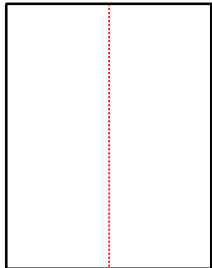


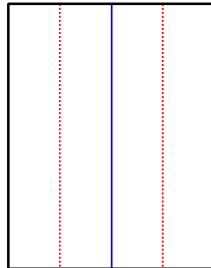
NEBULA CRUISER

This cool paper airplane was my first complete design. It came about when I was trying to build an interesting paper airplane I had gotten off of the internet; but had my paper turned wrong for the first folds. Instead of throwing the paper away I decided to make a fun paper airplane of my own. It flew so well I was inspired to continue with more paper airplane designs.

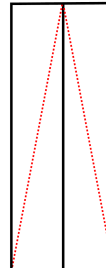
Note: Red lines are for folds, blue lines indicate existing creases.



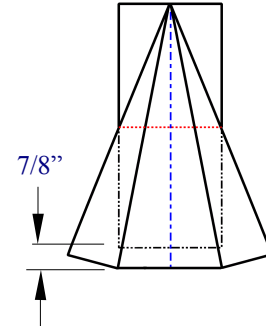
Step 1
Fold paper in half long ways and crease. Unfold.



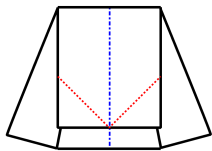
Step 2
Fold both edges to center crease.



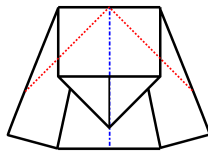
Step 3
Fold flaps out where shown.



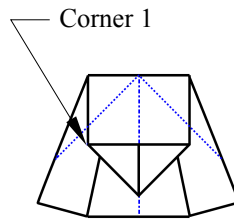
Step 4
Fold top down to 7/8" from bottom edge.



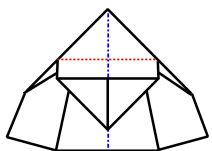
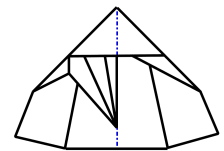
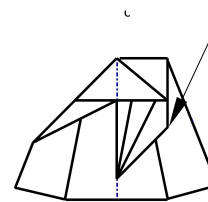
Step 5
Fold corners up to meet at centerline.



Step 6
Fold top corners to centerline. Crease well. Unfold .



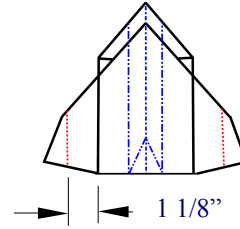
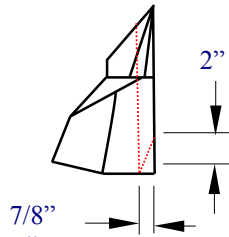
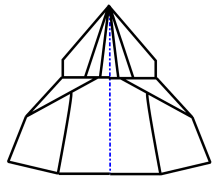
Step 7
Grab Corner 1 and fold along centerline stretching out the left crease made in Step 6. Flatten well. Grab both halves at Corner 2 and fold back to the left along centerline. Flatten well. Return the top half back to the right.



Step 8
Fold nose flap up as far as possible. Flatten all folds well.

Paper Airplane Flying Instructions

Make sure wings are level and fins are straight up. Throw level at a "medium" speed. If plane flies nose up and then drops, make a small downward bend on the elevators made in step 12. If plane flies straight but with constant drop bend elevators up slightly. Type and weight of paper can change how planes fly. If plane is still not flying well try bending the wing fins from step 11 down. If plane flies but curves to the right move right elevator down slightly and the left on up slightly. If it curves to the left do the opposite. I use 24-lb. smooth paper but have tried this plane on other paper with good results. The 7/8" dimension used in step 4 can be adjusted to change flight characteristics of the plane. Increase or decrease 1/8" to 1/4" and find what dimension works best for your paper. This plane can climb for long flights or fly straight and level. Experiment and have fun.



Step 9

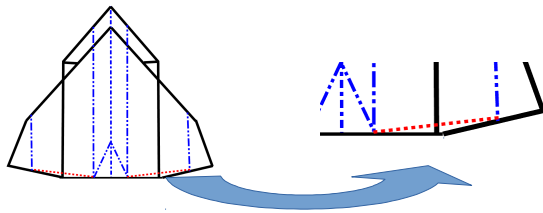
View after step 8. Fold plane in half with nose flap on outside.

Step 10

Fold wings over 7/8" from centerline. Fold tail 2" from bottom edge as shown. Crease and unfold. Push tail into center of body.

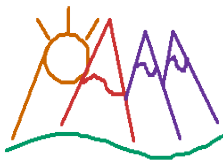
Step 11

Fold fins up 1 1/8" from reference edge shown.



Step 12

Fold rear edges up and crease as shown. Unfold. Fold over to other side and crease. Unfold and smooth back straight. These folds are so small that it is easier to use two rulers to make them. This step is very important because it creates elevators to adjust plane. Also it relieves natural warp that may be there due to folds. This natural warp will act like ailerons causing the plane to curve to one side.



*Have Fun
Pat Morgan
patsplanes.com*

The cool paper airplane site!

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