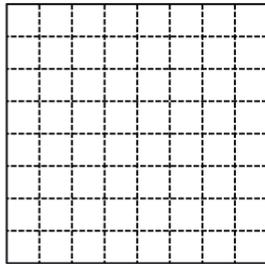


Cube Tessellation

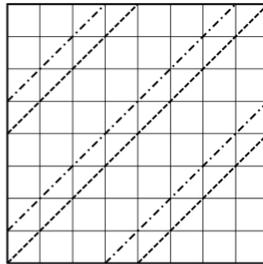
Design by Tristan Miller

I. Precreasing

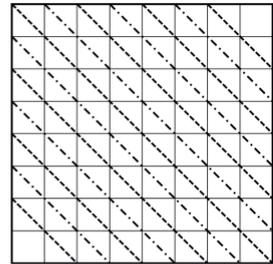
1.



2.



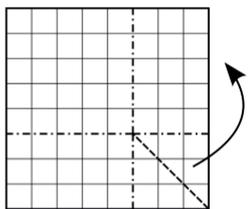
3.



Fold into 8x8. Alternate mountains/valleys in steps 2 & 3.

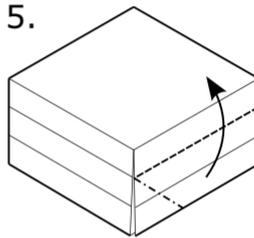
II. First Molecule

4.



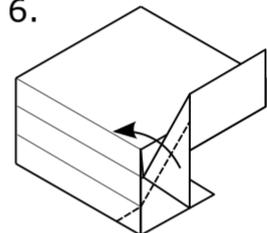
Fold cube corner.
Triangle goes to right.

5.



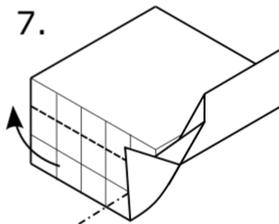
Swivel right flap up.

6.



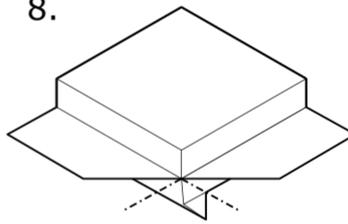
Valley fold across
vertical edge.

7.

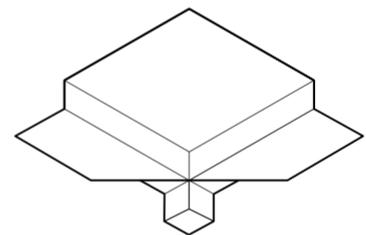


Swivel left flap up.

8.

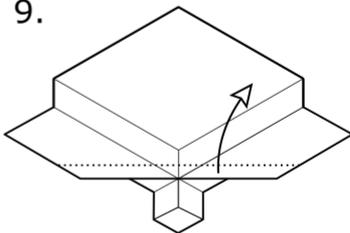


Fold bottom flap into cube.



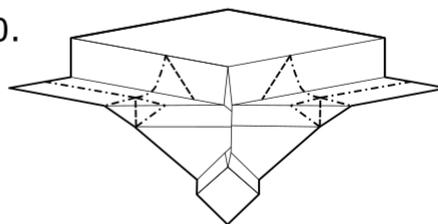
III. Layer by layer

9.

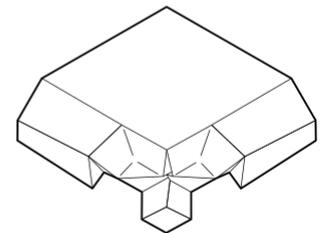


Slightly open crease.

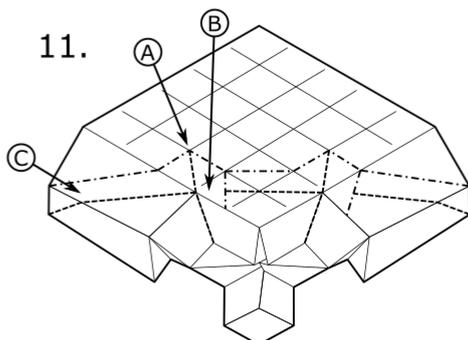
10.



Replace part of horizontal crease with vertical creases.
Close crease again. Note formation of two pentagons.



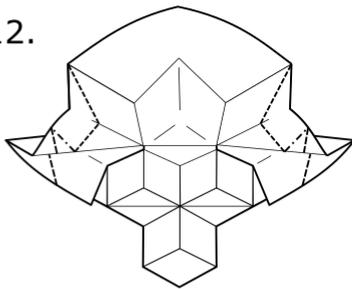
11.



Next layer is folded in one step.
Only most important creases are shown.

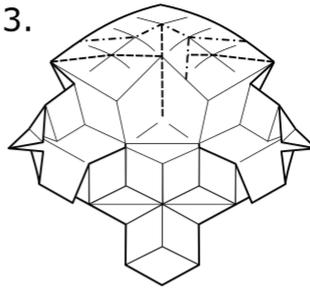
Gently extend the tip of each pentagon to the next row of squares (A). Bisect each pentagon with a vertical pleat (B). Finally, make a horizontal pleat (C) through the entire model, over the vertical pleats.

12.

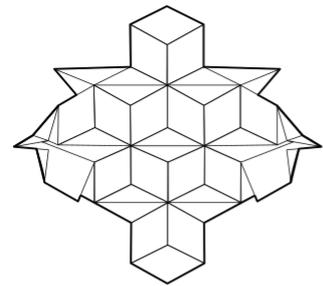


Fold corners into waterbombs.

13.

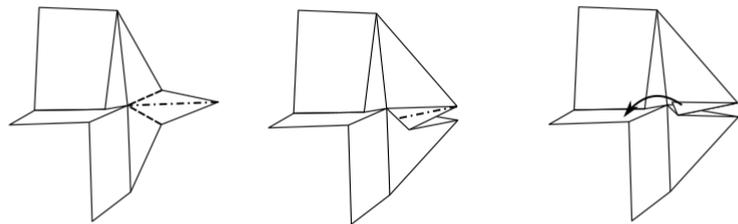
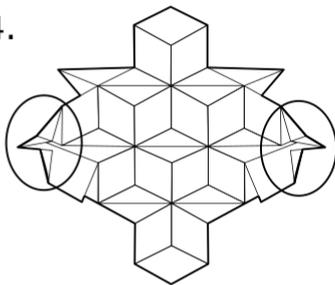


Fold another layer, similar to step 11.



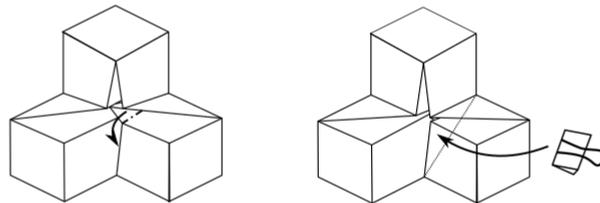
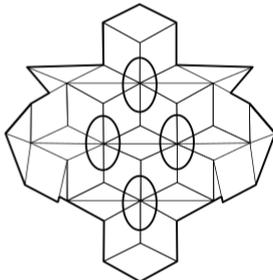
IV. Finishing Touches

14.



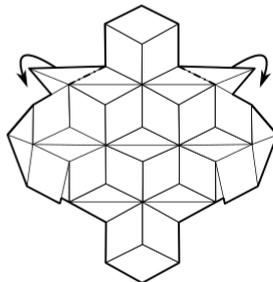
Invert outer tip of each waterbomb. Fold tip in half, and then tuck into slot.

15.



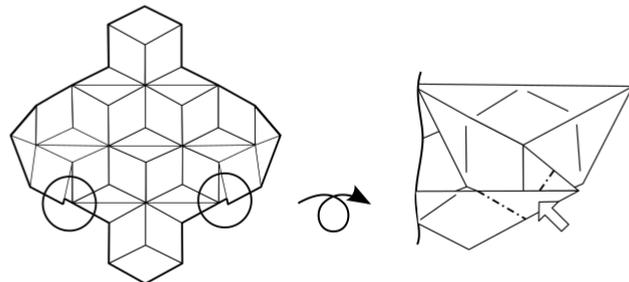
At each of these four spots, fold inner triangle down. It will still be loose, so add clips in back.

16.



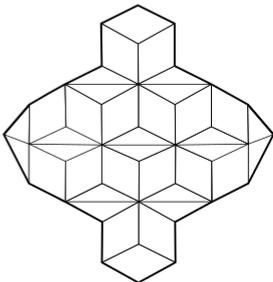
Fold these points to back.

17.



Look at these points on back of model. Push inwards.

18.



Actual model may be looser than diagram. To tighten, leave clips in for a while. (Optional: slightly dampen paper and leave to dry with clips.)