

Origami Hocho

折り紙包丁

BEFORE YOU START

Read all the instructions before beginning.

Print the knife parts on card stock. Regular paper will give you poor results.

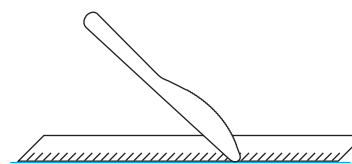
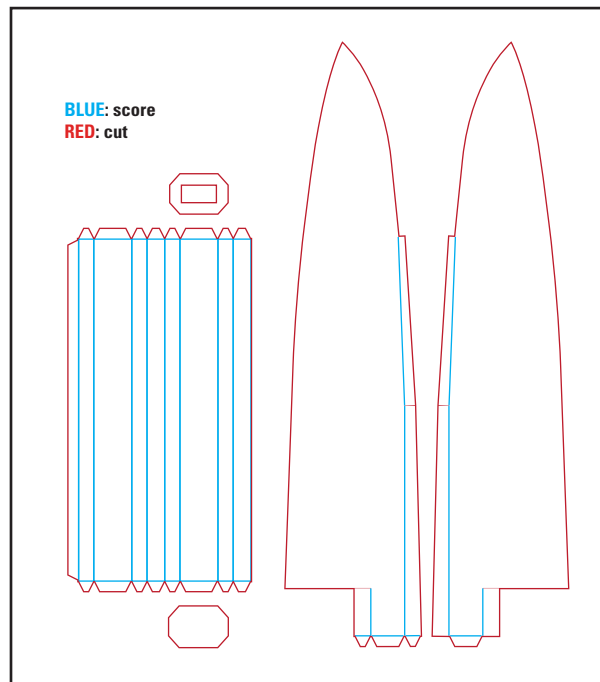
We recommend printing two copies and doing steps 1-3 to both before moving on. That way, if you have any screw-ups, you'll have a spare part already ready to go before the glue dries.

PREP YOUR PIECES

1: *Before cutting* score the lines drawn in blue in the reference diagram. To do this trace the lines using the spine of a butter knife along the edge of a ruler to make an indent. Folding along those lines will be easier later. Be careful, too much pressure and you'll cut the card.

2: Using an exacto knife cut out the pieces along the red lines. (It may be easier to do the inside of D before you cut along the outside line.)

3: Fold almost all of the scores you have made downward. (So the white side of the paper touches.) The exceptions are B4 and A4, which get folded upward. (So the printed side touches.)



How to score card with a butter knife.

NOW YOU CAN BEGIN GLUING (I recommend using super glue or model glue.)

4: Fold C into a tube, and glue C1 to the inside, creating the octagon handle. Set it aside for now.

5: Glue A1 to B1, covering the entirety of B1. No blue should be visible.

6: Fold down on the A1 and B1 scores, bringing A2 and B2 together.

7: Glue A2 to B2 same as you did A1/B1. This will be tricky, but not as tricky as making a real knife so stop complaining.

8: Glue A3 over B3.

9: Slip D over the tang of the blade. Glue A4 and B4 to the back of D.

THIS IS WHERE THINGS GET REALLY TOUGH

10: Glue C3 to the back of D, where B4 and A4 are also glued. Use the eraser end of a pencil inserted into the handle to help press the two parts together. The point where the the handle meets the blade is the weak spot, so if you want to reinforce it by putting an excessive amount of glue on the inside of this spot, that could help... maybe?

11: Glue E to C4.

12: Glue the two sides of the blade edge together to close it up. I can't figure out a better way to explain it, but I bet you get it.

Now you have something impressive to give to your loved one. At least we hope so. We printed this thing before trying it ourselves.

GOOD LUCK!

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