

WOW!

The longest flight route for a passenger jet is between Singapore and New Jersey, US. It is 9,534 miles.

Make a powerful paper plane

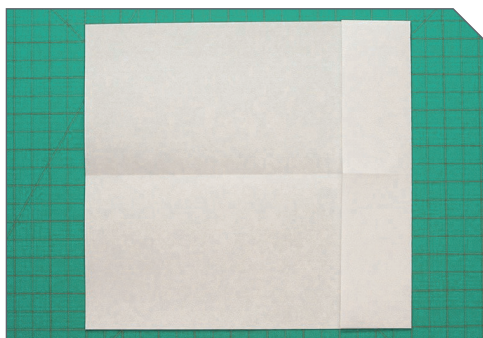
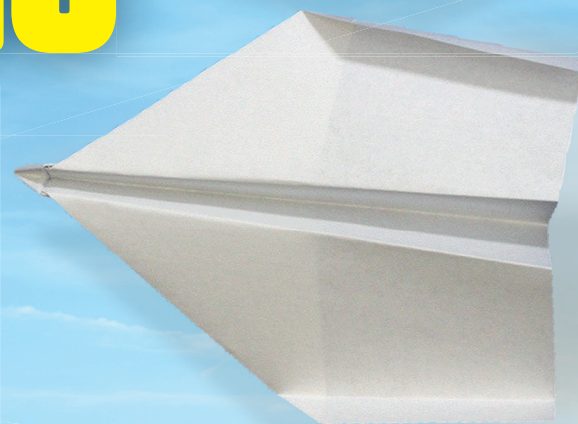
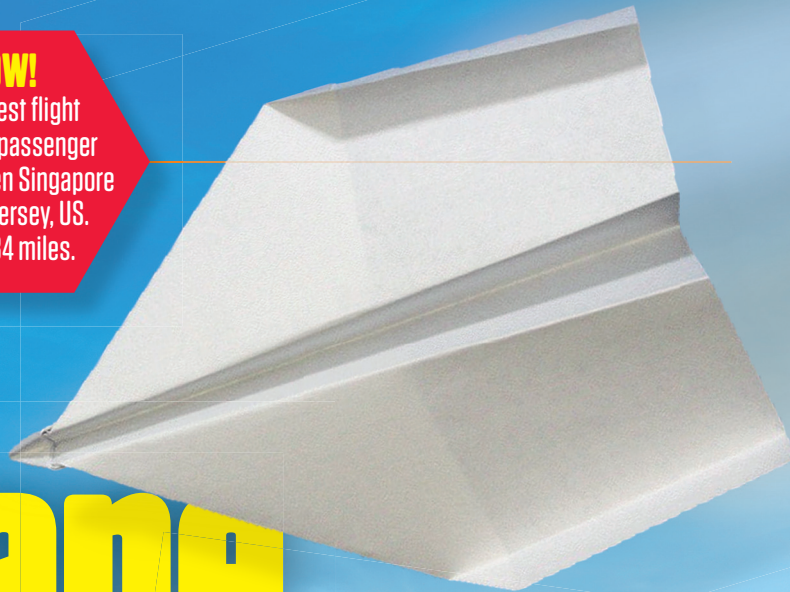
Discover a clever design that flies fantastically far.

What you need

- One sheet of A4 paper
- Ruler

How does it work?

Paper was used a lot during the early history of human flight. For instance, the Montgolfier brothers in 18th century France used it when they were developing hot-air balloons. This paper plane is easy to build and can be very effective, particularly if you're looking for a design that will give a nice long flight. Unless you're incredibly good at throwing, however, it's unlikely to trouble the world record for farthest flight by a paper aircraft, which was set in 2012. Joe Ayoob and aircraft designer John M. Collins created a plane from one sheet of A4 that travelled 69.14 metres. Let us know how far can your plane can go.



1 Fold the paper in half lengthwise and place it in front of you, as shown. Using your ruler as a guide, fold the far-right edge in by around 5cm.



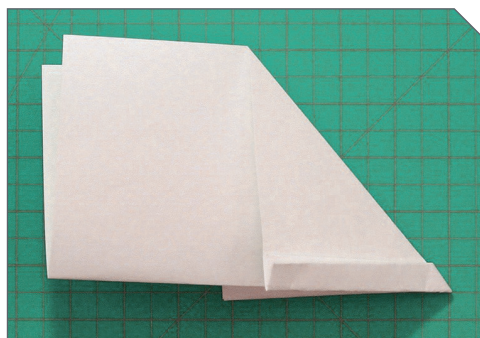
2 Fold the first fold in half, so that you have a quadruple layer of paper running down the right edge of your A4 sheet.



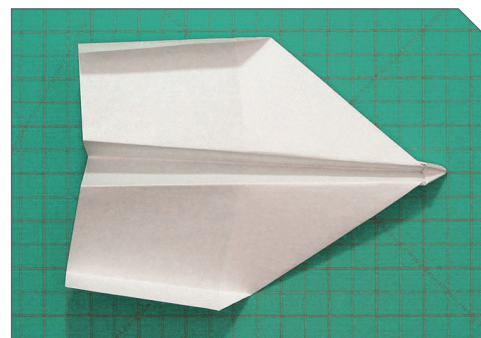
3 Fold in half once more, repeating the previous step to make a thick layer of paper on the right-hand edge of your paper.



4 Now, fold both the far-right corners to the centre fold of the sheet. They should line up neatly along the middle of the paper.



5 Bring the two square corners together by folding the paper in half along the centre line. Flatten the paper down on the surface.



6 Finally, bend the two flaps down to make wings. You can fold up the wing edges to give more stability. Now it's time for a test flight!

If you've enjoyed these activities, share the fun with other readers. Send your photos and videos to scienceandnature@dennis.co.uk. Look out for an "egg-citing" set of Easter activities in the next issue.