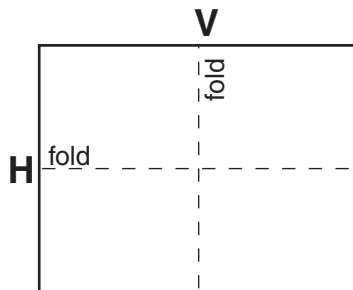
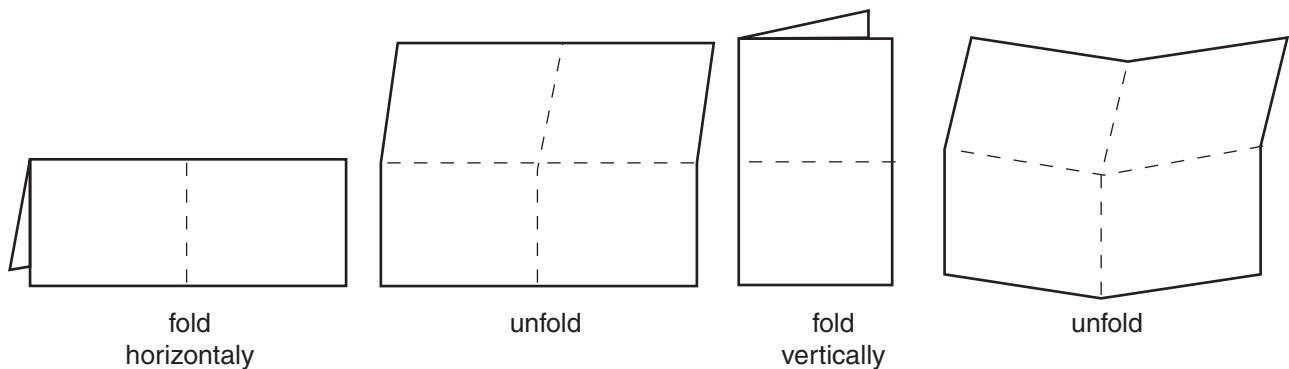


Condor Paper Airplane

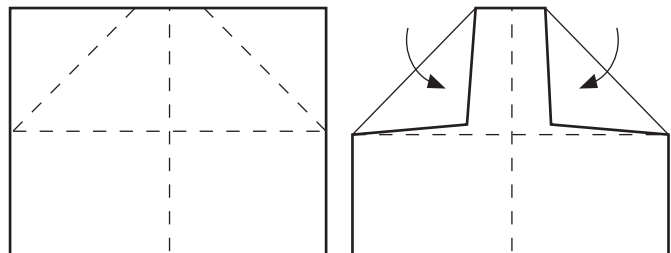
Condors have large feathers at their wingtips for control. Instead of feathers, this airplane has winglets. Because of its wide wing span, this paper airplane is fragile where the wings meet the fuselage. Adjust the winglets and bend the airplane to adjust the trim.



1) Use a full sheet of photocopy paper (see the template attached). Mountain-fold the paper in half horizontally. Unfold. Then valley-fold it in half **V**ertically to the first fold. Unfold.

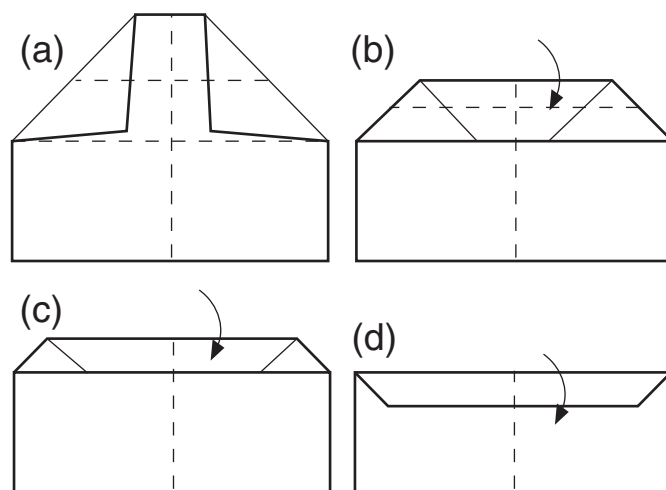


2) On the two top corners, valley-fold the top corners diagonally so that the outer edges meet the **H**orizontal crease.

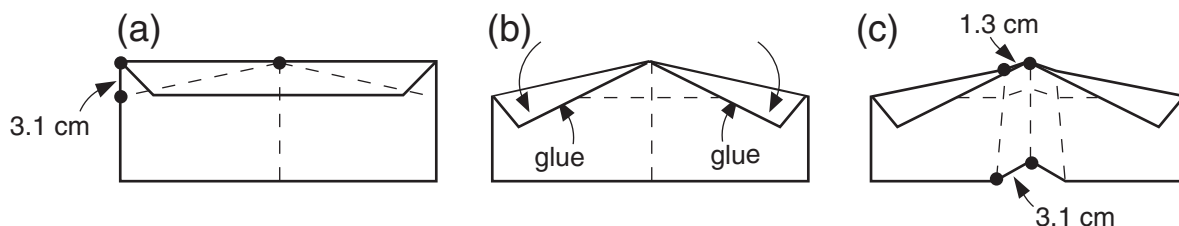


Condor Paper Airplane

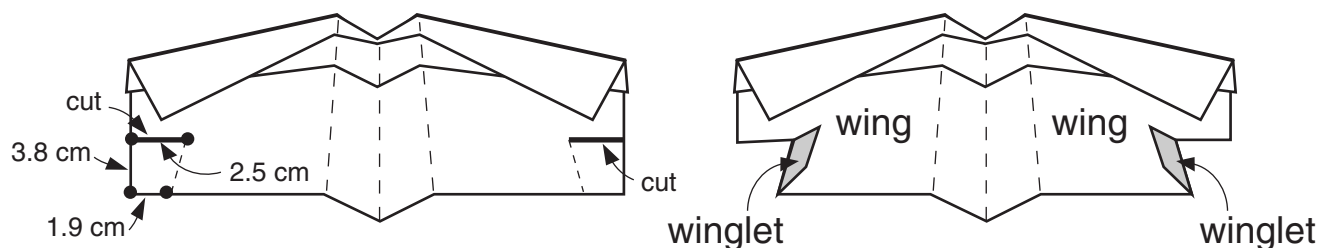
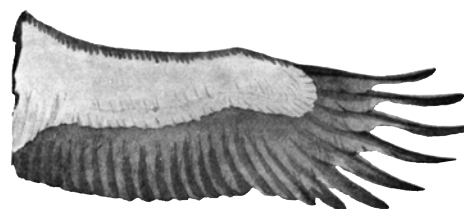
- 3) (a) Make 2 valley-folds bringing the top corners to the horizontal crease. (b) Make another valley-fold so that the top edge meets the horizontal crease. (c) Fold down once more as shown. (d) Fold down once more as shown.



- 4) (a) On each side of the step-1 vertical crease, measure and draw diagonal lines as shown. (b) Valley-fold the top outer edges along these lines. Unfold. Glue the underside of the folded-over triangles to form the leading (front) edges of the wings. (c) Then measure and draw lines as shown. Valley-fold along these lines to form the fuselage.



- 5) Measure and draw the lines for the winglets as shown (see the template). Valley-fold as indicated to make the winglets.

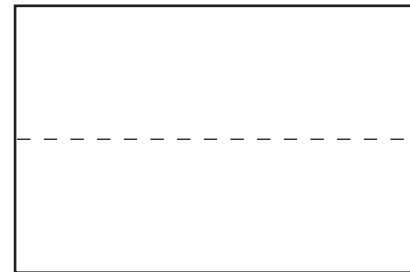


Condor Paper Airplane

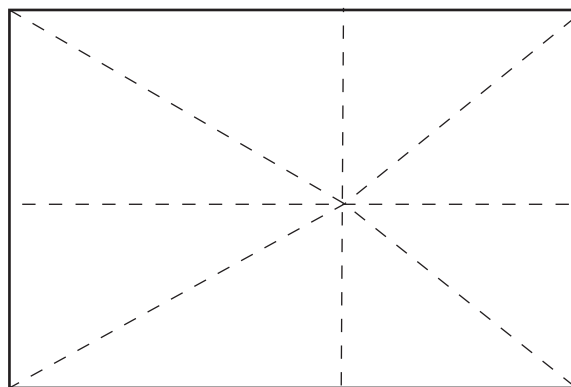
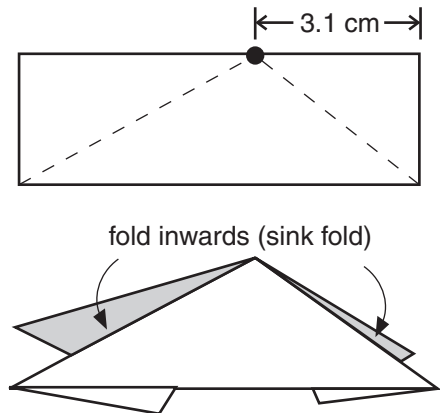
The Condor airplane has an optional design feature called a canopy.

6) Using the template below, begin to construct the canopy as shown in the instructions a) through c).

a) Measure and cut a 5 cm x 7.5 cm rectangle from paper. Lay the paper flat. Use a mountain-fold to fold it in half lengthwise.

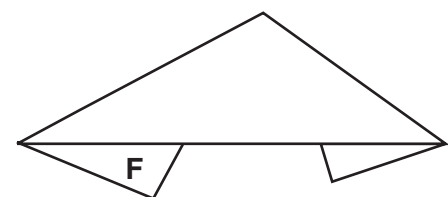


b) Measure the top point as shown, and draw diagonal lines to the corners. Then, with the paper folded in half, as in step-1, sink-fold the corners. (A sink fold changes part of a mountain-fold into a valley-fold).



template

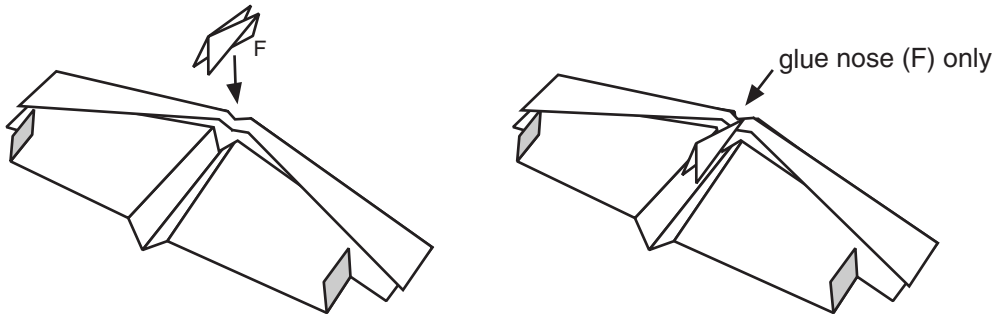
c) Press the canopy flat to finish.



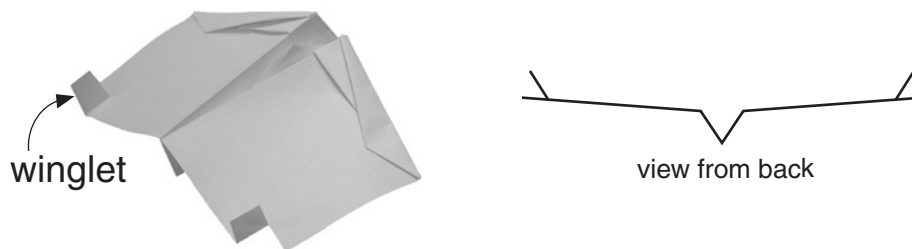
faces front (F)

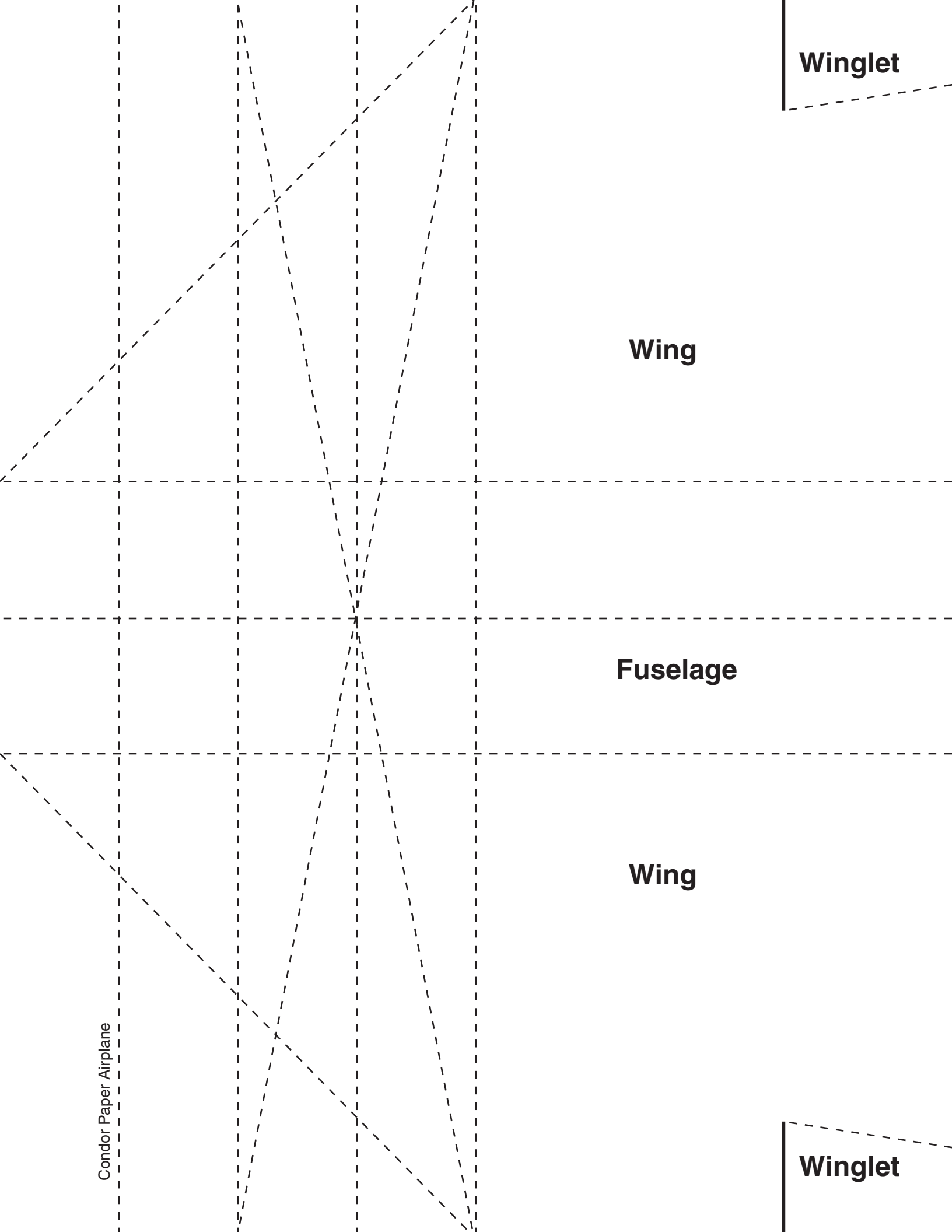
Condor Paper Airplane

Apply glue to the inside of the nose only (F) and insert the canopy. Align it with the nose of the plane.



Adjust the shape so that the wings have a slight dihedral angle (upward slant) and the winglets slant upward, as shown.





Condor Paper Airplane

Wing

Fuselage

Wing

Winglet

Winglet