redgate

How to make
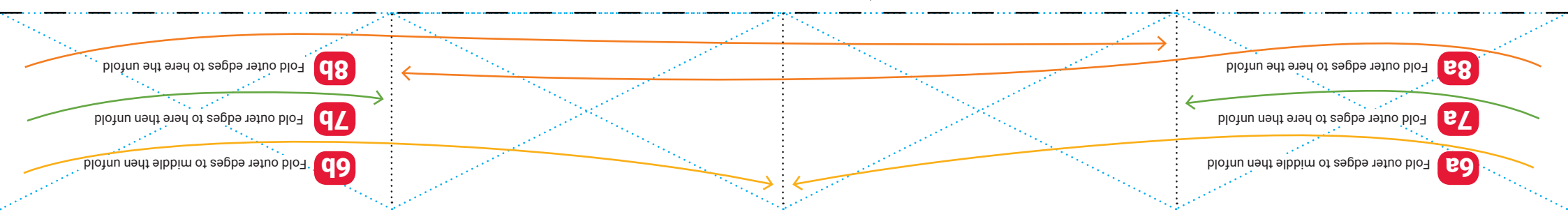## an ingeniously simple
flexagon
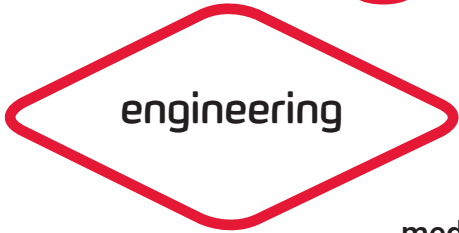**(it's complicated – but simplicity always is)**

START HERE

Creasing really firmly (*use a finger nail to enforce the creases*) and folding accurately is important. This is a moving object so corners have to line up for it to work.
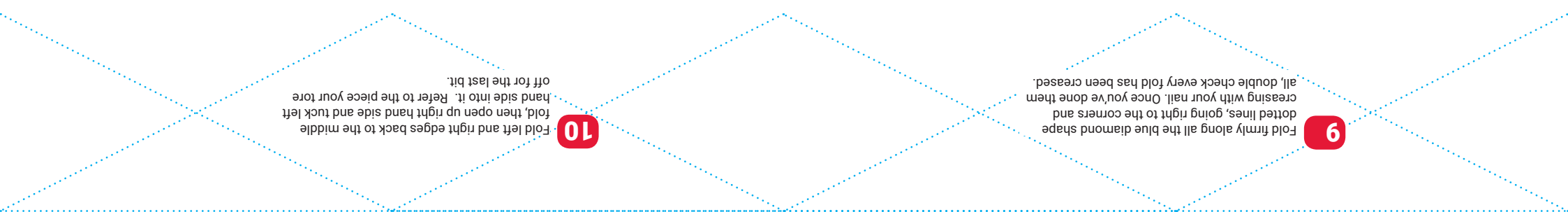
1 Crease along the dashed black line **here**, turn over and crease in the opposite direction and then carefully tear off this top section (keep it though – you'll need it later)

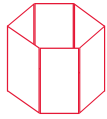**2** Turn over the section you've just torn off (i.e. the other bit)

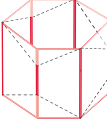**8b** Fold outer edges to here the unfold

7b Fold outer edges to here then unfold

6b Fold outer edges to middle then unfold

8a Fold outer edges to here the unfold

7a Fold outer edges to here then unfold

6a Fold outer edges to middle then unfold

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10 Fold left and right edges back to the middle fold, then open up right hand side and tuck left hand side into it. Refer to the piece your tore off for the last bit.

6 Fold firmly along all the blue diamond shape dotted lines, going right to the corners and creasing with your nail. Once you've done them all, double check every fold has been creased.
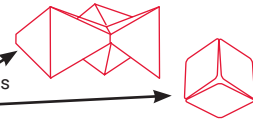
11 Make sure the left edge is tucked right round to the right (it's a little fiddly). Then strengthen your vertical folds so you have a 6 sided cylinder:

12 Push in the top three and bottom three folds so you have a crown shape
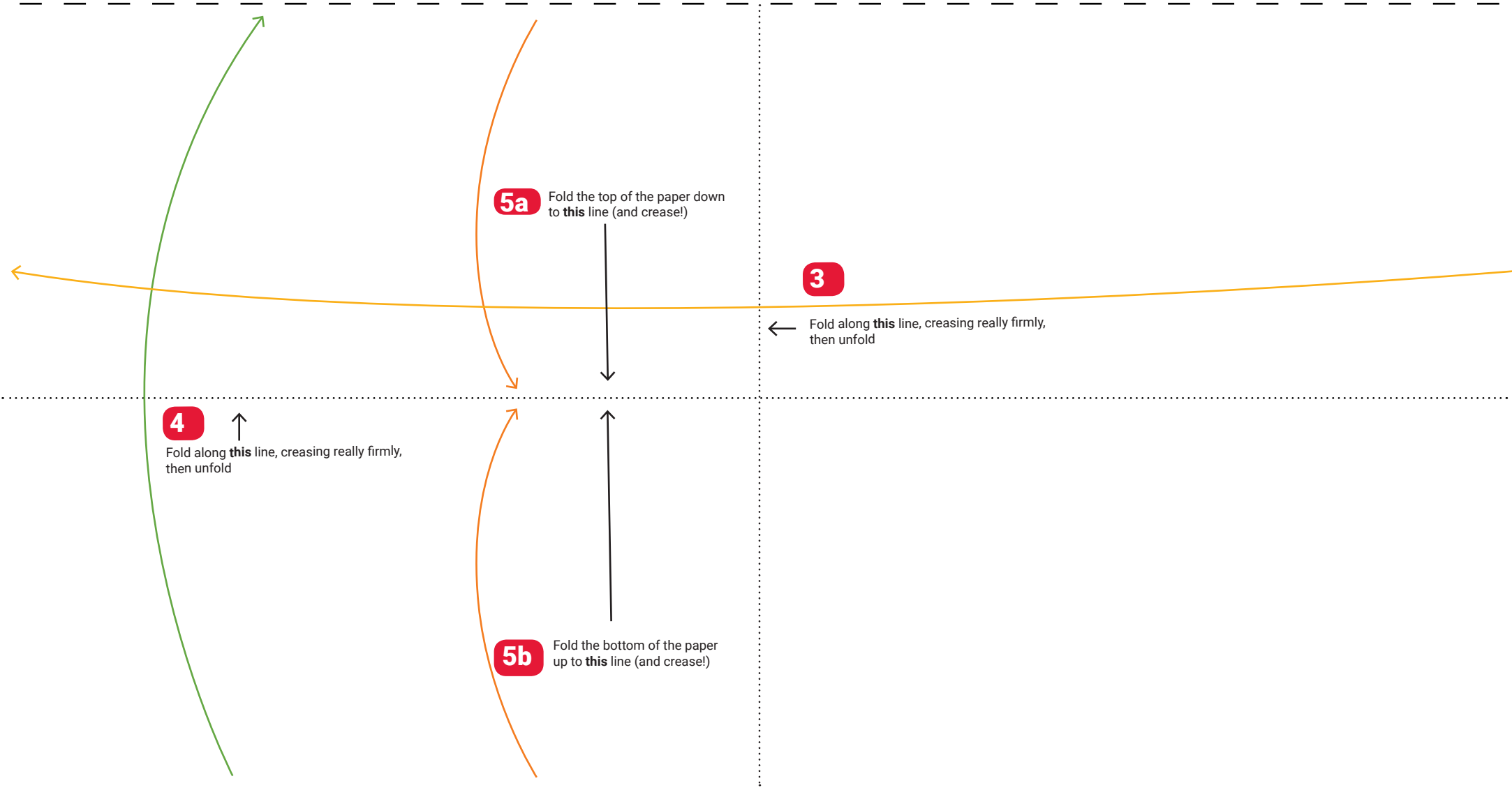
13 Push in the remaining top three and bottom three folds so you have a flattened crown made up of three sides with three diamond shapes per side

14 Looking at it like this, very gently start turning it through itself, changing direction a couple of times. Once you've done it a few times the folds will stablise and you can speed up.

Baffled?
Search YouTube 'origami flexagon'

5a Fold the top of the paper down to **this** line (and crease!)

3 Fold along **this** line, creasing really firmly, then unfold

4 Fold along **this** line, creasing really firmly, then unfold

5b Fold the bottom of the paper up to **this** line (and crease!)