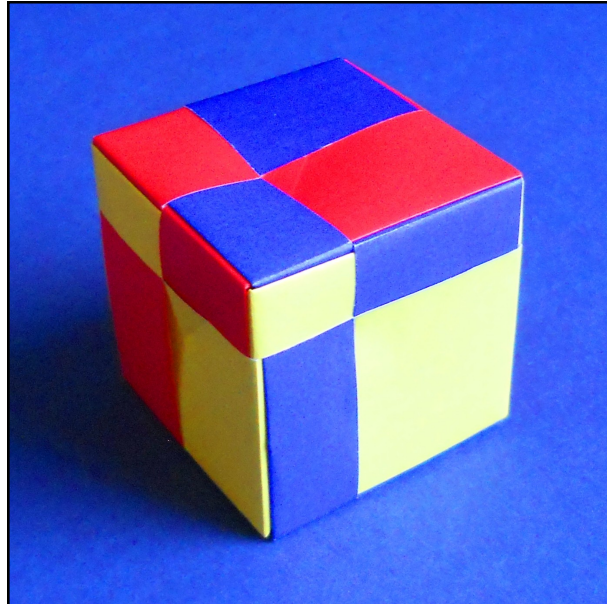


# The Cockeyed Cube

Designed by David Mitchell

The Cockeyed Cube is a development of the Mondrian Cube. It is made by combining two sets of four Mondrian modules, of different proportions, with a set of four standard Corner-pocket Sonobe modules. The result is a cube in which each set of opposite faces is divided into four rectangles of different proportions, giving it a strange, cockeyed, appearance.



I first made the Cockeyed Cube in 2017 although I had realised that the design was possible some years earlier.

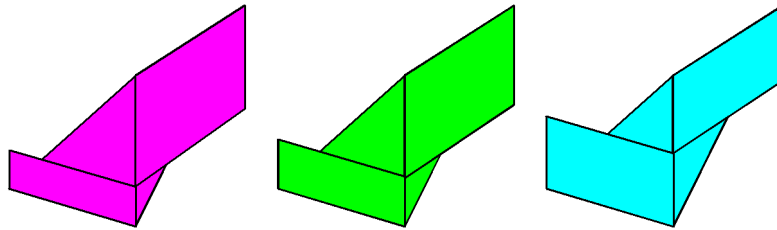
The diagrams show you how to make a Cockeyed Cube from four one third / two third Mondrian modules, four one quarter / three quarter Mondrian modules and four standard Corner-pocket Sonobe modules. You could use Mondrian modules of different proportions, say one fifth / three tenths, to replace the Corner-pocket Sonobe modules but there is no practical or aesthetic advantage in doing so.

Folding methods for all three modules can be found elsewhere on the Diagrams for Modular and Macromodular designs page of this site.

Begin by making the twelve modules required. The assembly diagram shows you how to make a Cockeyed Cube using a different colour of paper for each set of modules but you could equally well mix colours among the sets to achieve a different effect.

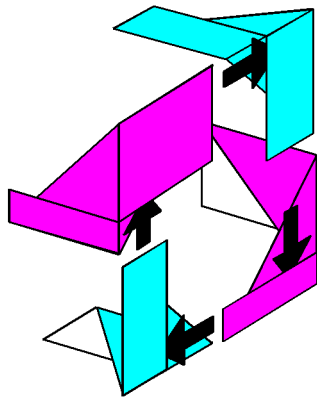
It should also be possible to make a Cockeyed Stubby Star by reconfiguring the same twelve modules.

1

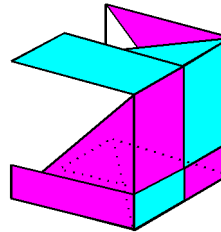


1. You will need four one quarter / three quarter Mondrian modules ( shown in magenta ), four one third / two thirds Mondrian modules ( shown in green ) and four Corner-pocket Sonobe modules ( shown in blue ).

2



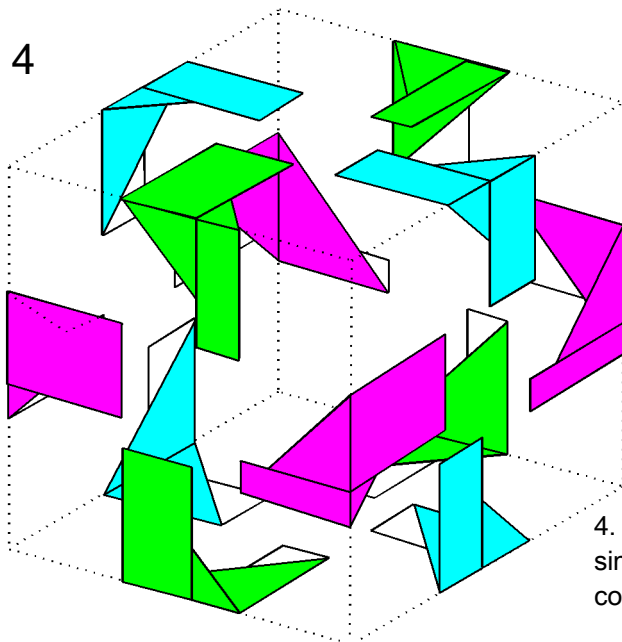
3



2. The first four modules ( two of two different kinds ) go together to form the first face of the Cockeyed Cube like this.

3. This is what the result should look like.

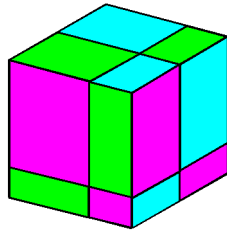
4



4. Add the remaining modules in a similar way, keeping to the pattern of colours / types of module shown here.

2

5



5. The Cockeyed Cube is finished. Each pair of opposite faces are divided into four rectangles of different proportions.

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