

The Hammerhead

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

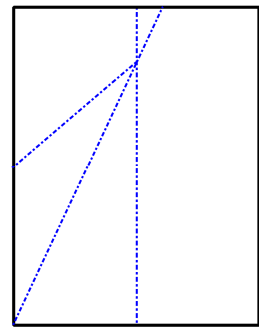
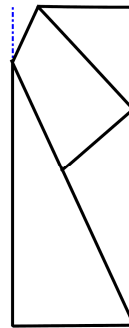
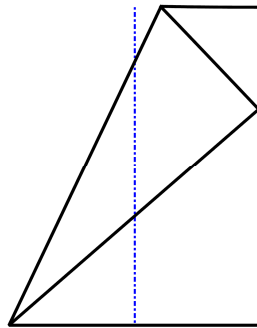
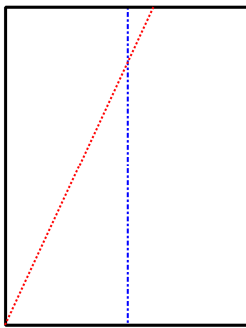


Step 1

Fold paper in half long ways and crease. Unfold.

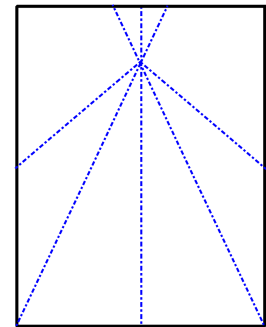
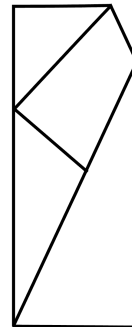
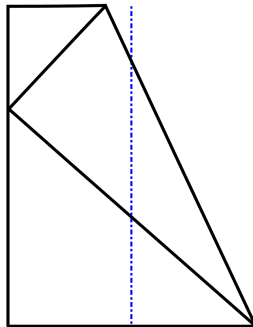
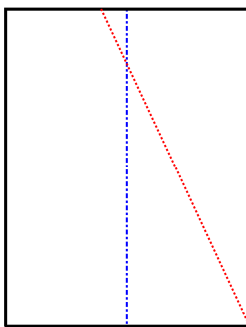
The Hammerhead

The hammerhead can be made into two totally different planes. A nice typical glider, and a very straight dart. For those who skip the text and went straight to the planes a dart is a plane that is thrown hard and flies straight with very little lift or drag. The glider has a much more gentle flight and should stay in the air longer, since it is able to produce more lift at slower speeds. The glider is also the best choice for aerobatics. The hammerhead dart requires heavier (24-lb.) paper to fly well. Even then it can be temperamental and requires both good symmetry and well flattened folds. But when it works it is the straightest flyer I have seen, able to hit small targets at 25 feet. The glider is much more forgiving and makes a good plane on 20-lb. as well as 24-lb. paper.



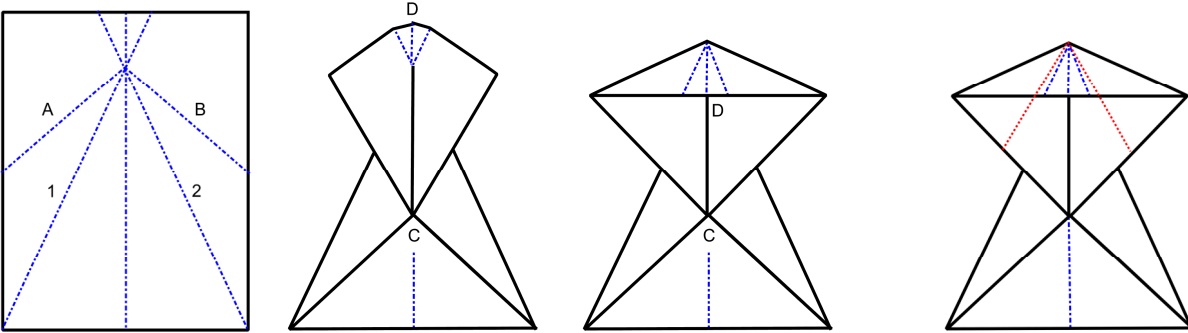
Step 2

Fold upper left corner so that it touches right edge and the crease ends at the lower left corner. Refold at center crease (a ruler or straight edge is a plus here). Unfold both folds.



Step 3

Repeat step 2 instructions for right side.

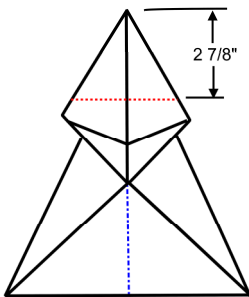


Step 4

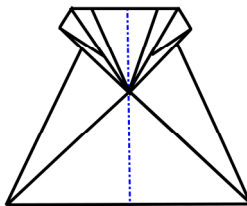
Refold along creases 1 & 2 bringing lines A & B to meet at center. Now hold down at Point C with one index finger and use the other index finger to flatten creases from C towards D. This should allow the top part of the paper to fold over on itself. Make sure center creases are aligned at D and flatten well.

Step 5

Fold top flaps over to centerline. Flatten all folds well.



Fold edges back for glider.
(Smooth side inside)
Fold edges forward for dart.
(Smooth side outside)



Flight Instructions

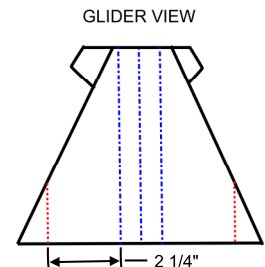
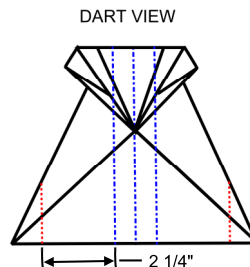
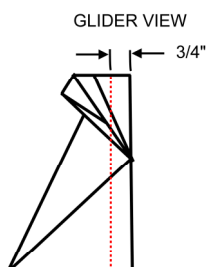
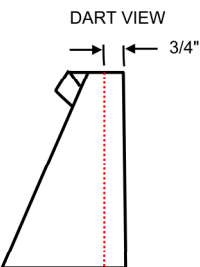
Make sure wings are level (or slightly up) and fins are straight up. Throw level at a "medium" speed for glider. Dart should be thrown hard and level. Trim glider per general instructions. Dart is hard to trim and better luck may be had by adjusting 2 7/8" dimension in step 6. These adjustments should be made at no more than 1/16" at a time. If nose goes down make dimension bigger, if nose goes up make smaller.

Step 6

Fold nose down 2 7/8" from top. Flatten all folds well. This dimension is critical for dart.

Step 7

Fold in half at center. See next step for which side goes in. Glider goes one way, dart the other way.



Step 8

Fold wings over 3/4" from centerline.

Step 9

Fold fins up 2 1/4" over from wing crease as shown.