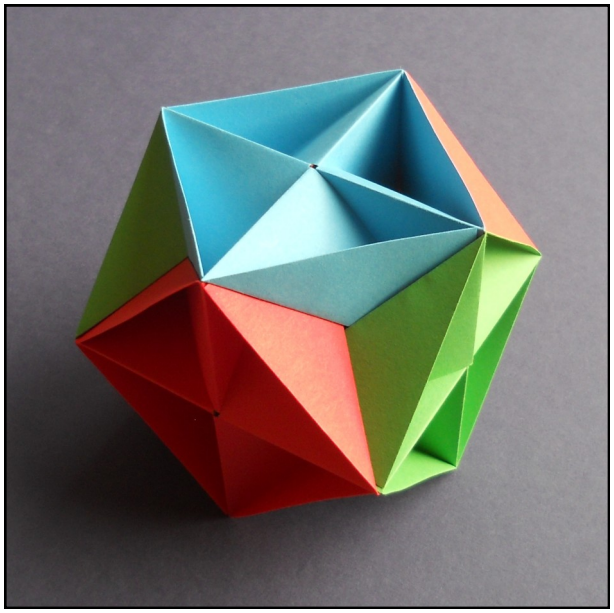
Elite

Designed by David Mitchell

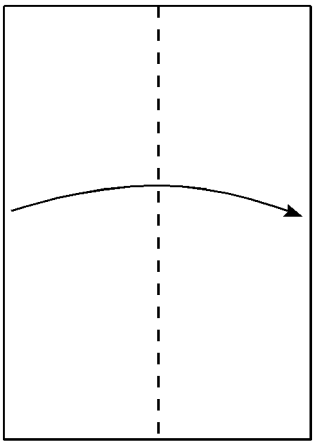


Elite is one of the best of my modular designs. It is made from 24 very simple modules folded from silver rectangles, and is quite challenging to construct. Think of it as a modular puzzle, perhaps. The finished design is unusual, attractive and robust and also lends itself to use as a macromodule.

These instructions show how to make Elite from 24 silver rectangles in each of three colours, but Elite also works well, and particularly well as a macromodule, if made from a single plain colour or in a patterned paper.

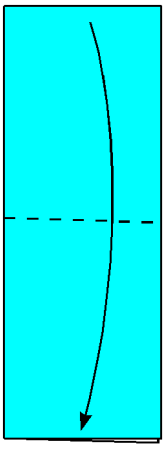
If you are using irogami begin folding with your paper arranged white side up.

1



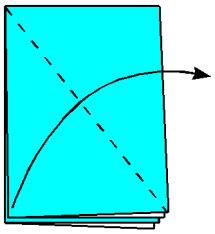
1. Fold in half from left to right.

2



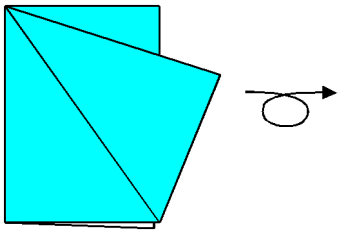
2. Fold in half from top to bottom.

3



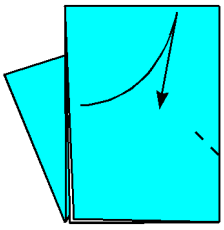
3. Fold the front layers in half diagonally from left to right making sure the crease intersects both corners accurately.

4



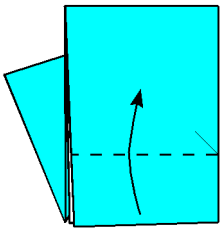
4. Turn over sideways.

5



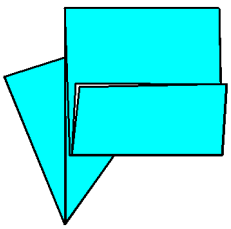
5. Fold the left edge of the front layers onto the top edge but only make a tiny crease to intersect the right edge, then unfold.

6



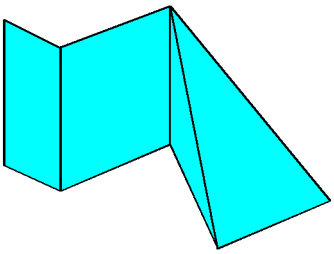
6. Fold the bottom edge upwards using the tiny crease made in step 5 to locate the fold. Ideally you should make this fold minimally below the point where the tiny crease intersects with the right edge.

7



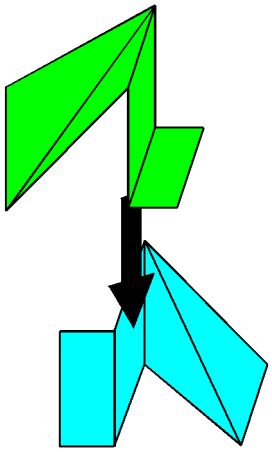
7. Open out the module to look like picture 8.

8



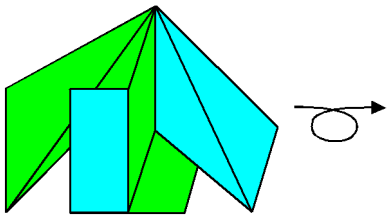
8. Make all 24, eight in each of three contrasting but complementary colours.

9



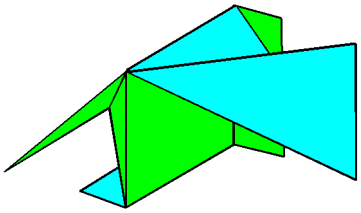
9. The first two modules go together like this.

10



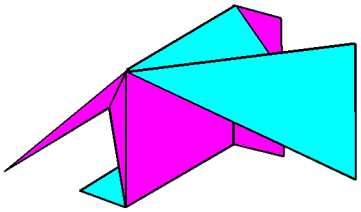
10. Make sure the small flaps are arranged like this then turn over forwards.

11



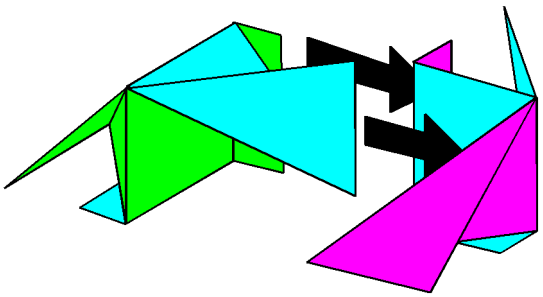
11. Your modules should now look like this.

12



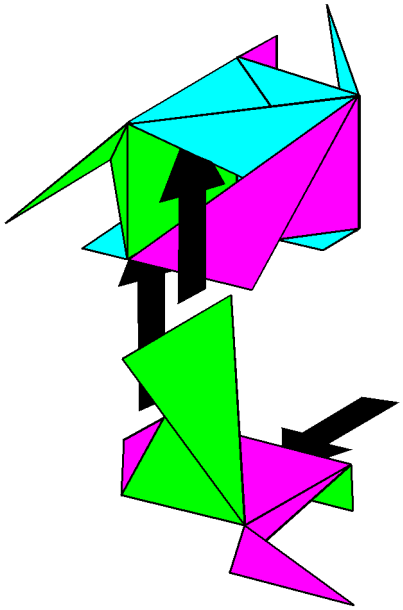
12. Assemble a second pair of modules as shown here.

13



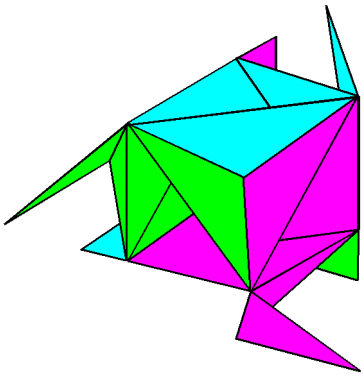
13. The two pairs of modules go together like this. Make sure the small flap on the first pair slides into the pocket which lies between the upright edges of the modules of the second pair.

14



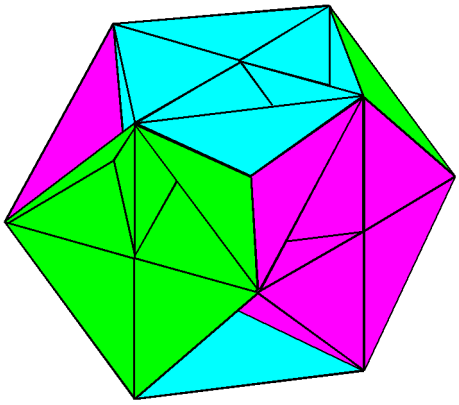
14. A third pair of modules is added like this . Make sure all the tabs go into the corresponding pockets as shown here.

15



15. This is the result. One corner is finished. Continue adding modules, either singly or in pairs to construct the other seven corners, being careful to keep to the pattern of colours shown in picture 16.

16

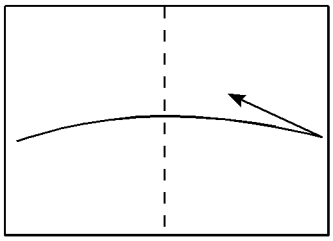


16. The finished design should look like this.

Steps 17 through 24 show you how to stack several Elites to form a pyramid with the help of some very simple joining modules..

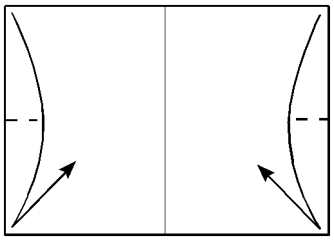
Folding the joining module

17



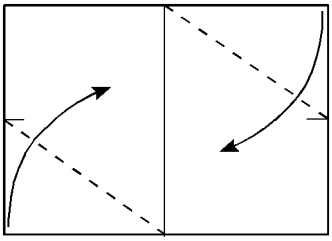
17. Fold in half sideways, then unfold.

18



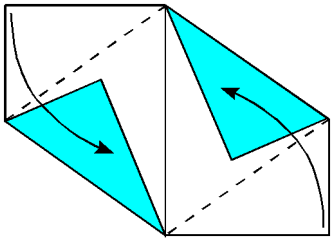
18. Make tow tiny creases to mark the midway points of both outside edges.

19



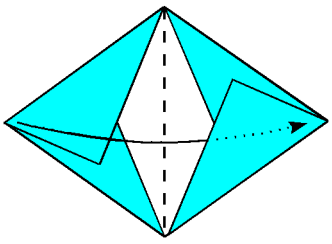
19. Fold the bottom left and top right corners inwards using the points where the creases made in steps 17 and 18

20



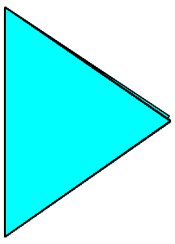
20. Fold the top left and bottom right corners inwards in a similar way.

21



21. Fold in half sideways and interlink the front flaps to hold the module closed.

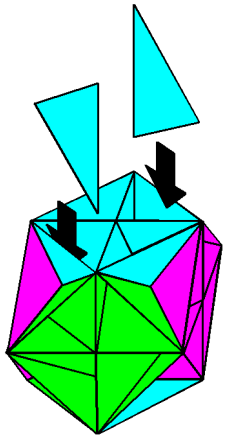
22



22. The linking module is finished. How many you need depends on how large a pyramid you wish to build.

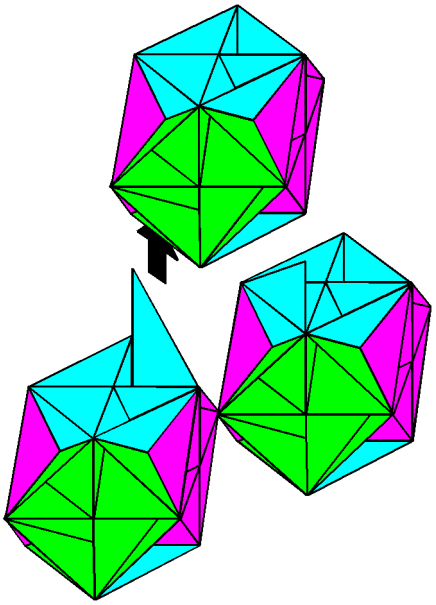
Constructing the pyramid

23



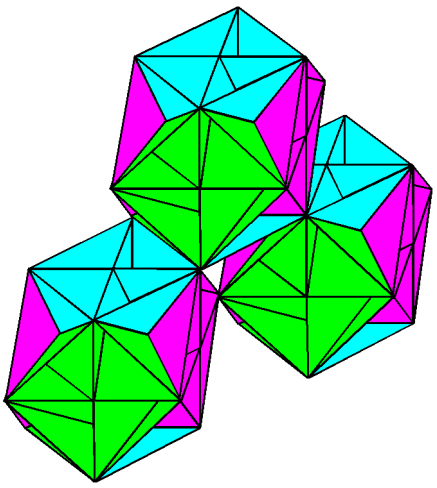
23. The linking modules will simply drop into the top of the macromodule like this.

24



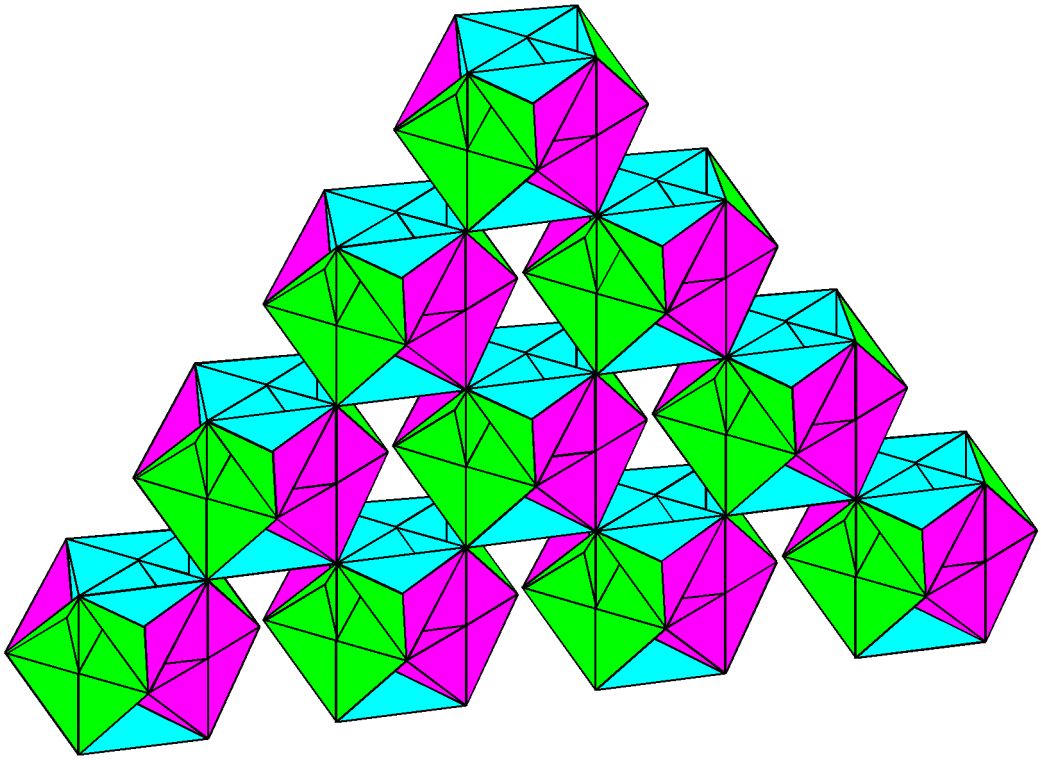
24. Three macromodules and two linking modules will form a basic two tier pyramid like this.

25



25. The top macromodule is held in place by the linking module (and by gravity, of course).

26



26.This is what a four tier pyramid would look like.