

THE DUYFKEN PAPER MODEL (PRINT ON A3)

INSTRUCTIONS

You will need:

scissors and/or hobby knife
gluestick or sticky tape or double sided sticky tape
colouring pencils, crayons, or felt-tip pens
9mm timber dowels for masts
6mm timber dowels for yards
hacksaw & drill (and an adult's help!)
block of floral foam or dry block
nylon string

1. Colour in the hull sides, transom and the decks.
2. Cut out the transom and hull sides joined to the bottom. Cut from the pointy bit (bow) back to where the lines intersect the bottom of the hull sides. The back is done in a similar fashion. Proceed to cut away and remove the grey portions to form tabs which will help to glue down the hull sides to the bottom.
3. Cut out the the four separate decks and make the holes in them for the masts.
4. Cut out and shape the foam to match the shape of the bottom of the ship.
5. Fold the sides and transom upwards from the bottom.
6. Use glue and/or sticky tape to join the sides together at the bow and to join the sides and transom at the stern.
7. Insert the foam and glue down.
8. Insert maindeck tabs *c*, *d* and *e* into slots on both sides of the hull.
9. Insert foredeck tabs *a* and *b* into slots, taking care that tab *c* does not come out.
10. Insert tabs *f* and *g* of the quarterdeck into slots in hull.
11. Insert poopdeck tabs *h* and *i* into slots on both sides of the hull.
12. Use a pencil to round out the holes in the decks and make holes into the foam below.
13. Place the length of 9mm timber dowel along the dashed lines indicating the lengths of the masts, mark out and proceed to cut. Drill a hole 2cm away from the ends on all three masts and on the foremast and mainmast 1 hole around the middle in line with the hole at the end.
14. Cut the length of 6mm timber dowel for the yards and drill 2 holes 1cm apart into each length approximately half way. (Use the diagram to help in determining the lengths required)
15. Insert the masts into their positions.
16. Cut four equal lengths of nylon string long enough to go from one side of the top of the hull, thru the middle hole in the mainmast and to the other side of the top of the hull; plus extra length to be able to tie knots.
17. Group the lengths of string together and tie a knot around the middle, thread the end thru the hole in the middle of the mast and make sure that the knot is big enough to stop the group of strings going thru. Then tie a knot on the other side of the hole to secure the strings from moving in or out.
18. Use a hole punch or sharp pencil to create the small holes along the sides into the marked positions to thread the shroud lines thru. (It helps to put sticky tape over them to reinforce the cardboard).
19. Take each shroud line and thread thru the holes in each side, tie a knot and cut off any excess string.
20. Follow the above steps to create the shroud lines for the foremast and mizzenmast.
21. The masts should now be more stable. Proceed to attach all the yards and using paper/cardboard draw and cut out the shape of the sails and attach them using sticky tape.

(If making sails out of fabric, you may want to drill extra holes into the yards in order to thread nylon string thru them)



