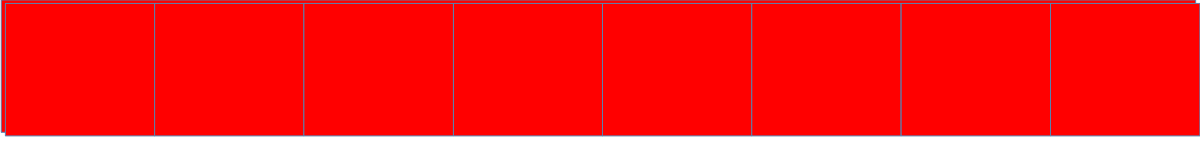


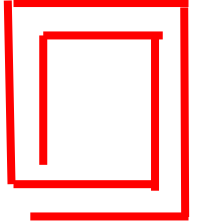
Origami geometry - the cube made of paper strips

A square

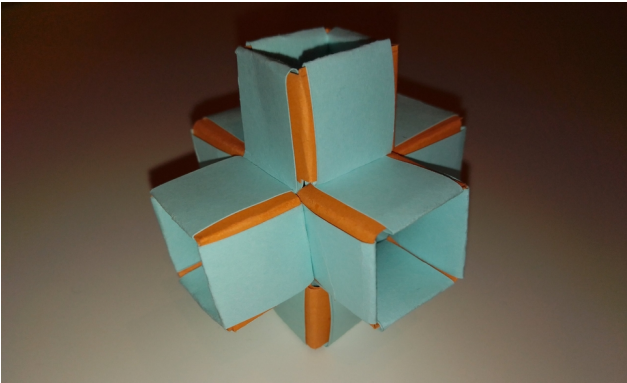
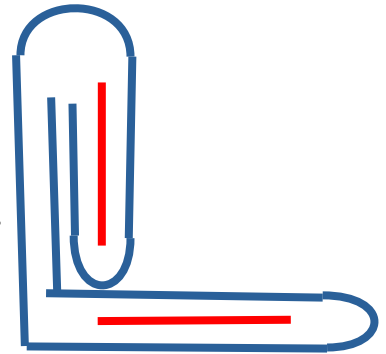
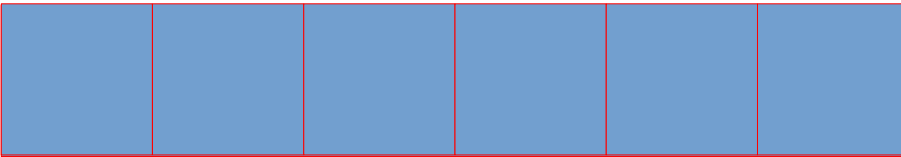


Cut 6 strips of paper e.g. 2 cm wide and 16 cm long so that the strip can be folded every 2 cm.

The easiest way is to use a strip about 2 cm wide around which the strip is folded.



A connector



Cut 12 strips of paper e.g. 1.8 cm wide and 12 cm long so that the strip can be folded every 2 cm.

Two squares are connected with the connector strip.

Use the connector strips to connect the square strips to form a cube shape.

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Geometric Platonic or Archimedean solids are always fascinating. The geometry of nature can be found in many ways. There are many ways to build these bodies yourself. In the Leonardo workshop we experiment with a wide variety of materials and building ideas. Many can easily be recreated yourself, and some of them can be experienced in workshops in our Leonardo workshop for students and adults.

The idea of using paper strips to build artistic bodies comes from the origami paper folding technique.

To make other geometric, Platonic, Archimedean or other solids with strips of paper.

The number of stripes results from the number of surfaces and connections between the surfaces. For triangles and pentagons, the length of the strip is the number of sides multiplied by two.

If you have succeeded in creating a geometric body, I would be happy to receive a report with a photo:franz@wieser.at