

Darwin Triple Motif and Eccentric Designs

Designed by David Mitchell

Since the four decorative flaps of the Darwin module can be folded completely independently it is possible to create 6-part cubes using a mixture of motifs.

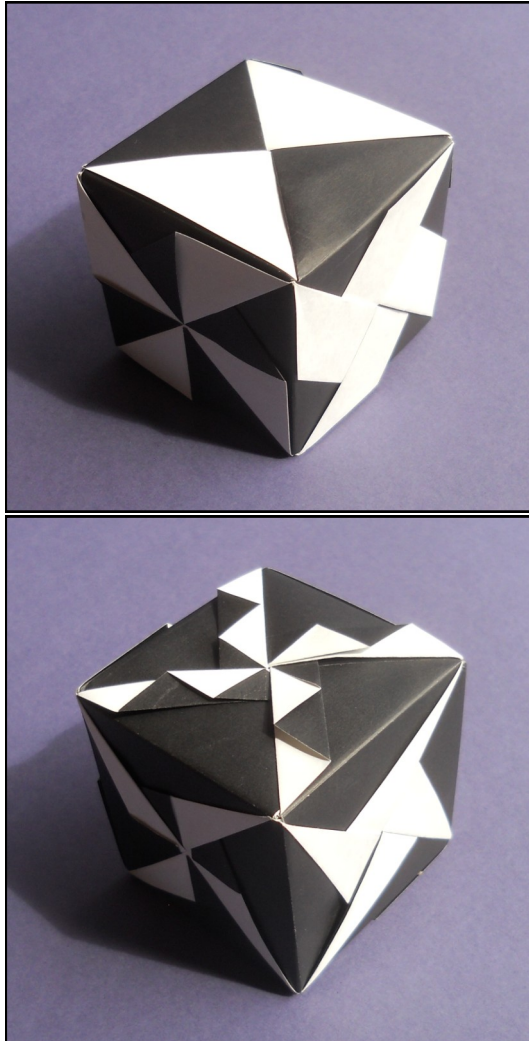
In triple motif cubes the two instances of each of the three motifs appear on opposite faces. In eccentric cubes each face bears a motif unique to that face.

There are separate instructions on this site for 6-part cubes that bear each individual motif on all faces. The present instructions simply illustrate the modules required to make one example of a triple motif cube, and two examples of an eccentric cube, and leave it to you to puzzle out how to make them with reference to the other sets of diagrams.

You can, of course, construct triple motif and eccentric cubes using other combinations of motifs than those used here.

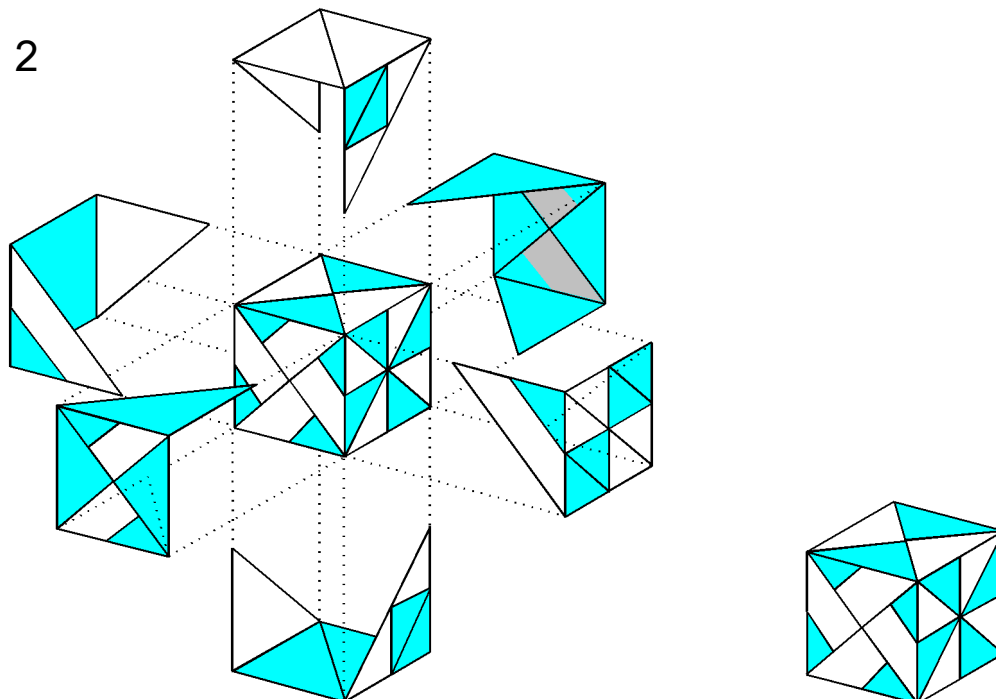
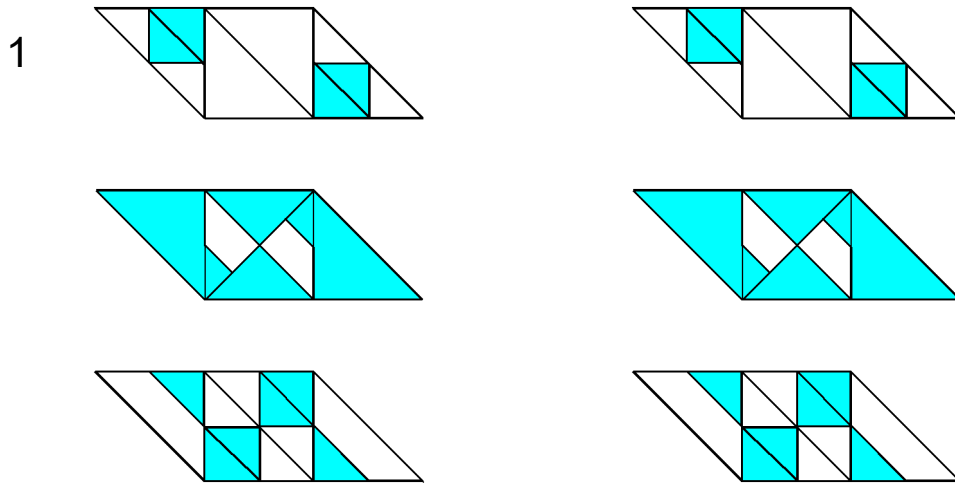
It should also be possible to assemble more complex cubes, cube combinations and silverhedra from modules of this type using similar methods but I have not yet found time to experiment with this.

I designed these triple motif and eccentric cubes in 2015.



Darwin Triple Motif 6-part Cube

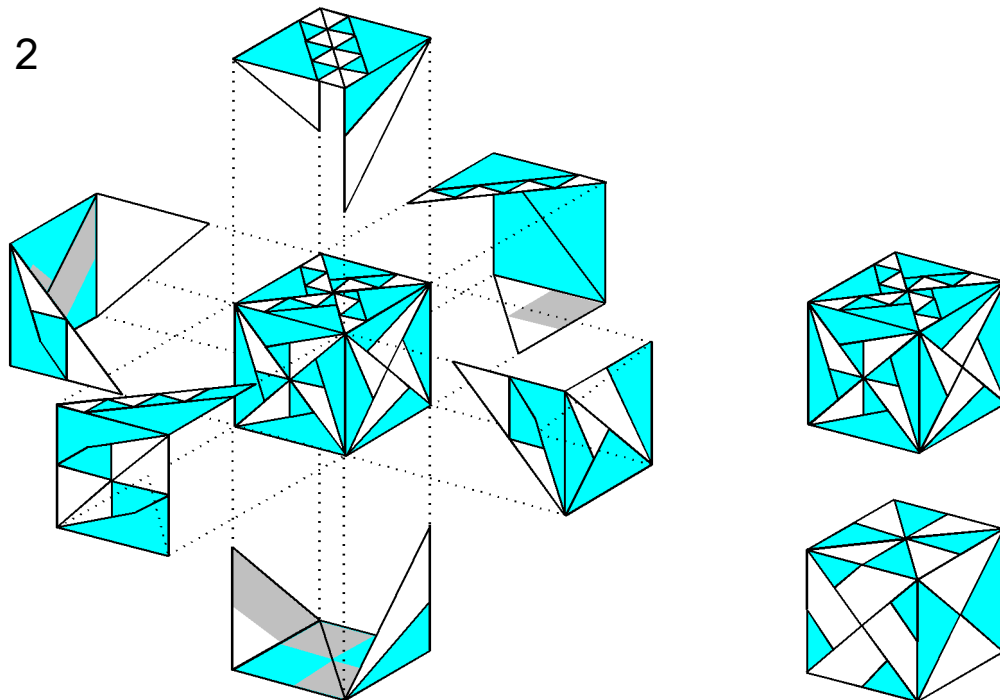
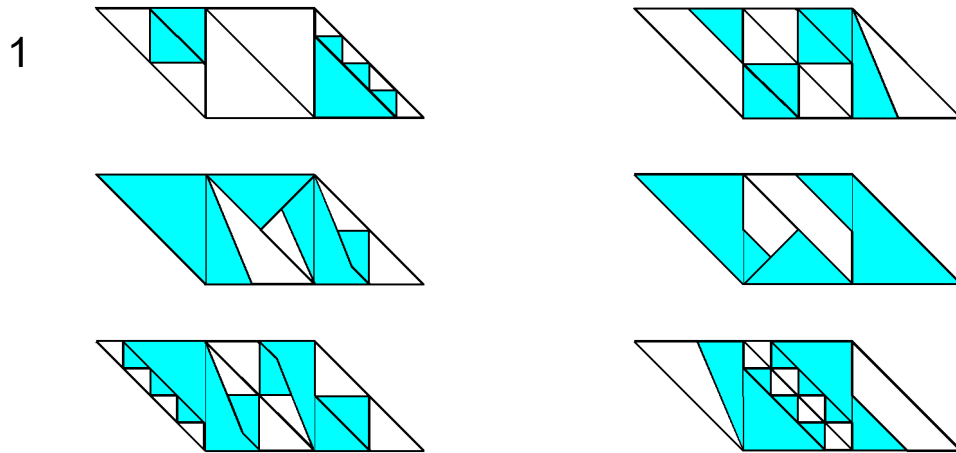
Here are the six modules you will need. You will see that each module is made up of a mixture of elements of two motifs.



2. The cube is assembled like this. The reverse of the cube is identical to the front.

Darwin Eccentric Cube - Version 1

Here are the six modules you will need. You will see that each module is made up of a mixture of elements of three motifs.

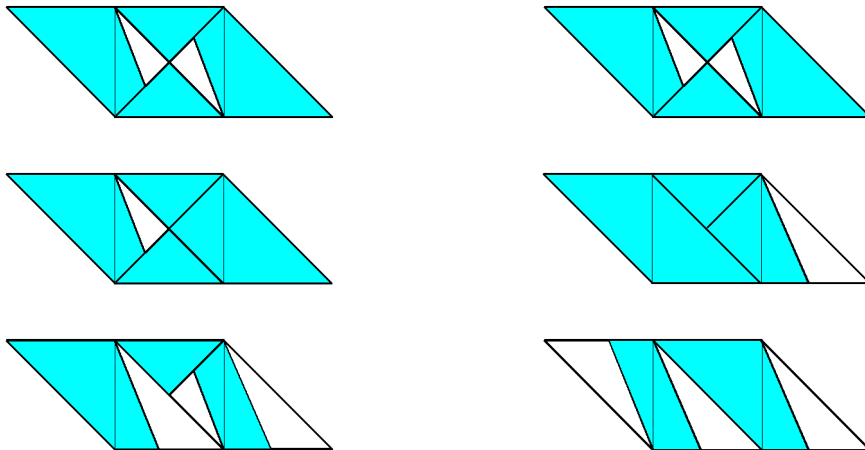


2. The cube is assembled like this. All faces of the cube are different.

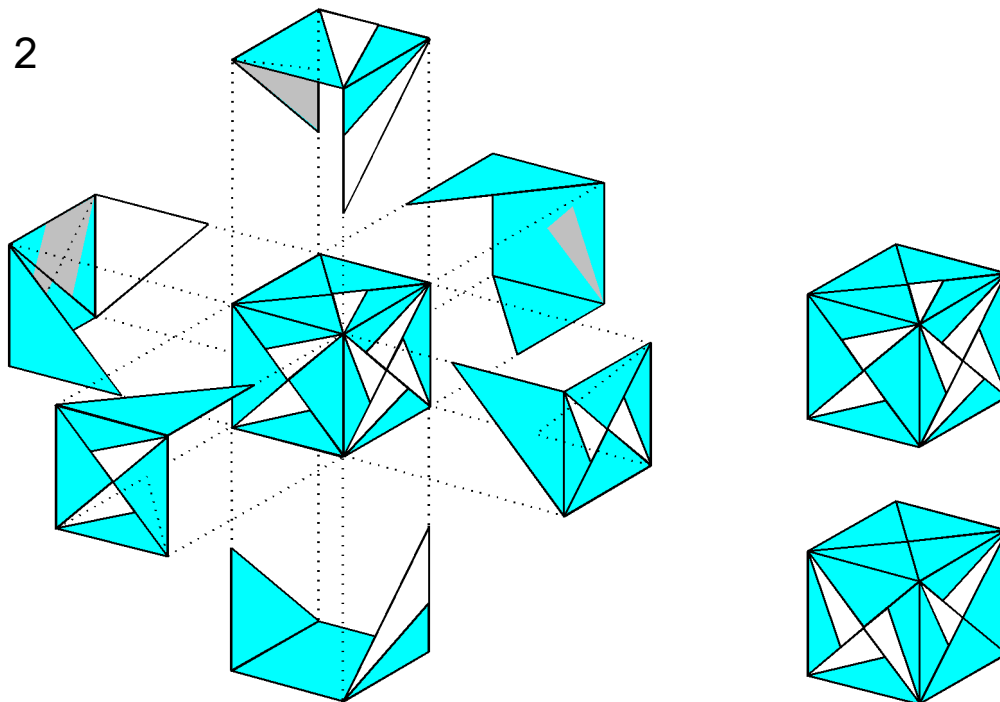
Darwin Eccentric Cube - Version 2

Here are the six modules you will need. You will see that each module is made up of a mixture of elements of three motifs.

1



2



2. The cube is assembled like this. All faces of the cube are different.

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