

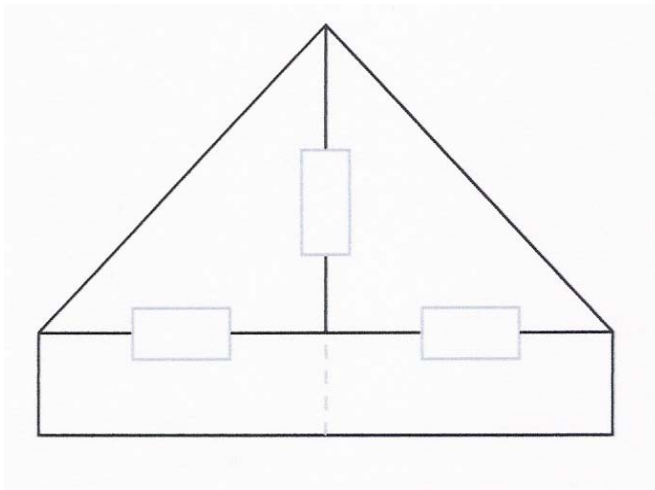
Flights of Fancy

Leonardo would have had to wait several centuries to see his glider fly, but you can make one that will fly right now. All you will need is a sheet or two of A4 paper or card, a pair of scissors, some sticky tape and a little patience. Here are four classic glider designs for you to make and fly.

Glider 1

1/ Fold your A4 sheet of paper or card width wise and then open it out again.

2/ Fold down two corners so that they meet perfectly in the middle, see diagram top right. (Hold the flaps down with small pieces of sticky tape.)

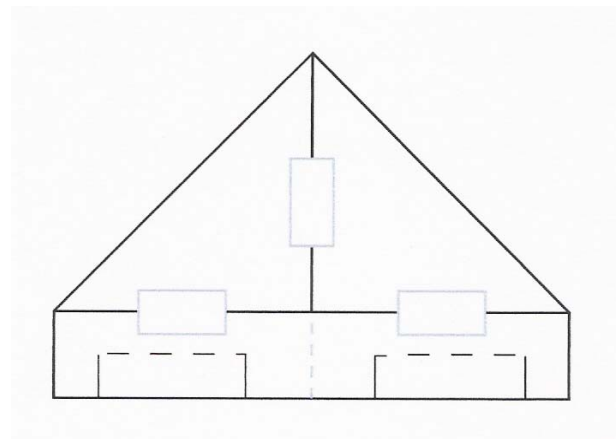
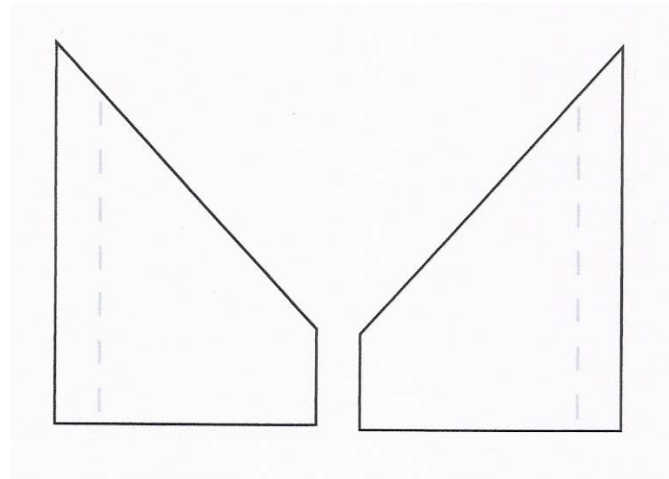


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3/ Fold the paper along the original crease once more before adding additional folds to create the “body” of your glider.

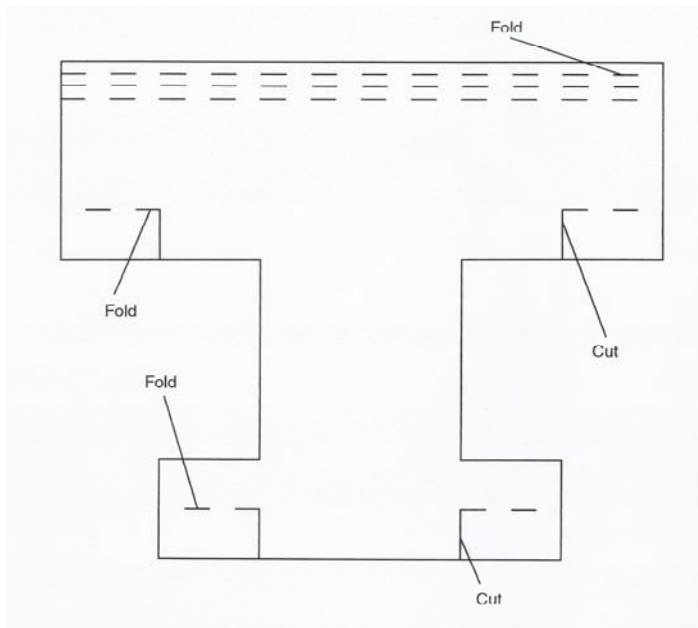
4/ Use sticky tape to hold your glider together in flight. Add control surfaces to the wings by cutting and folding along the lines indicated. (These will allow you to steer the glider through the air.)

5/ Your glider should now look like this (above) and is ready to fly.



Glider 2

1/ Copy this shape on to a sheet of thin A4-sized card and cut it out.



2/ Fold back the leading edge of the wing in 1 cm steps as shown and fix down the final fold with sticky tape. (This will stop the glider from rearing up and stalling in flight although you may have to experiment to find the ideal number of folds required to do this.)

3/ Now add control surfaces to your glider by making a total of four cuts as shown and then folding the resulting sections.

Your glider is now ready to take to the air.

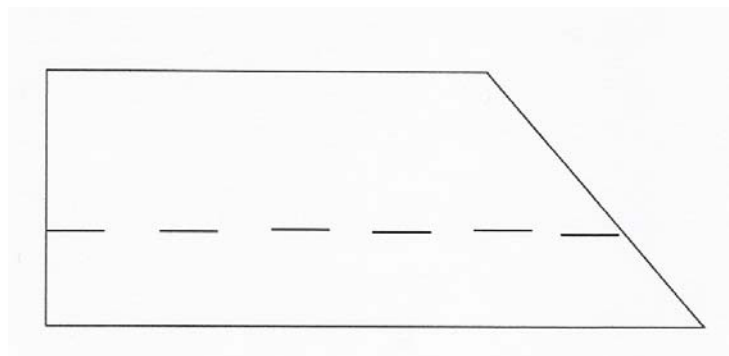
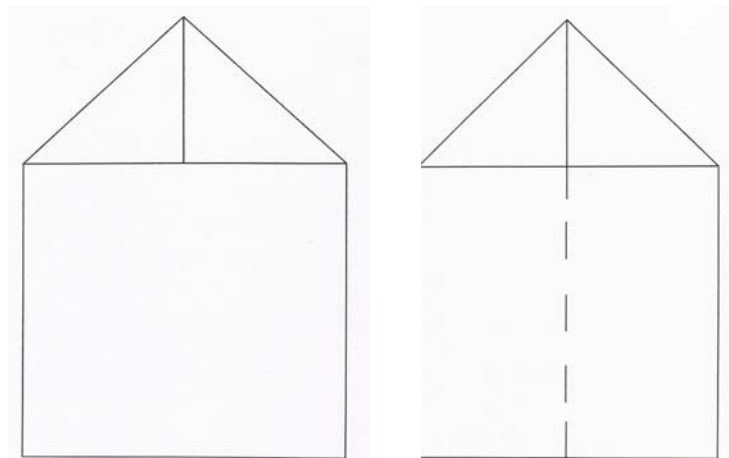
Glider 3

1/ Fold over two ends of your piece of paper as shown top left diagram

2/ Fold your paper in half in the opposite direction down the centre line along the dotted line (top right diagram)

3/ Now fold down along this dotted line to create the wings and the fuselage (bottom diagram)

4/ Your glider is now ready to fly. You may find you get even better results by adding paperclips to the nose of your glider.



Glider 4

This glider is really a kind of helicopter that mimics the movements of nature.

1/ Cut away lengthwise one third of your piece of paper and then cut the remaining strip along the lines indicated below left.

2/ Fold over the bottom sections so that they meet in the middle like this. Hold the ends down with sticky tape.

