

Adobe SUMMIT

Suzanne Glider Paper Airplane

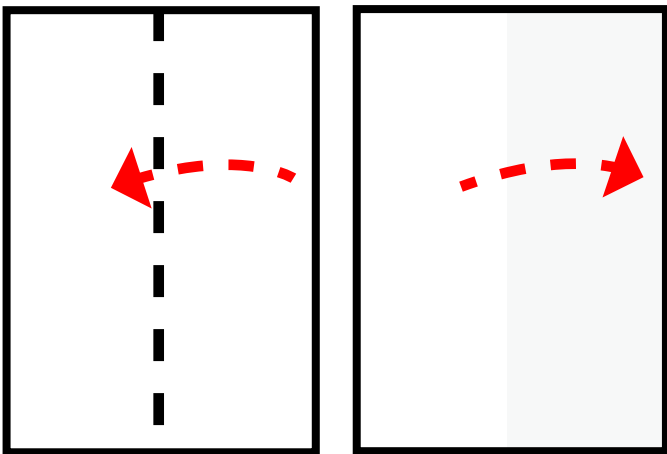
Follow the steps below to create "The Suzanne Glider," the current world record holder for longest flight distance.

Materials: scissors, tape, ruler, folding tool (optional), folding mat (optional).

Begin by selecting your paper. Printer paper (20 lb., 8.5"x11") works well for this design. For a sturdier construction, use 24 lb. paper.

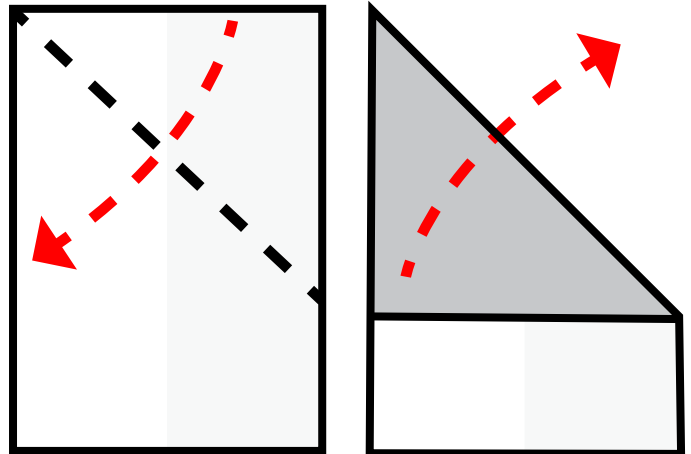
Step 1:

Fold the paper in half along the vertical axis. Unfold.



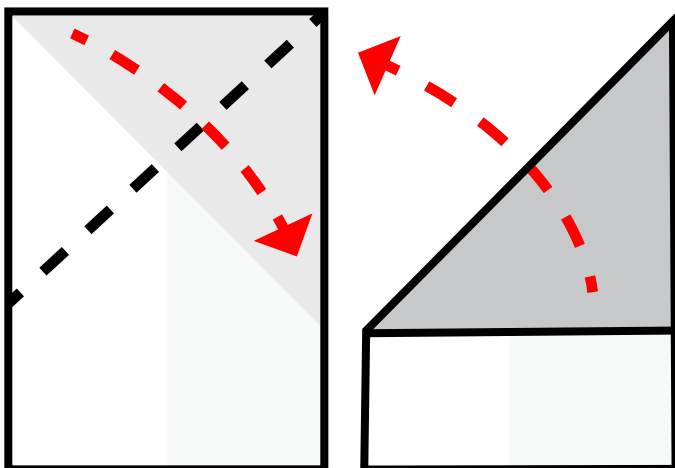
Step 2:

Fold the top right corner to meet the left edge of the paper. Unfold.



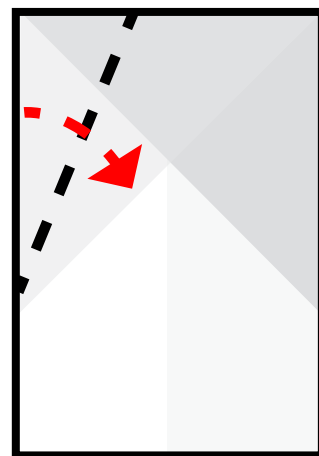
Step 3:

Fold the top left corner to meet the right edge of the paper. Unfold.



Step 4:

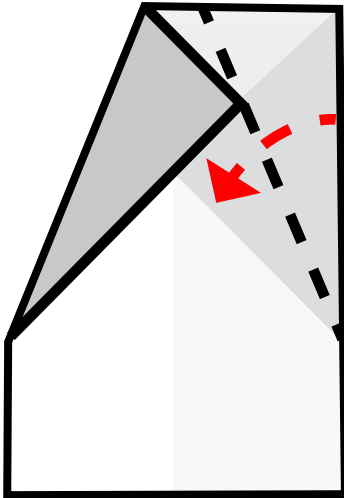
Fold the left corner to the diagonal crease created in Step 1.



Adobe SUMMIT Paper Airplane

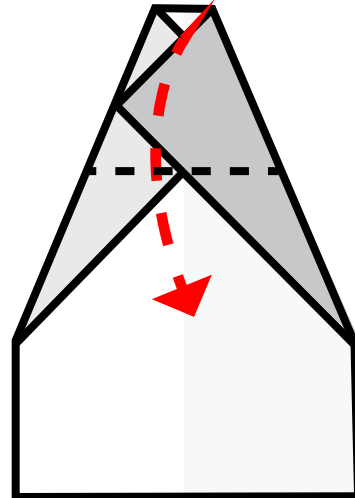
Step 5:

Fold the right corner to the diagonal crease created in Step 2.



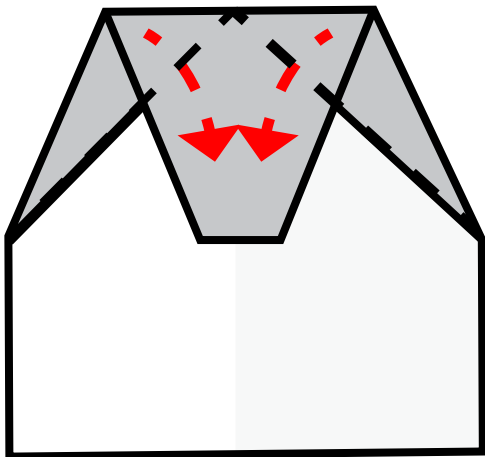
Step 6:

Fold across the horizontal axis where the two diagonal interior edges intersect. The creases at the top should align with the diagonal interior edges.



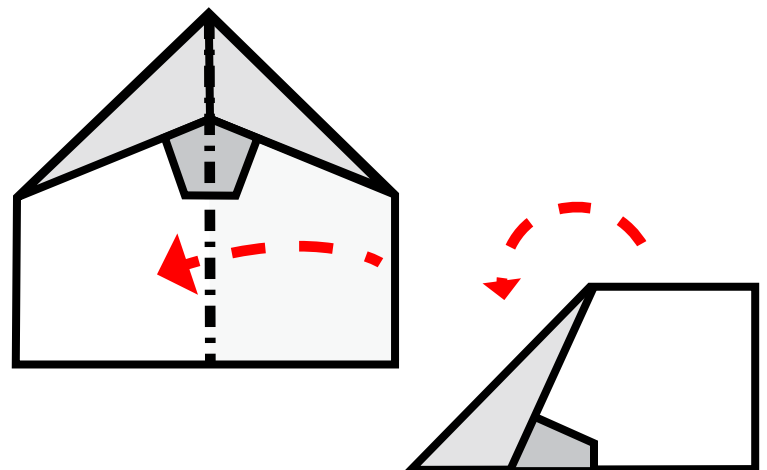
Step 7:

Fold the top right and top left corners into the center crease.



Step 8:

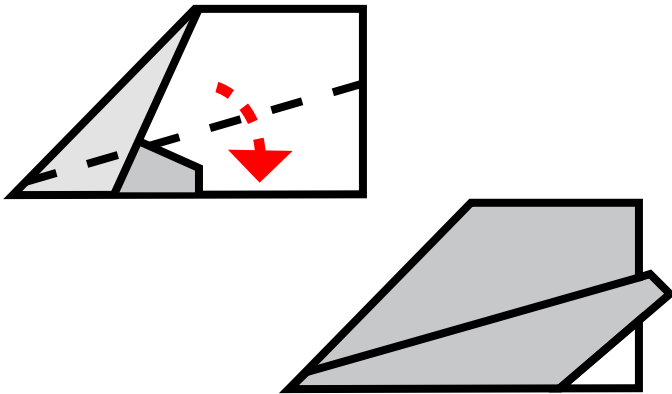
Fold the plane in half backwards along the center crease. Rotate so that the bottom crease becomes the bottom edge.



Adobe SUMMIT Paper Airplane

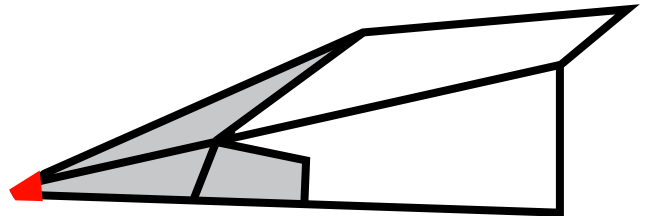
Step 9:

Fold the left diagonal flush with the bottom crease to create the wing. Repeat with the other side.



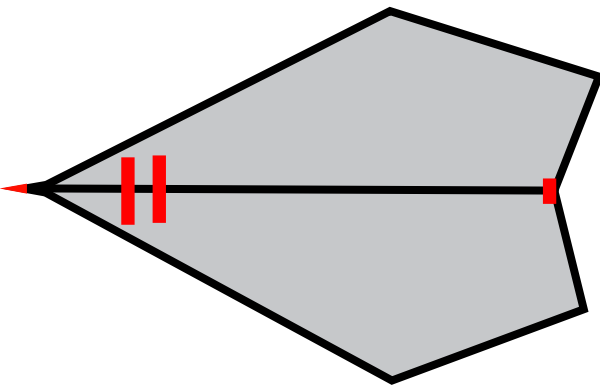
Step 10:

Pinch the nose of the plane together slightly, then adhere with a small piece of tape.



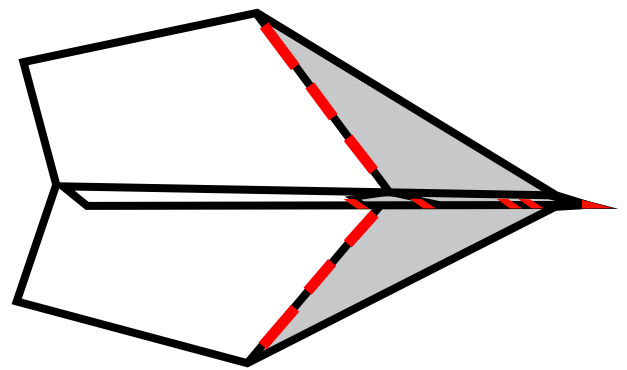
Step 11:

Along the top of the plane place three more pieces of tape. Two towards the nose and one at the tail.



Step 12:

On the underside of the plane, attach four pieces of tape along the grip, and three pieces along the underside of each wing.



Now you're ready to fly!

Here are some tips for optimal flight.

Symmetry is key — whether it is folding, tape positioning or length, try to keep each side as even as possible.

Hold the grip of your glider at the thickest part (the area with the most layers) before launch.

When launching the glider, release at a smooth acceleration, with the wings level.

