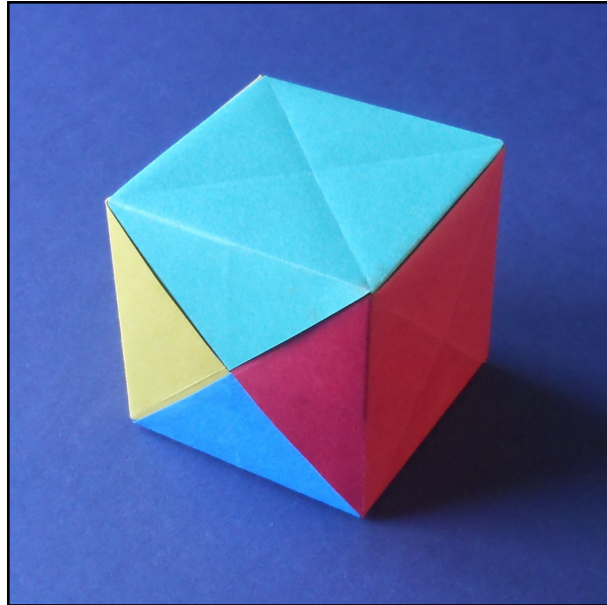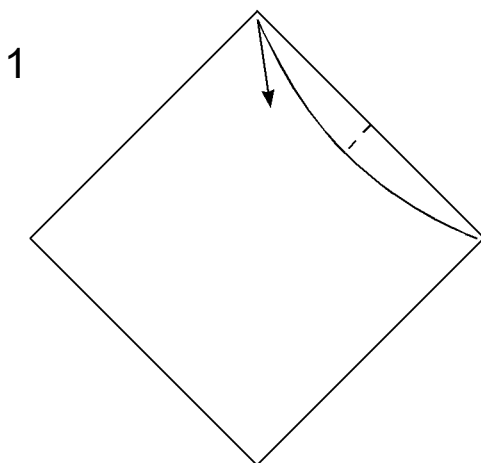# The Eureka Cube

Designed by David Mitchell

The Eureka Cube is so named because the design for the module came to me one day in the Summer of 1988 when I was lazing in the bath. Strange but true.

This was one of my earliest designs to use division into thirds and I am still fond of it because of the elegance of the folding and assembly sequences. It is best made from fairly stiff paper.
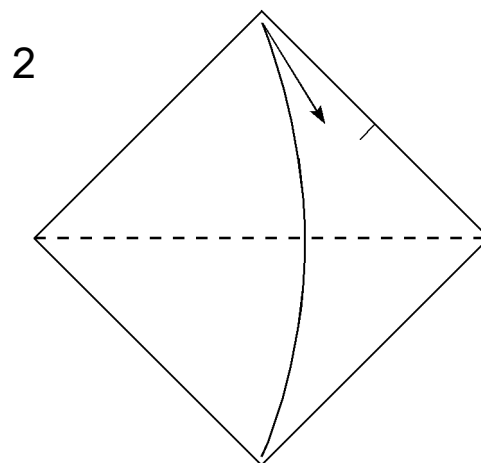

These diagrams show you how to make the Eureka Cube using two squares in each of two contrasting but complementary colours but you could, of course, use squares of four different colours instead.

If you are using irogami begin with your paper arranged white side up.
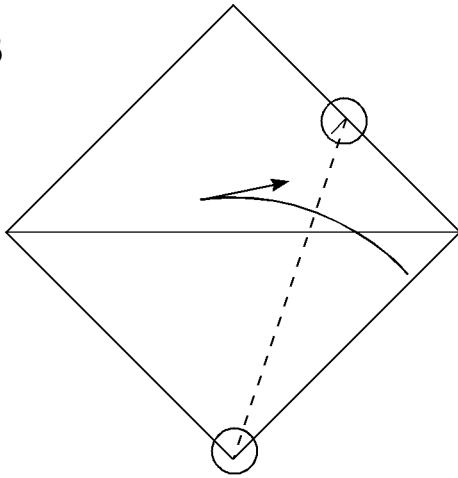
1

2

1. Make a tiny crease to mark the centre of the top right sloping edge.
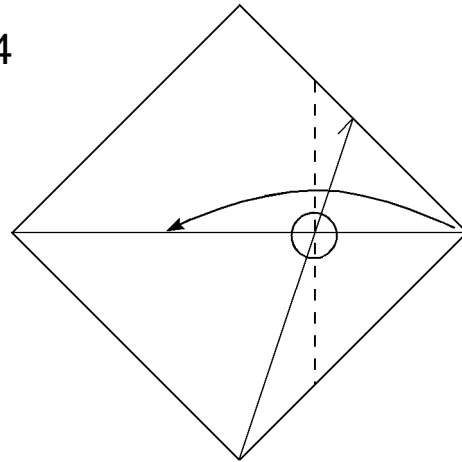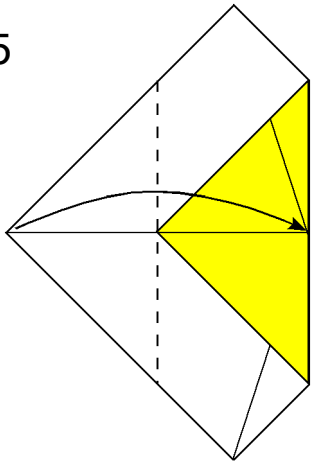
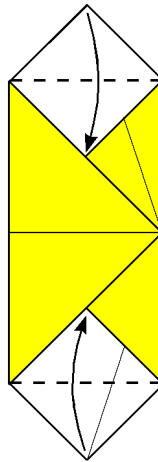2. Fold in half upwards, then unfold.

3

3. Fold the right corner inwards using the bottom corner and the point where the tiny crease made in step 1 meets the top right sloping edge (both marked with circles) to locate the fold accurately, crease firmly, then unfold..

4

4. Fold the right corner inwards so that it lies on the horizontal crease using the point where the creases made in steps 2 and 3 intersect (marked with a circle) to locate the fold accurately.
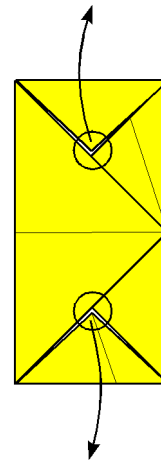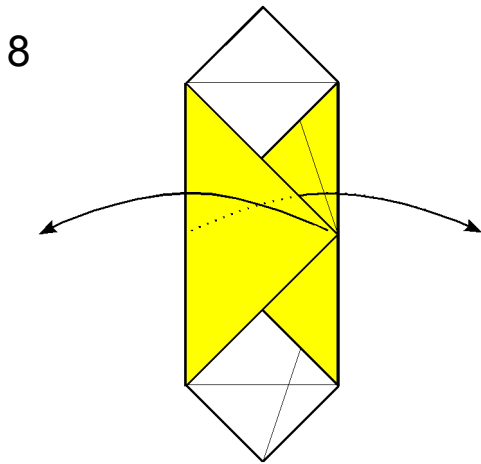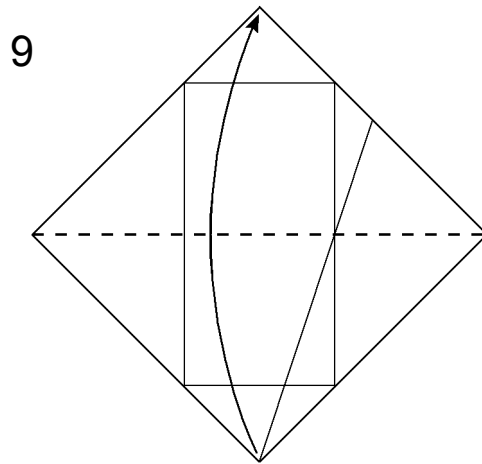
5

5. Fold the left corner onto the point where the horizontal crease meets the right edge.

6

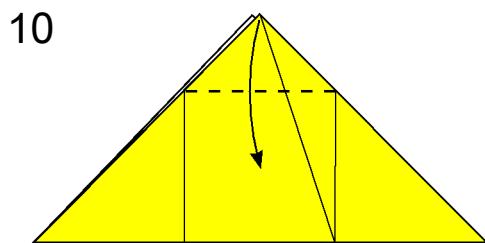6. Fold the top and bottom corners inwards as shown.

7

7. If you made all your creases accurately all the raw edges will line up exactly at the points marked with circles. Open out the folds made in step 6.
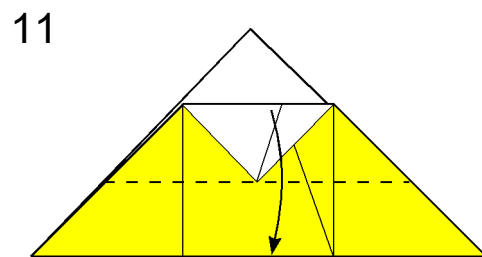
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8

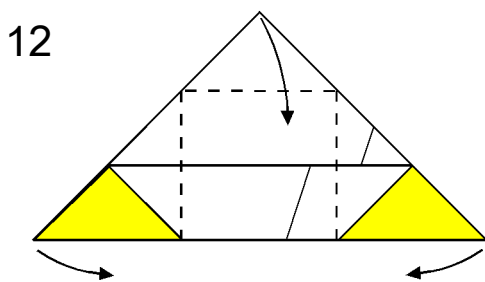8. Open out the folds made in steps 4 and 5.

9

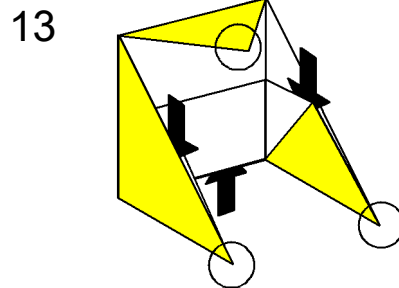9. Fold in half upwards using the existing crease.

10

10. Fold the top corner of the front layer downwards as shown using the existing crease.
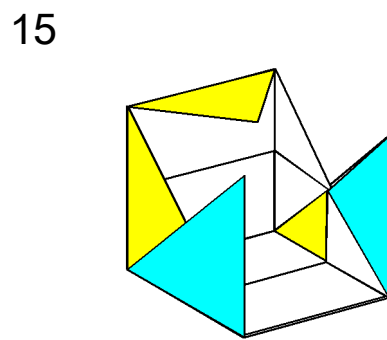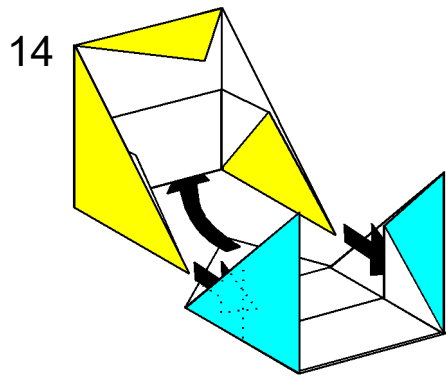
11

11. Fold the top edge of the front layers onto the bottom edge.

12

12. Fold the top, left and right corners towards you at right angles using the existing creases.

13
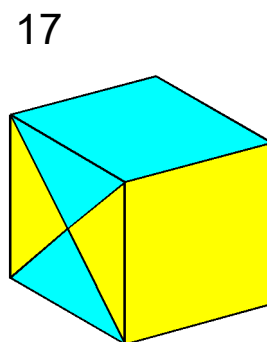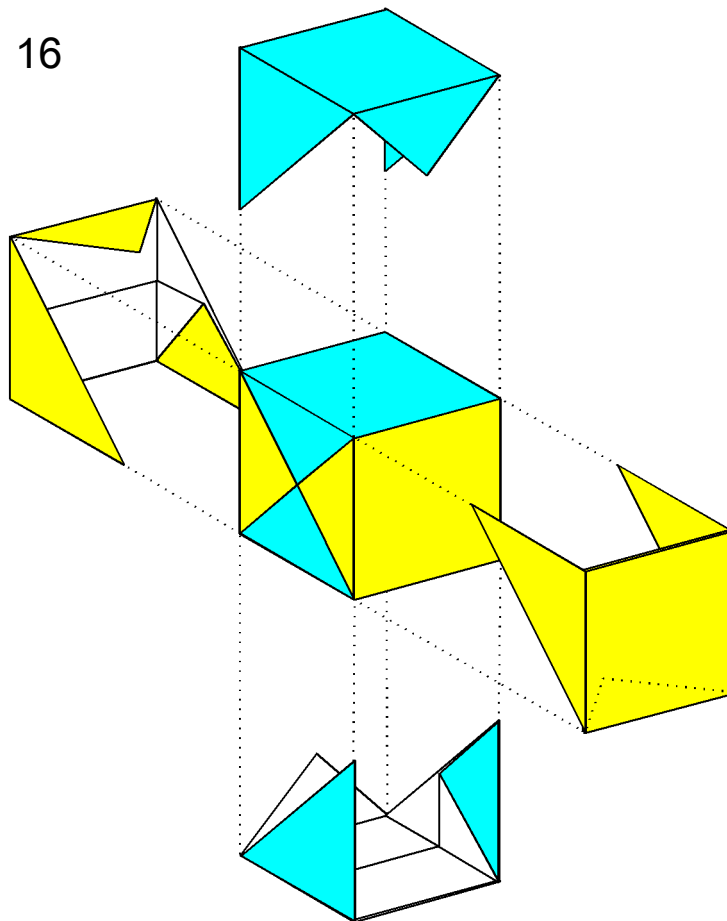

13. The first module is finished. Make all four. Each module has three tabs (marked with circles) and three pockets (indicated by arrows).

14

15

14. The first two modules go together ...

15. .... like this.

16

17

16 and 17. Add the remaining modules in the same way to complete the Eureka Cube.

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