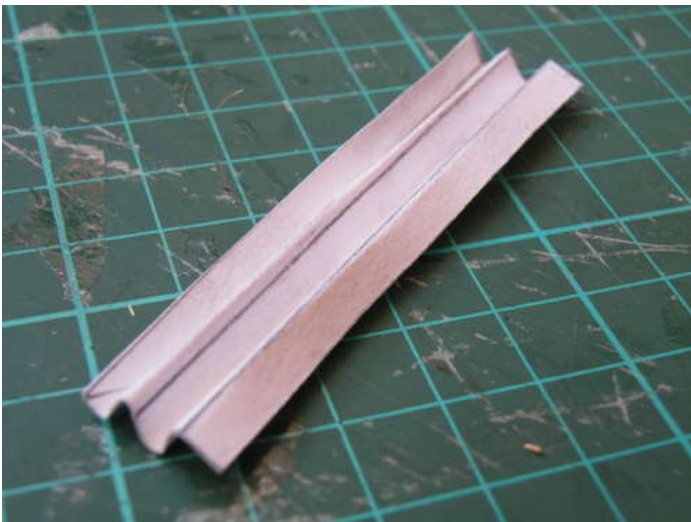


Image Notes

1. You will need to trim a small, angled piece off each end of the "beam" pieces so that they fit at the corners.

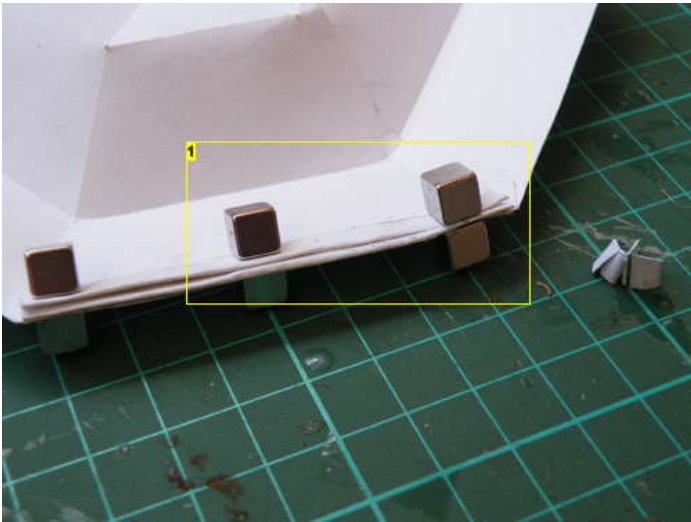


Image Notes

1. OK, so it's a cool idea to hold the whole thing together with magnets... but I really wish I'd used pegs.

step 5: Done!

Once the glue is dry, you're ready to go.

I won't tell you how to throw it (if you didn't know, why did you make it?), except to say that it does not do well in a forehand throw.

I have no idea why, maybe I'm just no good at the forehand grip...

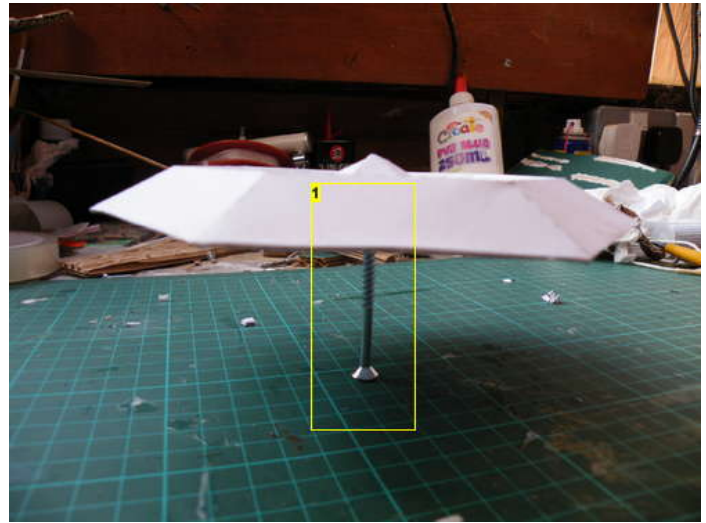
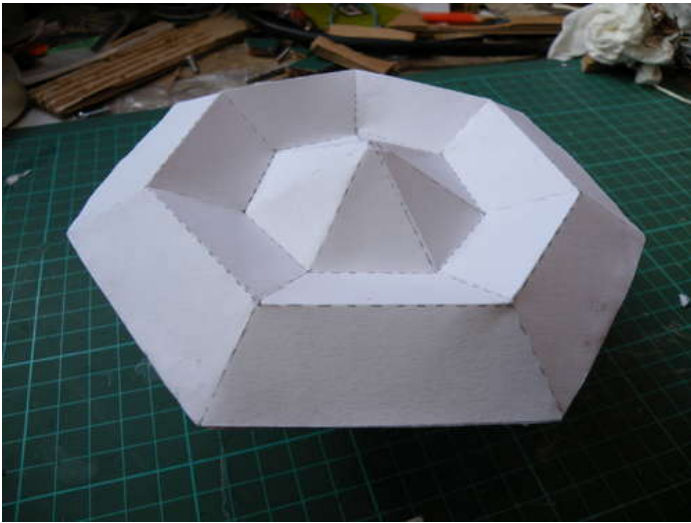


Image Notes

1. Seriously, no tricks, no magnets: if you make it carefully, the frisbee should balance easily on a standing screw.

Related Instructables



Climbing Cardboard Gorilla by Kiteman



Playing card usb case by Jeremia was a bullfrog



Use Cardboard To Make A Billfold or Wallet! by Creativeman



Easy Cardboard Wallet by reutsap



how to make a sun catcher from cardboard by cah el



How to make a Cardboard Action Figure by Spycrab



How To Enter the Gorilla Glue Cardboard Contest by Contest Robot



Make a CardBoard/Rock Lizard by pie popper

