Medieval 'Cog' Ship

Before proceeding with this document, make sure you have read the beginners guide to card modeling included with this model set!
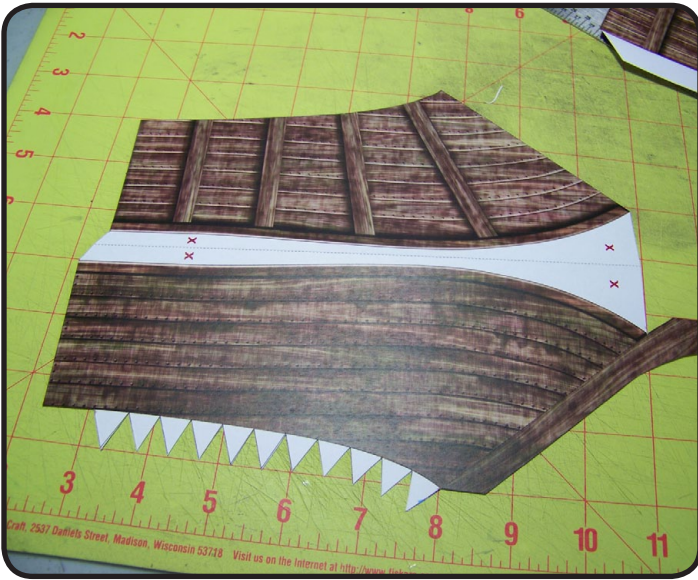
A note about layer options: There are a few weathering and color options for you to select from- make sure you are selecting the same options for each piece when printing (or just leave the default ones in place) so all of your pieces match.
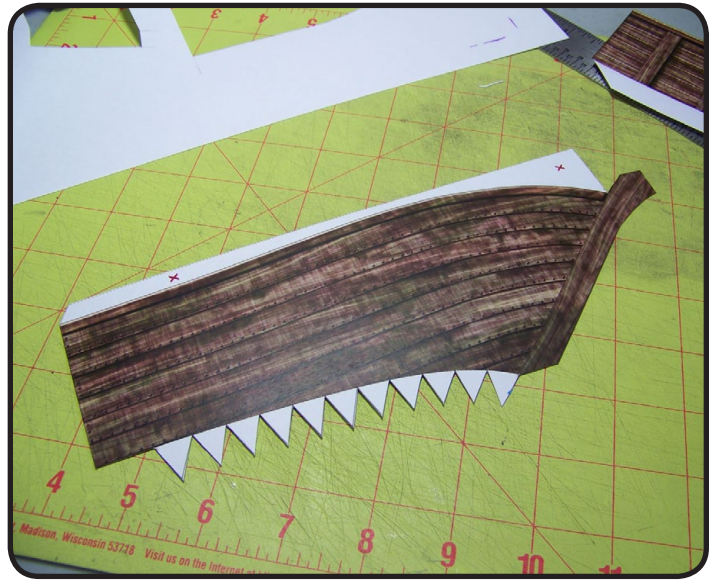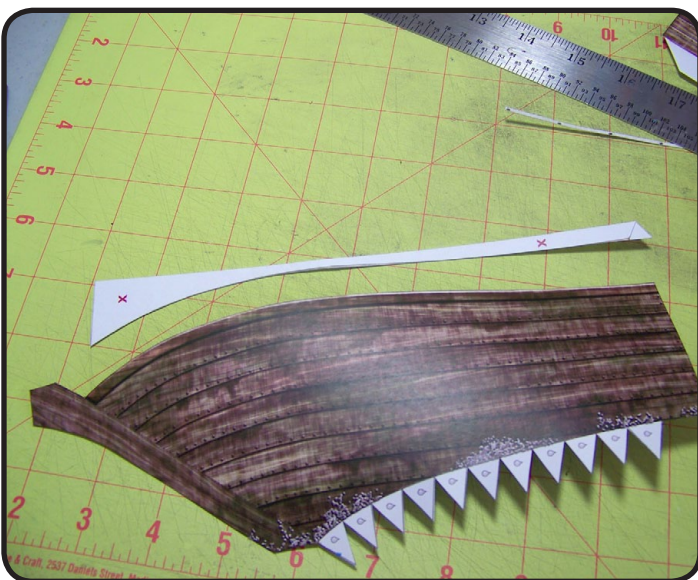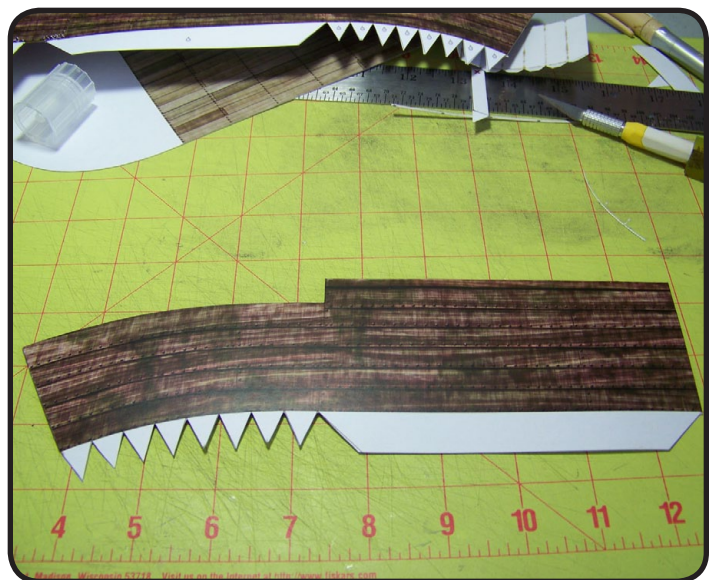
FAT DRAGON GAMES

MAIN HULL

1: Cut and score each of the four hull sections.
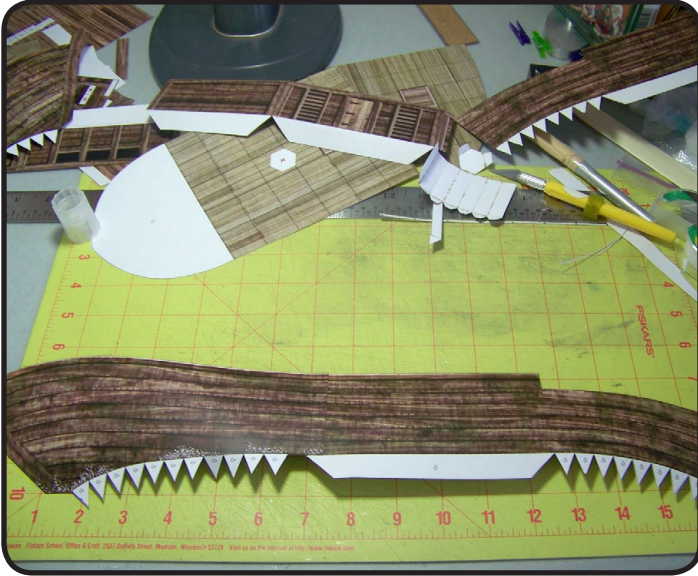

2: Fold and glue each section in half as shown.

3: Cut away the excess white areas once the glue has fully dried.
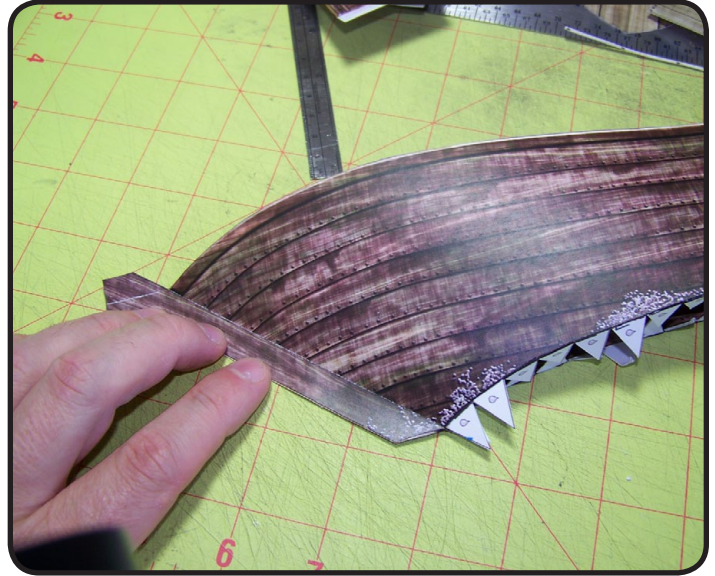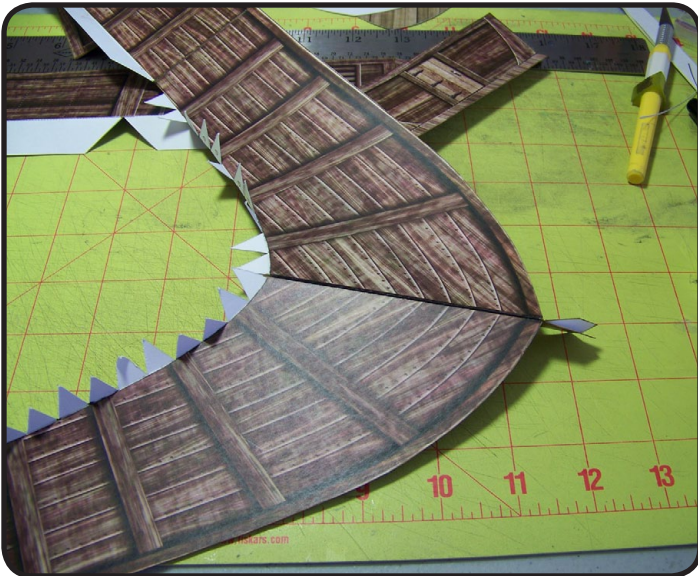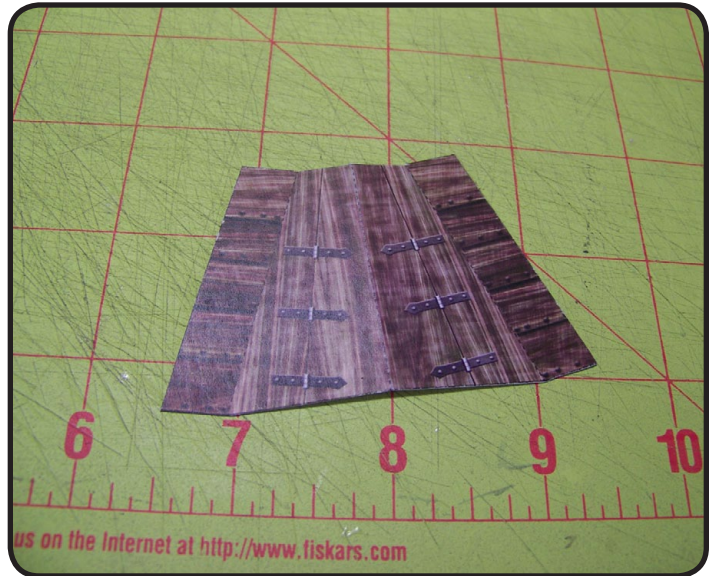

4: Repeat for all four sections.

5: Each side of the hull is made of two sections, glue these two strips together as shown for each side.

6: Begin gluing the two sides together by first gluing the front ends together.
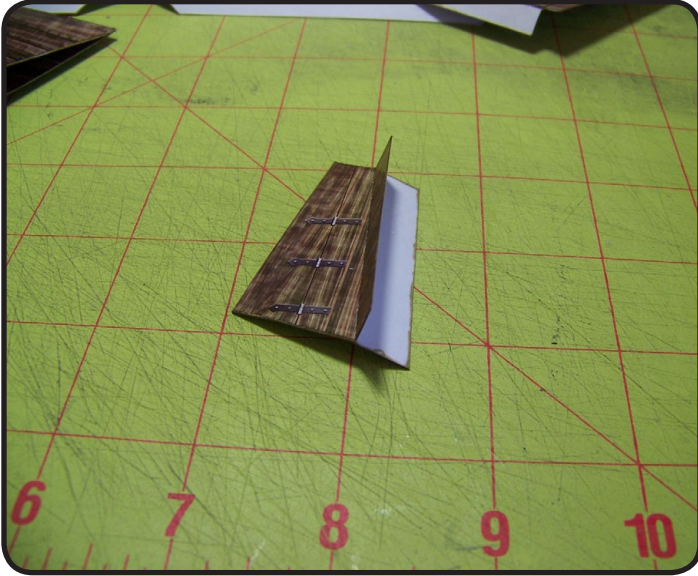

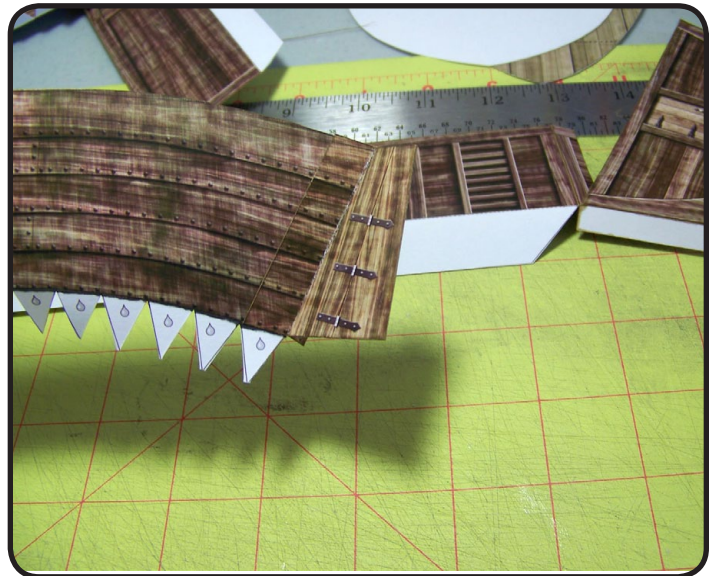7: This is what your front end should look like once dry.

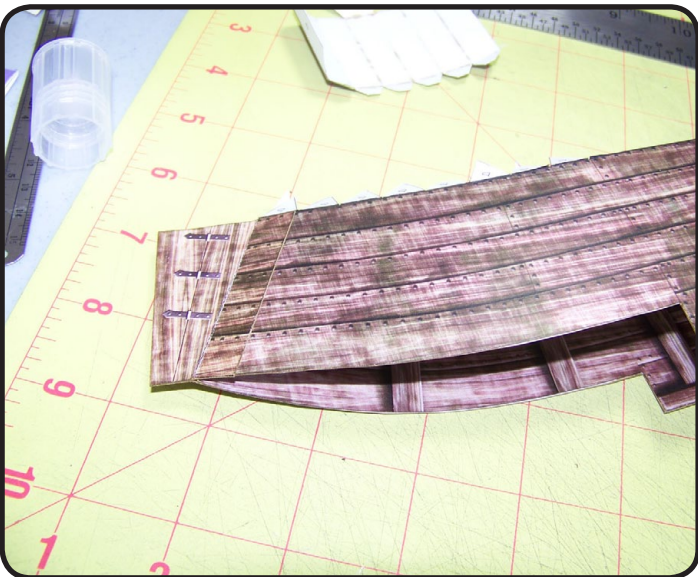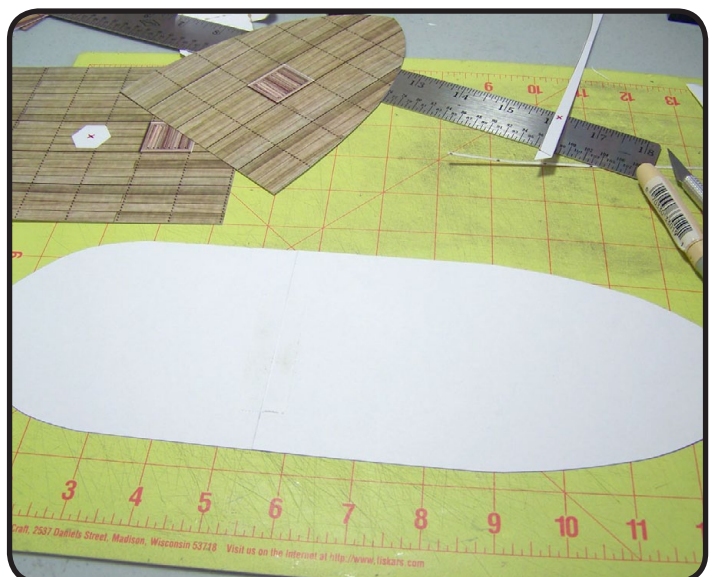8: Cut, score and test fold the rudder piece as shown.

9. Glue the center portion of the rudder as shown, leaving the end portions folded outward.

10: Glue one of the outer tabs on one side of the rudder to the rear end of one side of the hull.


11: Glue the opposite side of the rudder to the other rear hull edge, joining the rear hull ends together. Allow to fully dry.


12: The bottom deck is comprised of four pieces, two upper pieces (textured wood) and two lower pieces (black outline only.) Start by flipping the two wood textured pieces over and putting a small piece of tape on them to link them together.

13: The top two pieces glue on top of the bottom two (untextured) pieces as shown.
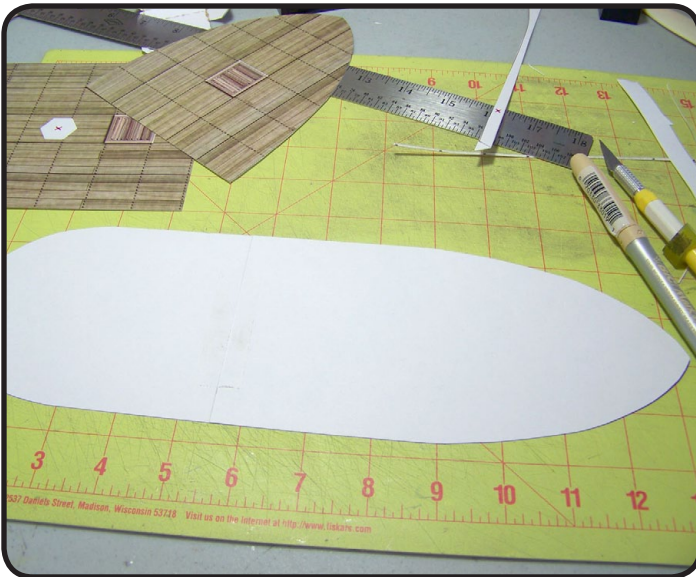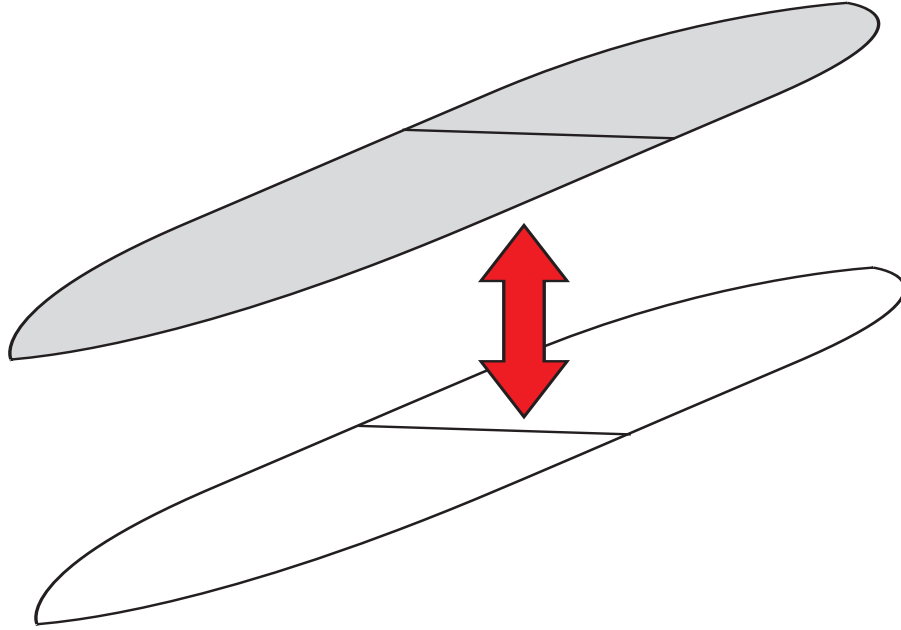
14: When glued together this is what the bottom of the piece should look like.
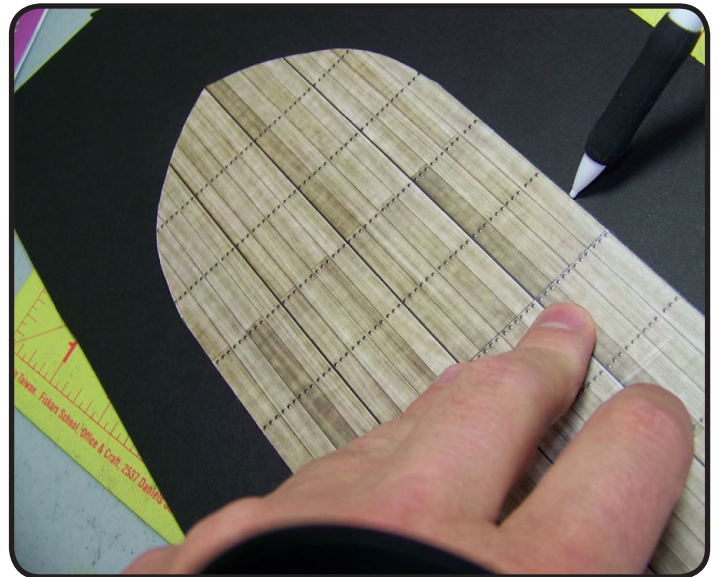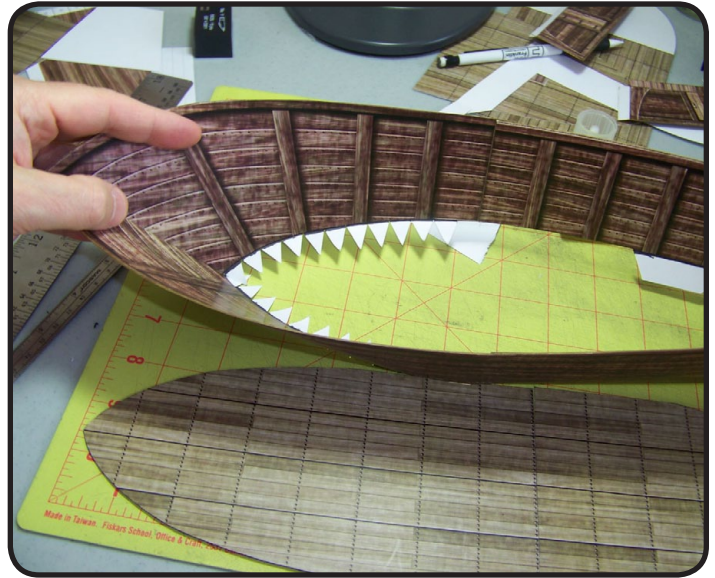

15: While not necessary, you may wish to make a foam-core base for your model to be glued to for increased stability. Use your newly assembled lower deck as a template to trace the outline on the foamcore at this time.
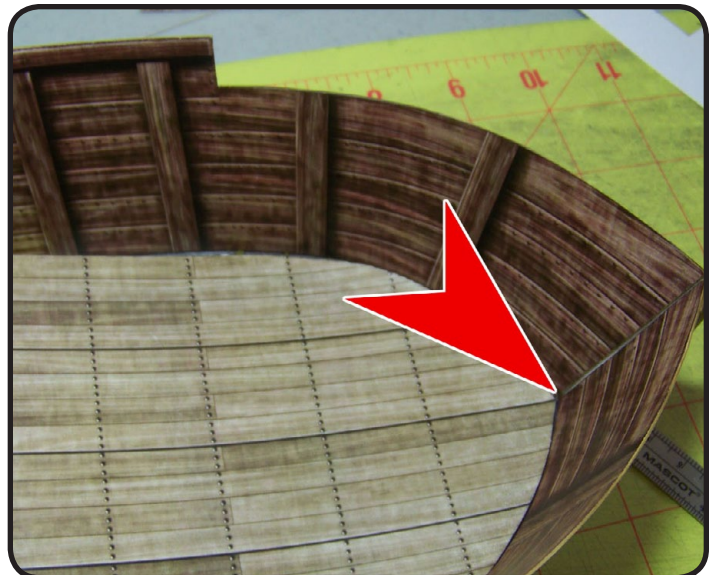
16: Set this piece aside for later.

17: Time to begin gluing the lower deck to the hull. Make sure all of the little tabs on the hull are angled inward.
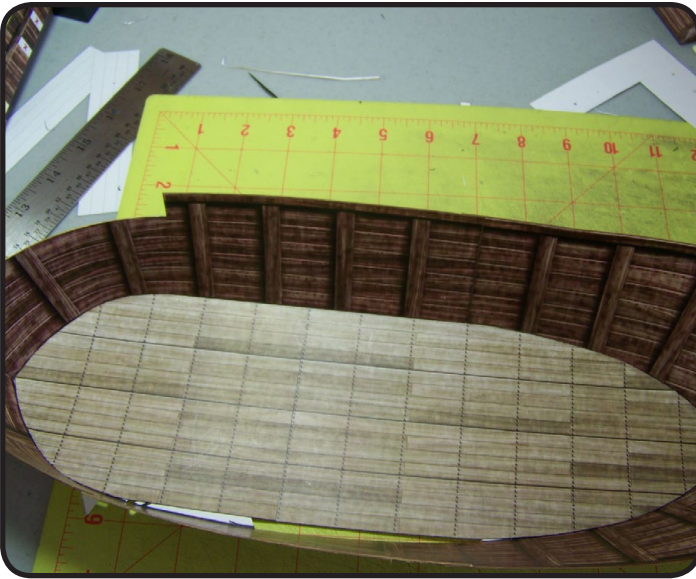

18: Start by gluing the first 4-6 (3 each side) tabs at the front of the hull only. Allow to completely dry before proceeding.
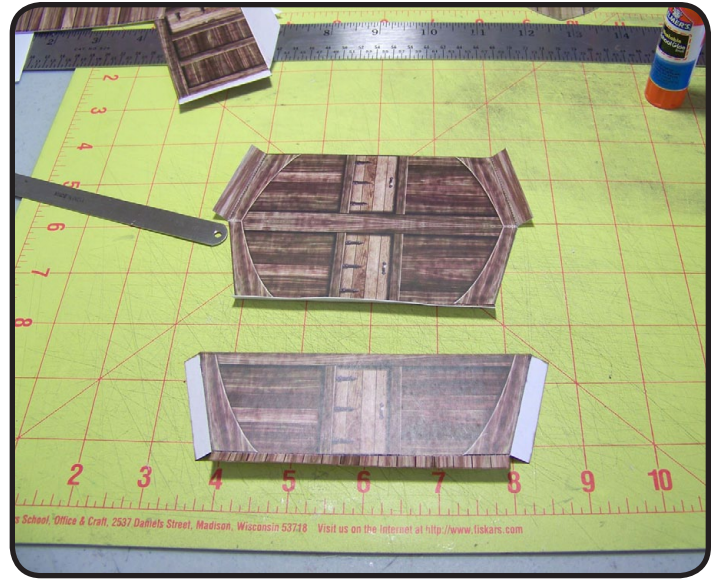

19: Repeat for the rear end of the hull (be patient, we'll glue the tabs in the middle later!)
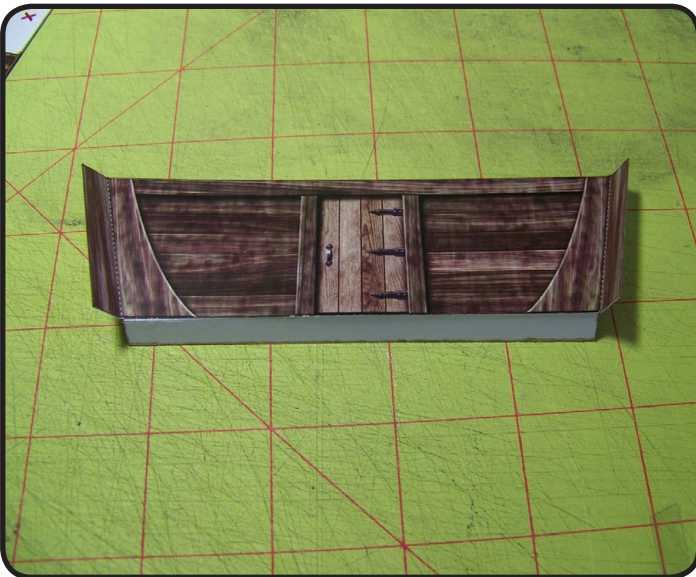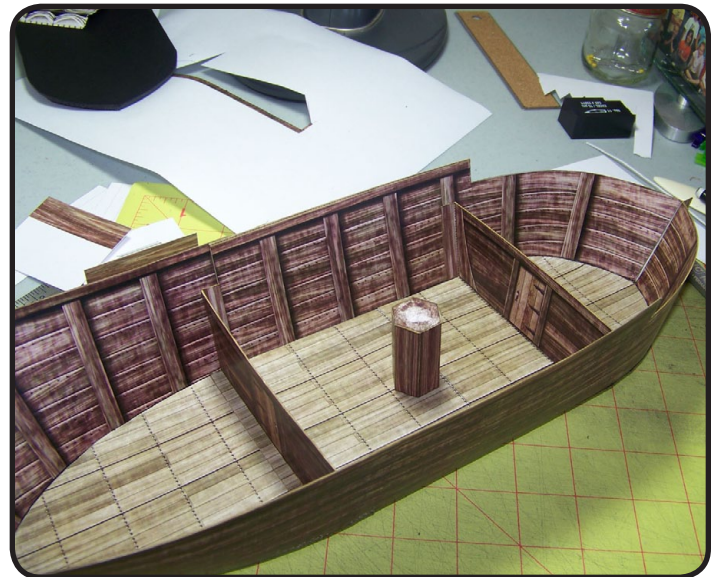
20: Once both ends are dry, glue the remaining tabs to the lower deck. Do one side, allow to dry, then do the opposite side.

21: Cut, score and test fold the interior bulkheads as shown above.
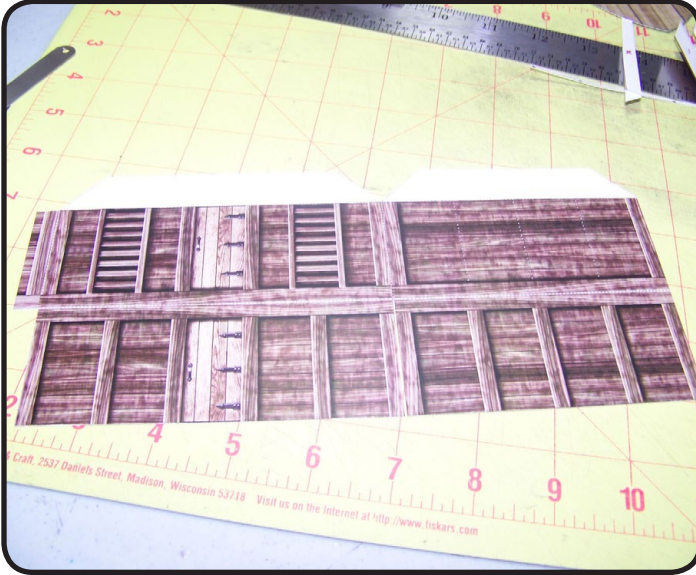

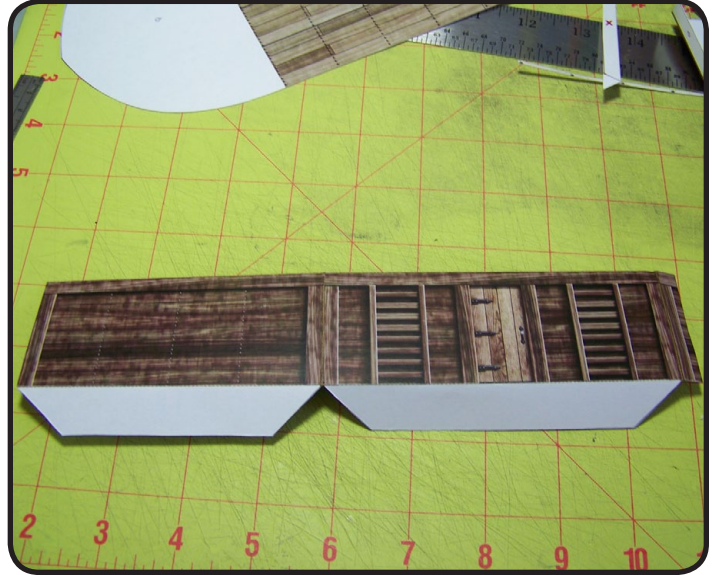22: Glue in half and allow to dry.

23: Glue the completed bulkheads in their appropriate spots (marked in white) along the hull sides. You now have the option of gluing the bottom foamcore piece (if you made one) to the underside of the ship. Optional water 'skirt' pieces are included to glue along the lower edges to hide the foamcore.
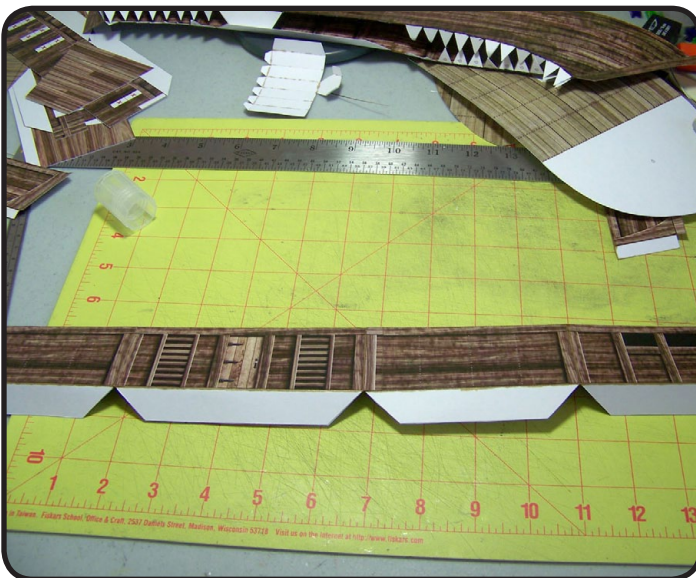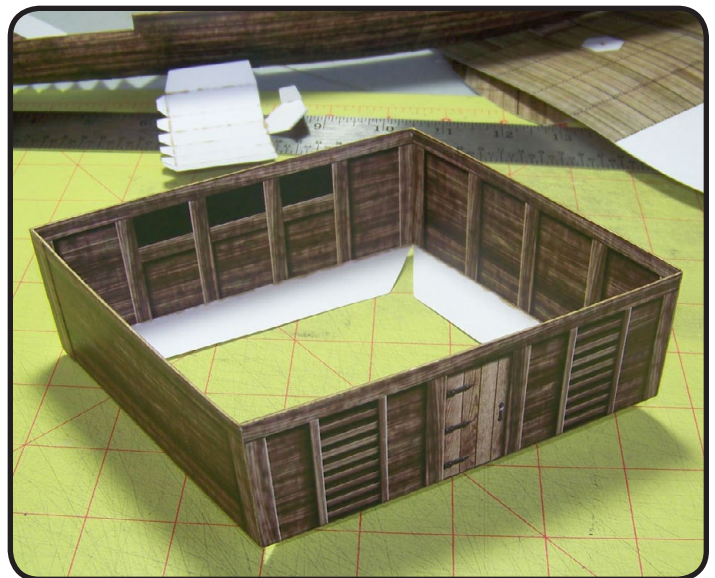
Sterncastle

1: Cut, score, yadda yadda yadda....

2: Fold each wall section of the sterncastle in half and glue.

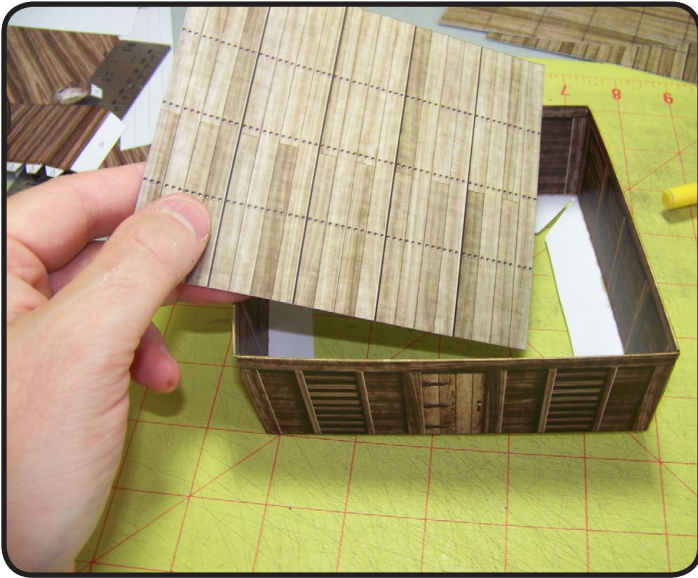3: Glue these sections in one long strip as shown above.
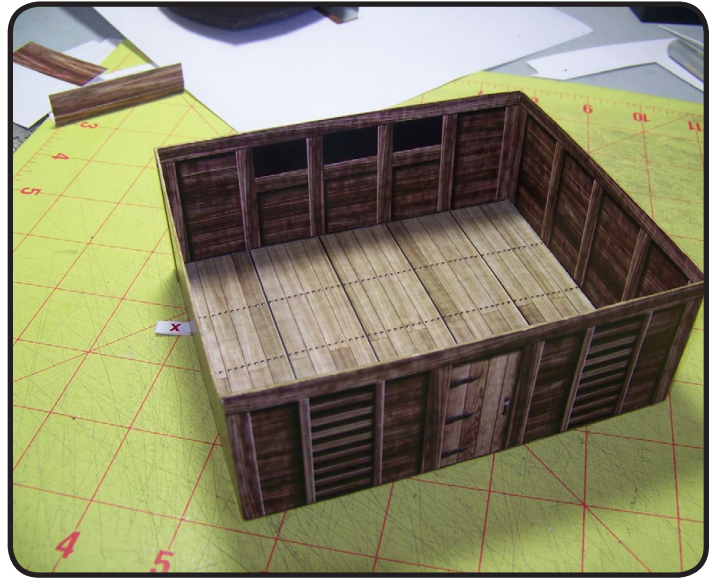

4: Complete by gluing the ends together forming the sterncastle box.
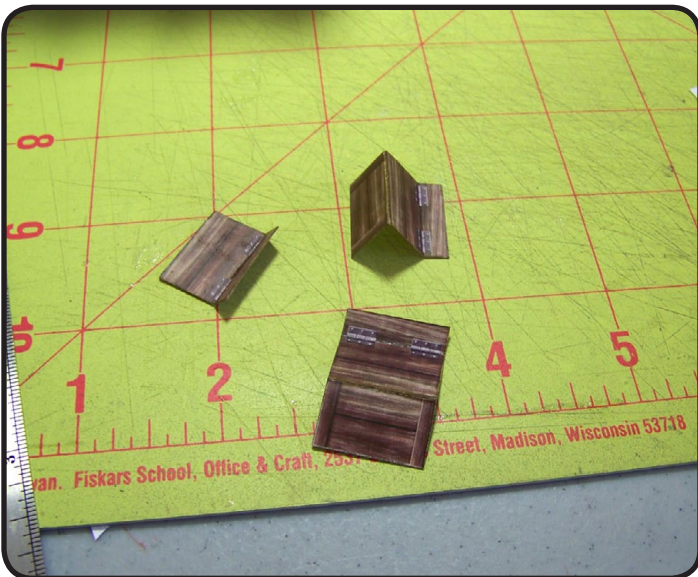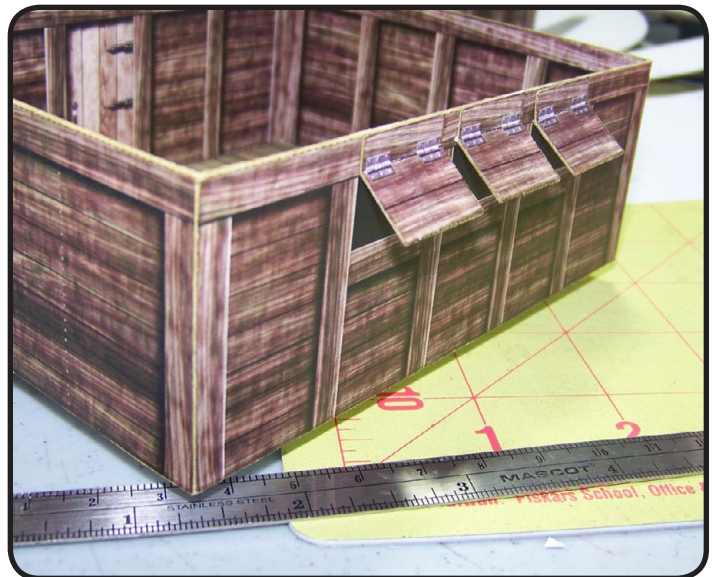
5: Before gluing, test fit the floor within the walls to make sure no trimming is necessary.

6: Glue the bottom in place within the castle walls.

7: Cut, score and glue the three shutters for the rear of the sterncastle.

8: Glue above each window opening as shown.

9: Glue the bottom face of the sterncastle into place. I forgot to take a photo of this prior to gluing to the deck, but it is the piece on the last page of the sterncastle PDF that has the white area in the shape of the rear main deck on one end of the wood piece. Glue this to the sterncastle BEFORE you glue the sterncastle to the main deck.
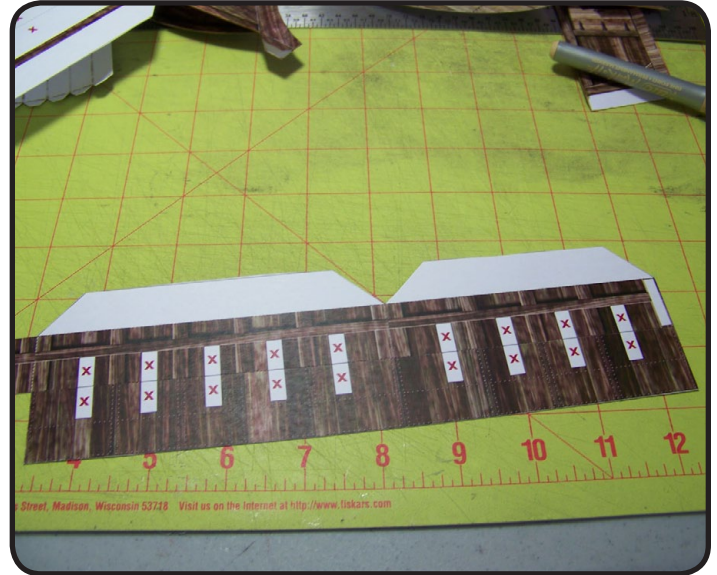
10: The top of the sterncastle assembles just like the lower walls. Cut out the main piece but do not cutout the small openings at this point.
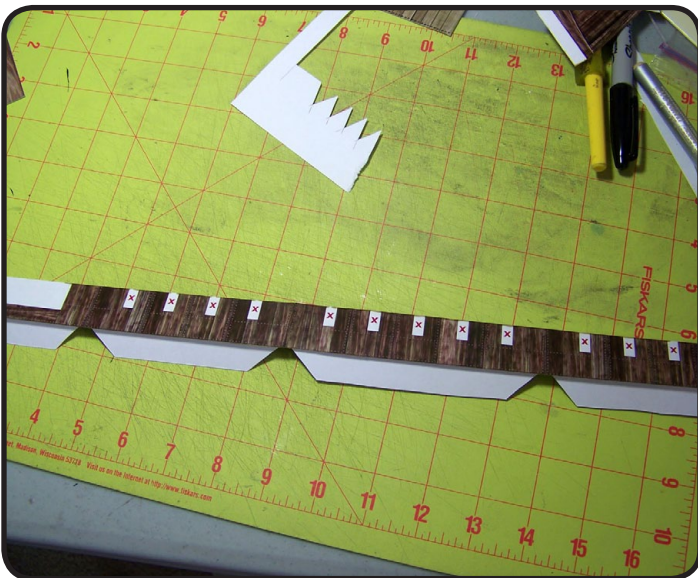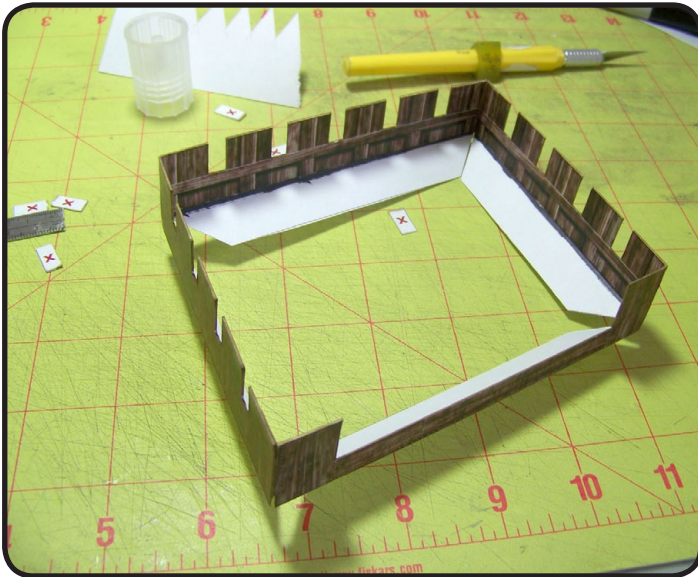

11: Fold and glue in half and allow to fully dry. glue the two wall sections into one long strip.
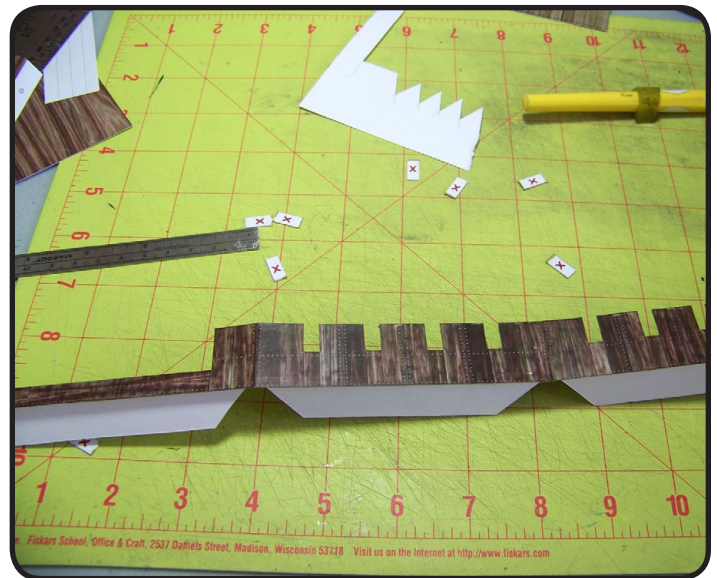
12: Once the structure is dry, you can proceed with cutting out the small openings.
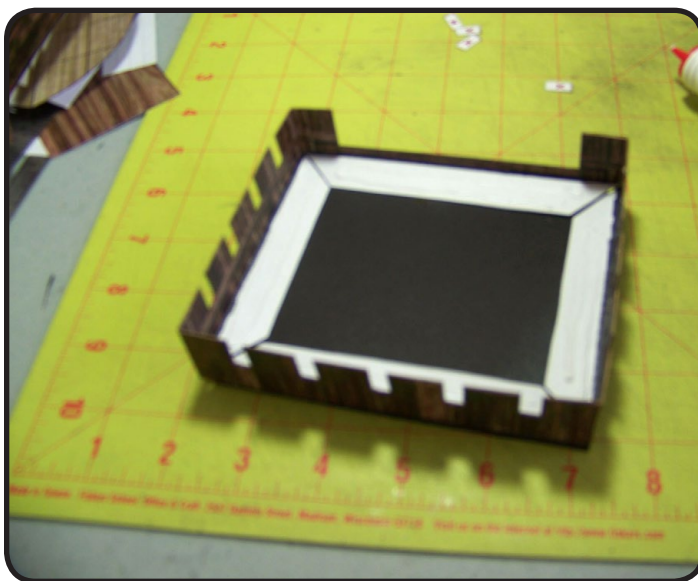
13: Finish the side walls by gluing the remaining end as shown.

14: While not absolutely necessary, if you have a scrap piece of foamcore roughly the size of the sterncastle floor dimensions it will be a big help gluing the upper floor into place. My piece has a notch in it from the main deck section, this will not hinder what we'll be using it for.
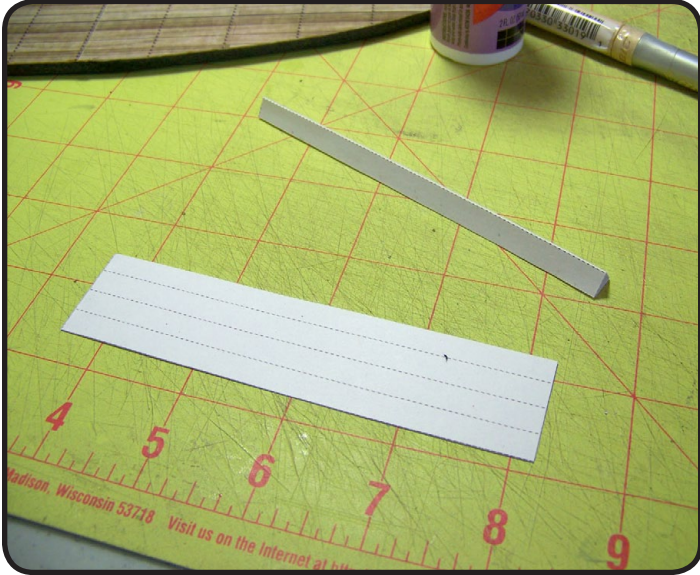

15: Place the upper wall section over the foamcore scrap as shown. The scrap will support the four tabs for the floor area and allow you to fully apply pressure while drying.
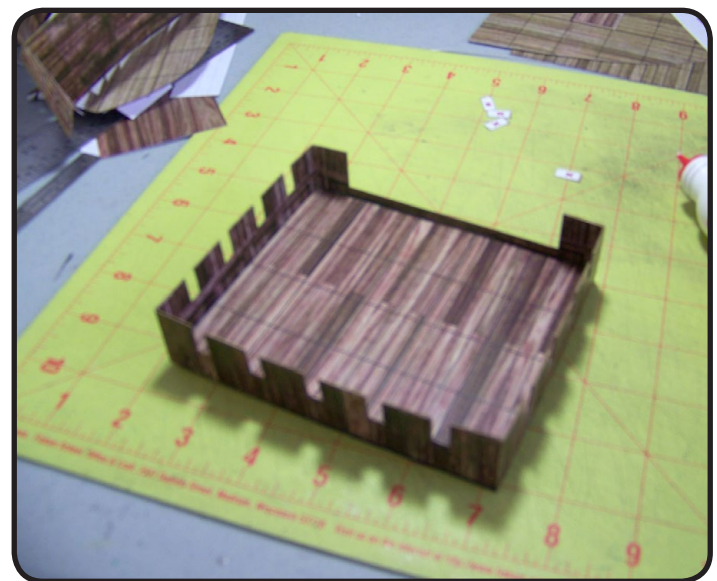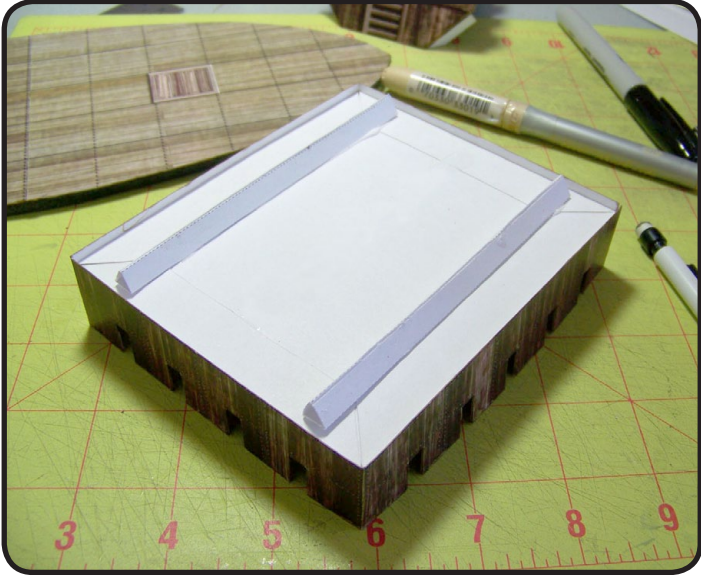

16: Glue the floor into place, being careful not to use too much glue and glue the foamcore scrap to the floor underside.

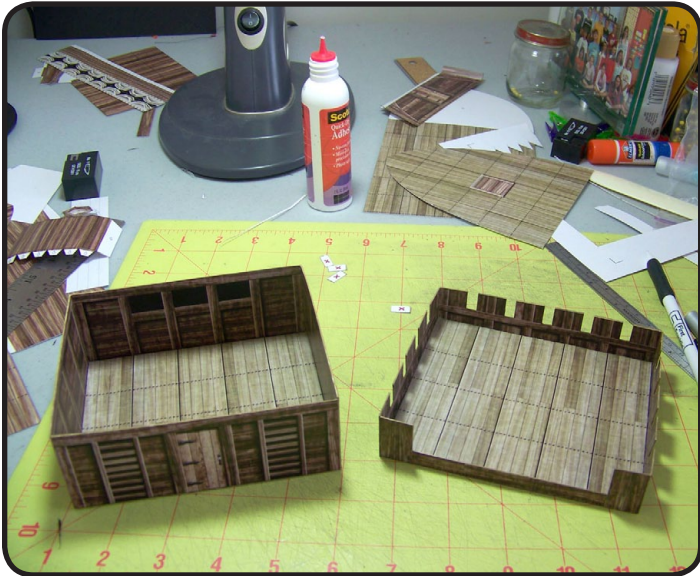17: Fold and glue the two support braces for the sterncastle into triangular tubes as shown.

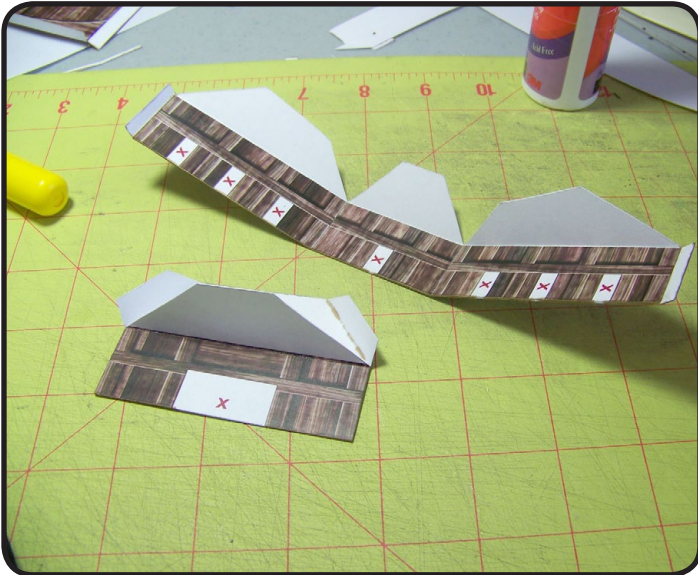18: Glue to the bottom of the sterncastle roof as shown.

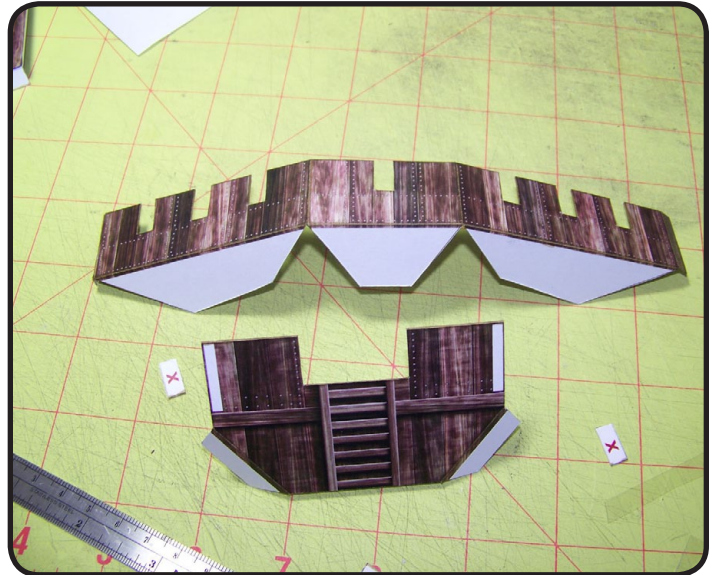19: The completed sections of the sterncastle.

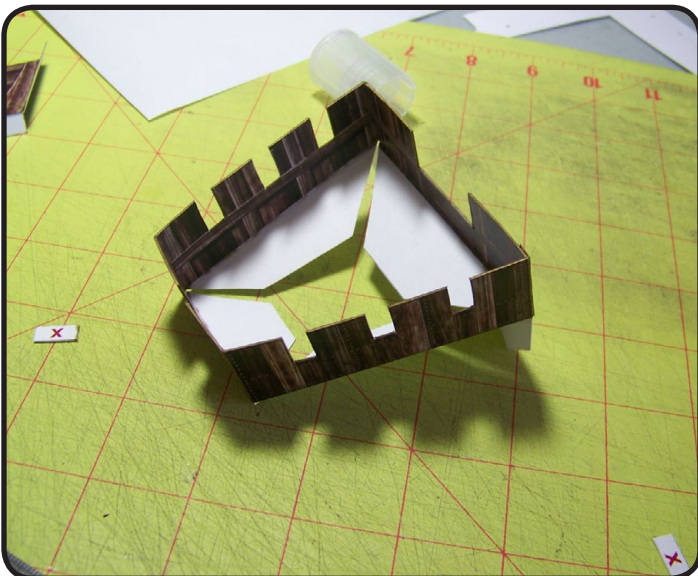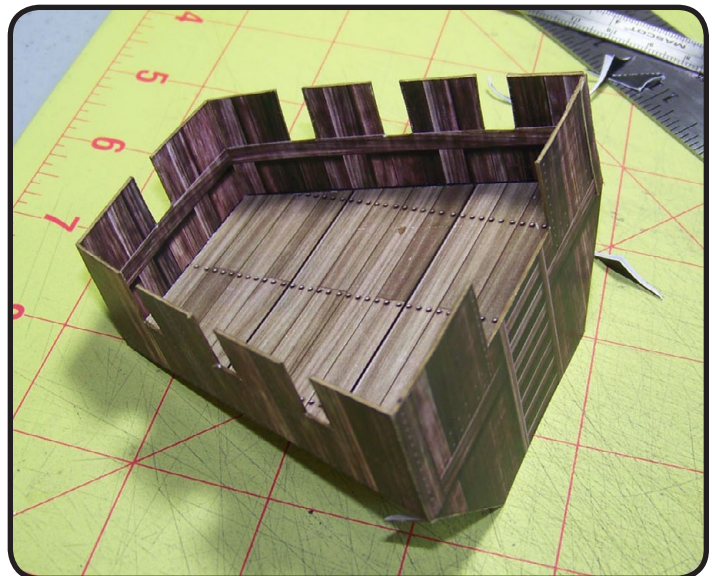20: Glue the sterncastle to the rear main deck as shown.

FORECASTLE

1: You know what to do, just make sure you don't glue the three tabs on the rear wall to anything, keep them folded outward while the walls glue.

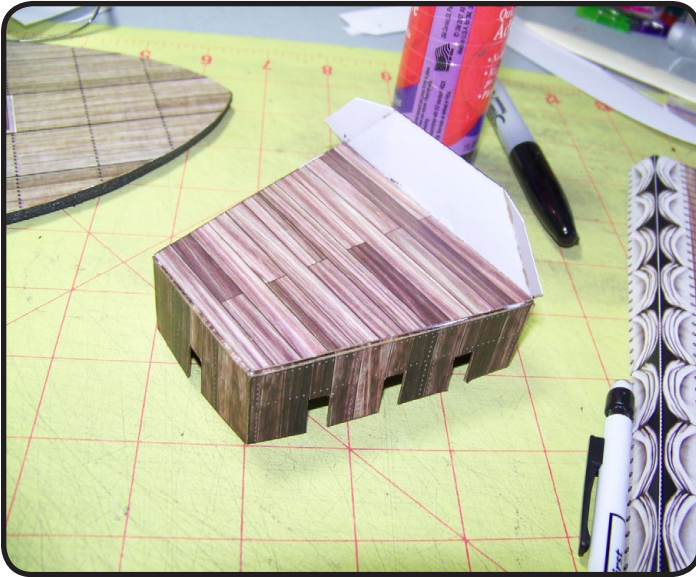2: Once dry, cut out the small openings along the top edge.

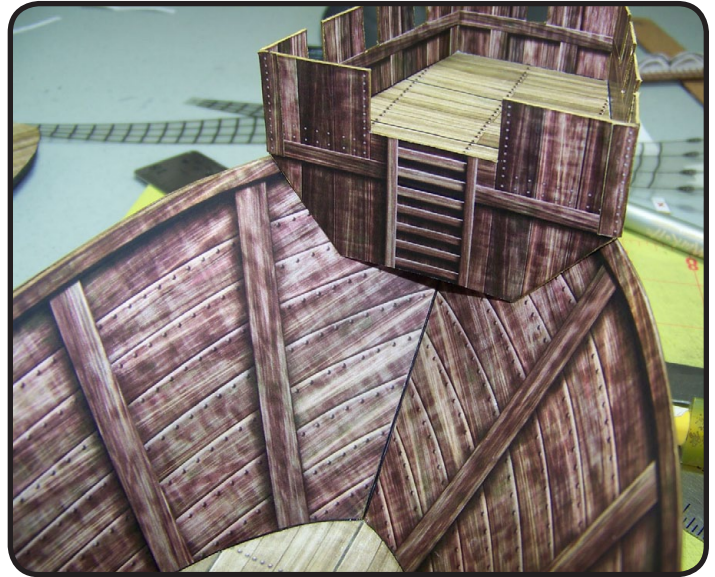3: Glue the side walls together as shown.

4: Glue the floor into place.

5: Flip over and glue the bottom face.

6: Glue into place on the forward hull. This is pretty tricky as there is no good way to apply pressure to the tabs. I just put a good glop of glue on each side tab (forget gluing the tab up front until later) and set it into place, applying slight pressure on the hull sides from the outside with one hand and holding the rear of the forecastle with the other hand. Once the side tabs are dry, go ahead and glue the forward underside tab.

MAIN DECK
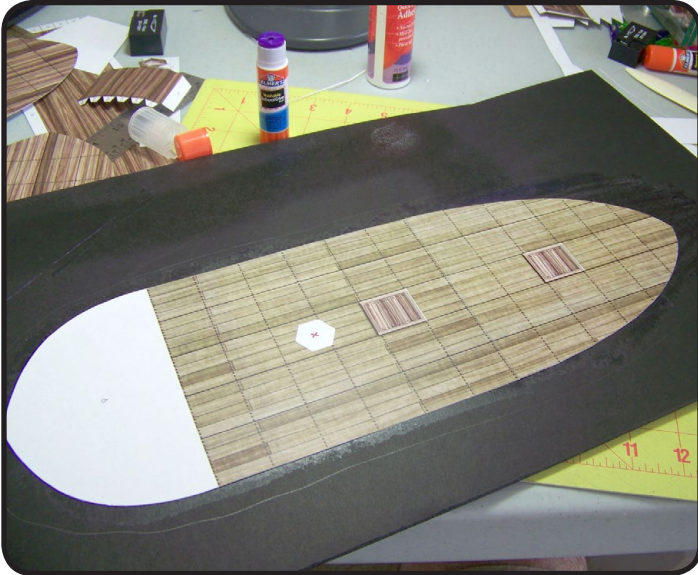
1: Glue the two main deck pieces to a piece of foam-core as shown. Cut out when dry, including the hexagonal opening for the main mast. Prior to printing, you have the option of selecting where you want your mast to mount- we recommend the forward option. MAKE SURE YOU ANGLE YOUR KNIFE BLADE INWARD, AS SHOWN IN THE BEGINNERS GUIDE BASING INSTRUCTIONS, WHEN CUTTING THE DECK OUT!
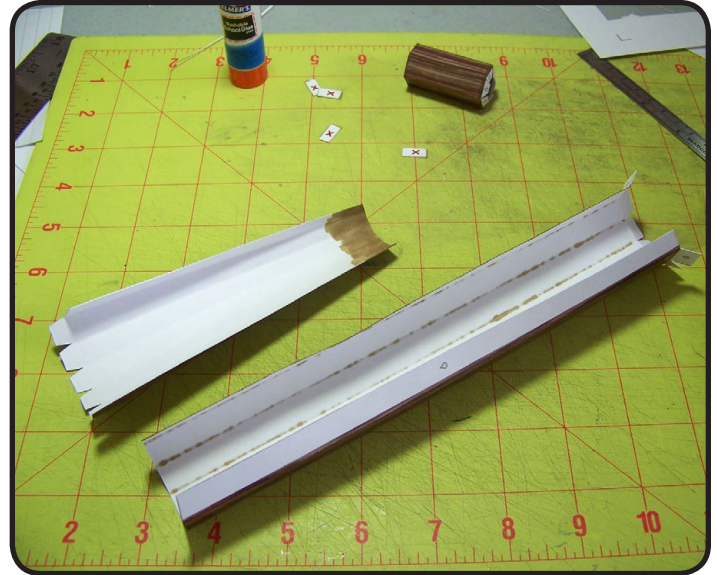
2: Cut, score, and test fold the main mast pieces as shown. Color the interior of the top piece upper edge as this will be visible when built (use black, gray or brown marker.)
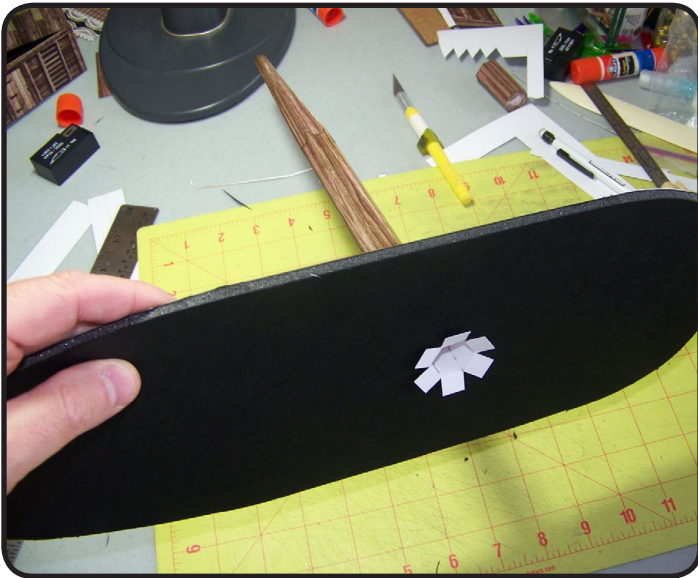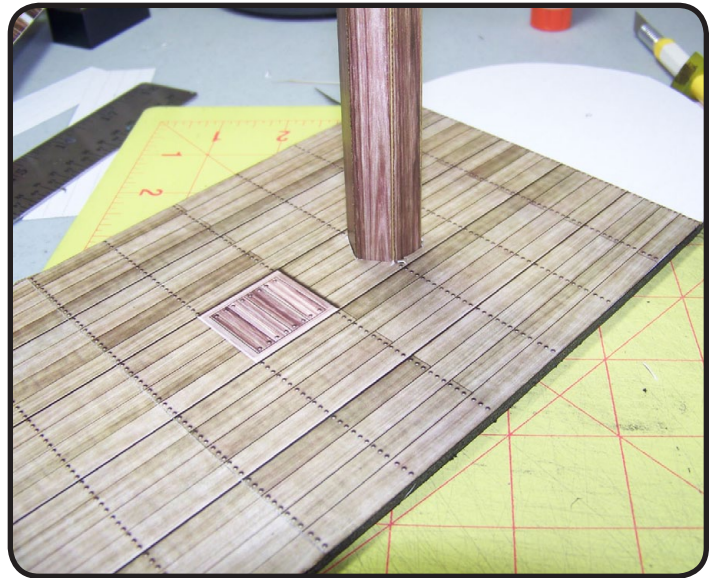

3: Fold and glue into tubes.
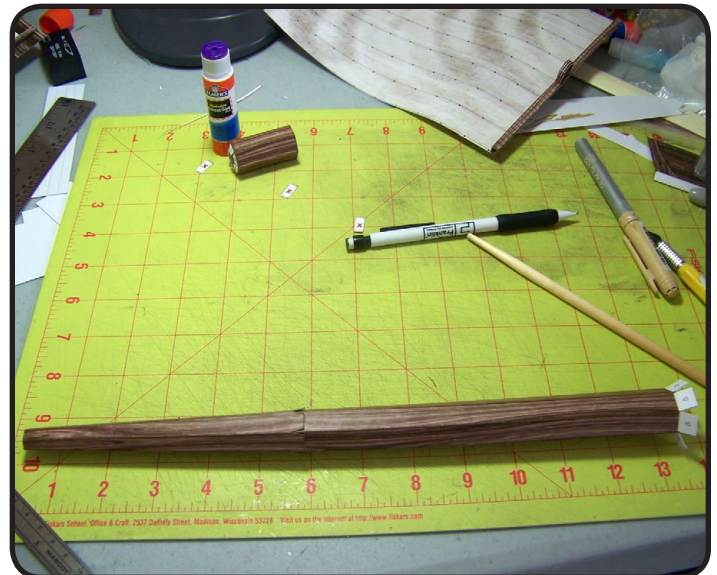
4: Glue the two sections together as shown above. Lay on a straight line to aid in aligning them properly.
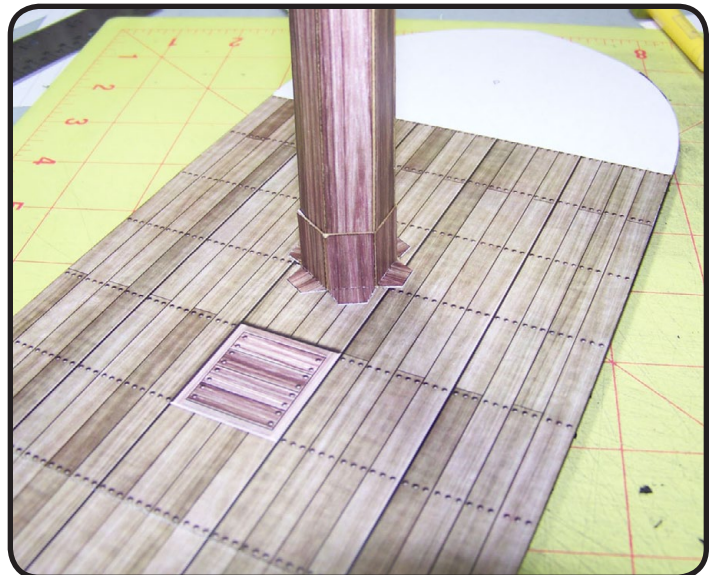
5: Insert the mast through the bottom of the main deck and glue the tabs into place.

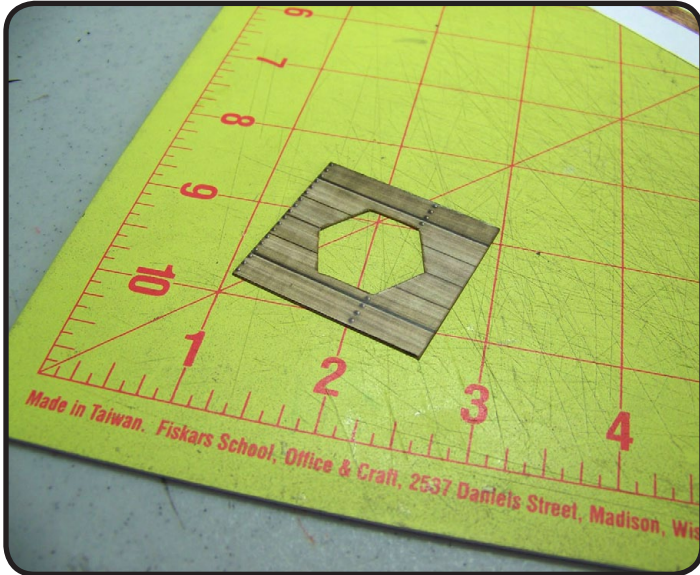6: Make sure the mast is centered before the tabs fully dry.

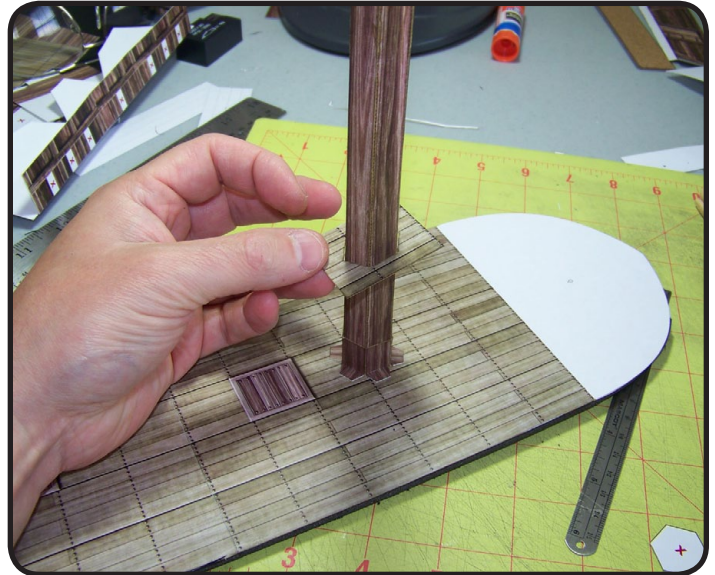7: The 'collar' for the main mast glues into a ring as shown.

8: Slide the collar into place of the mast and glue to the deck.

9: Select the appropriate cover for the collar tabs (based on if you selected the forward or rear mast mounting option) and cut out as shown above.


10: Slip over the mast and glue into place to hide the collar tabs.

11: The rigging needs to be printed on transparency film (or you can always build your model without it.) This is only sold in packs at office supply stores, so we have two suggestions to save some money. First, go to an office supply store or copy shop and have them run out the one page with rigging for you (usually about $1 or so), or look on Ebay for packs of transparency film (I got mine for about 1/8 what the store wanted.)
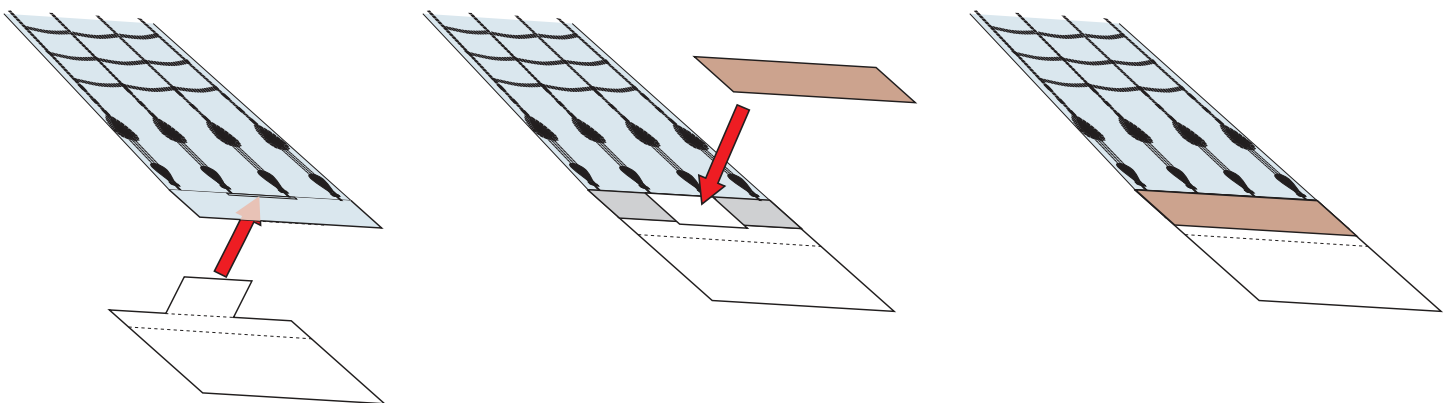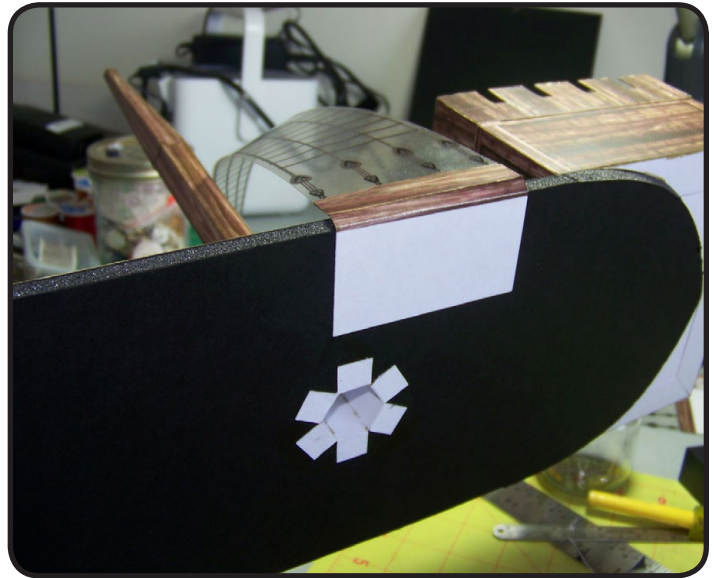

Cut out the small slot on the rigging at the bottom. The tab on the paper mount slips though this and folds over and glues as shown. Glue the cover piece in place to hide the lower transparency piece and folded tab.
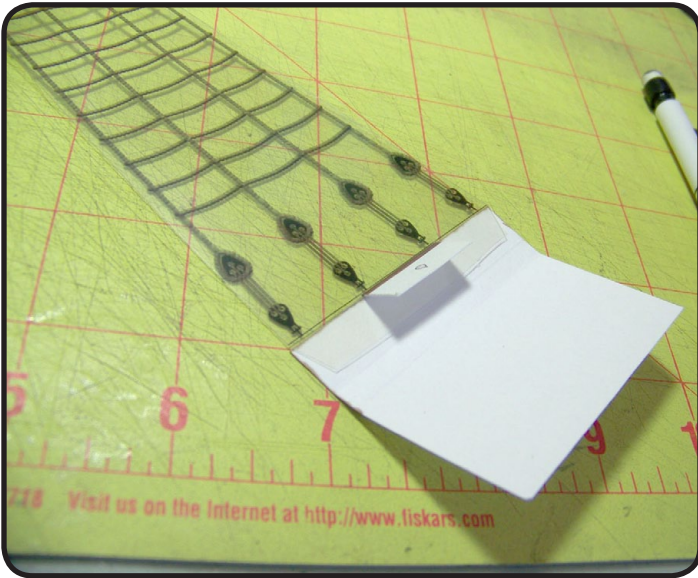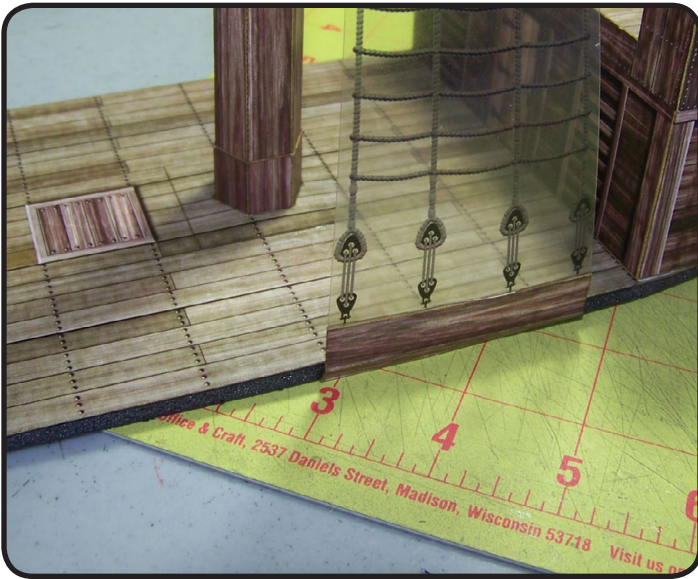
12: This is how the tab inserts and folds through the slot before gluing the cover piece into place.

13: Glue the lower flap of the mount to the bottom of the deck as shown.

14: The straight vertical edge of the rigging goes toward the front of the ship, aligned with the front of the mast.

15: Once the lower edges are glued to the bottom of the deck, proceed to pull the top edge tight and glue to the mast.

16: Once the transparency is dry, begin gluing the cover strip into place. Glue one facet, allow to dry, then proceed gluing around the mast.

17: If you can, have the seam point forward so it is hidden by the sail.

Just a quick FYI folks; I always try to keep an eye out for new glues to use and found this at Wal Mart in the scrapbooking aisle. It dries almost as soon as you apply it. The bond is as tight or tighter than any other glue I use and it has an applicator tip that is TINY- perfect for small edges and flaps! GET SOME TODAY!
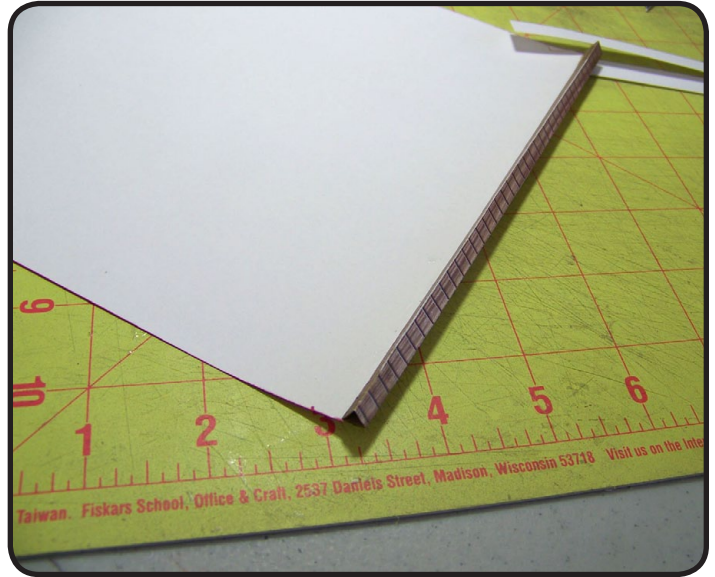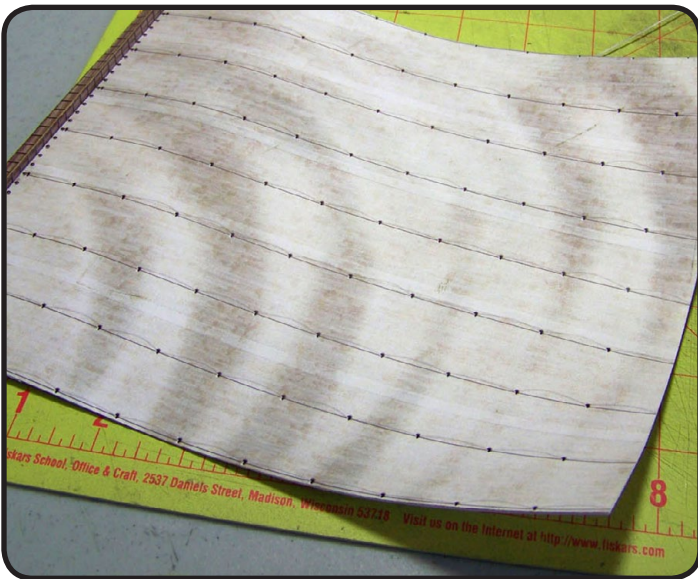
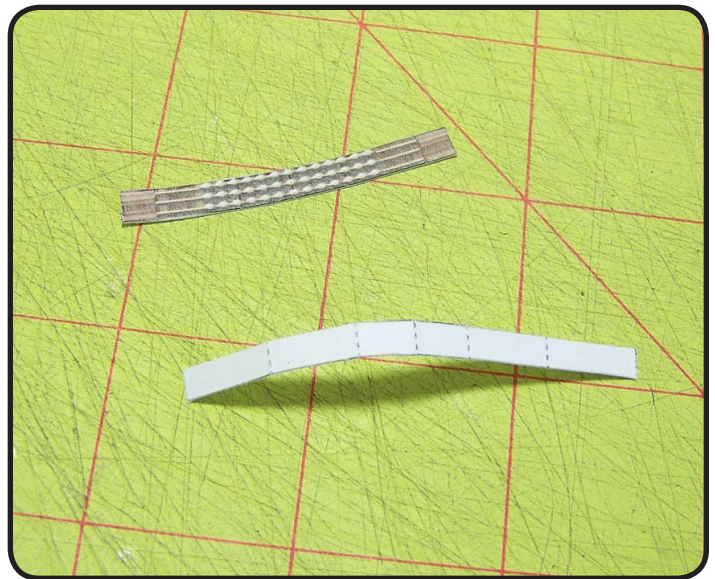We now return you to your regular programming...
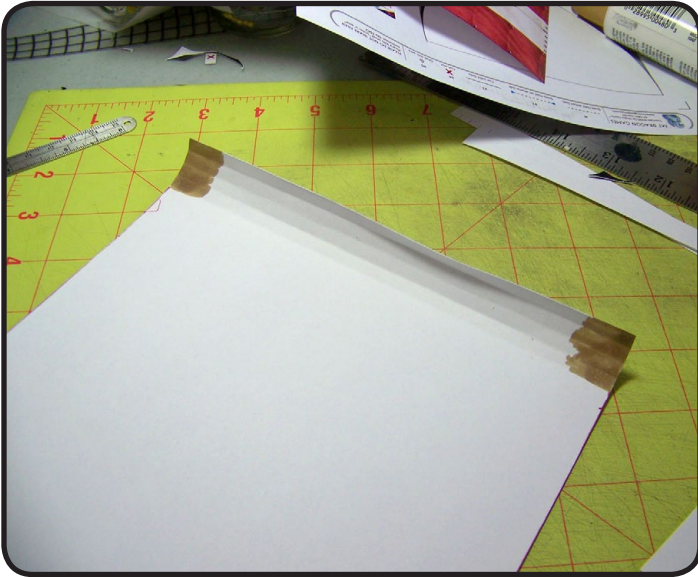
SAIL

1: Cut, sco... do I really need to say it? Just make sure you color the interior ends as shown... OR ELSE!*

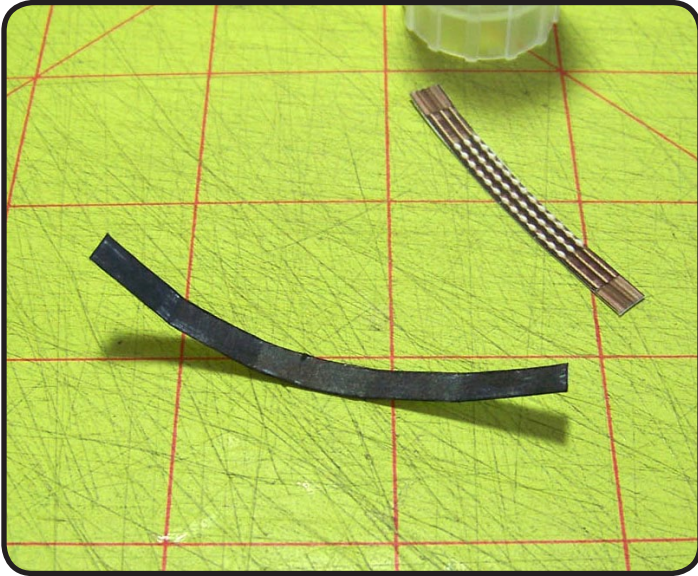2: Fold the end over into a triangular cross section as shown.
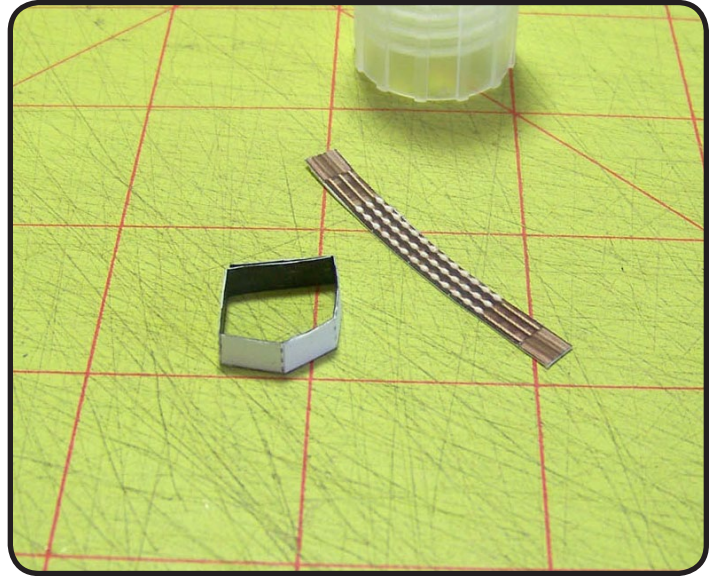

3: Glue the rear face of the sail in place.

4: Cut out the two pieces for the mount.
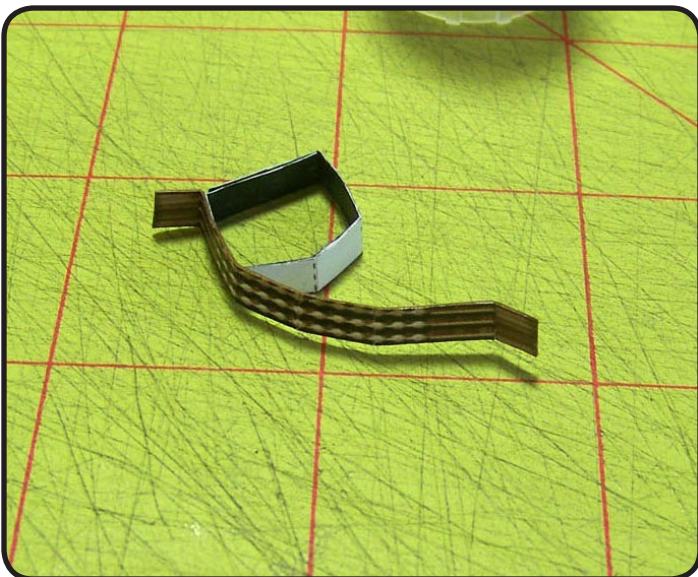
* Trust me, you do NOT want to know what 'or else' is.

5: Color the inside face of the bigger piece with a black marker.

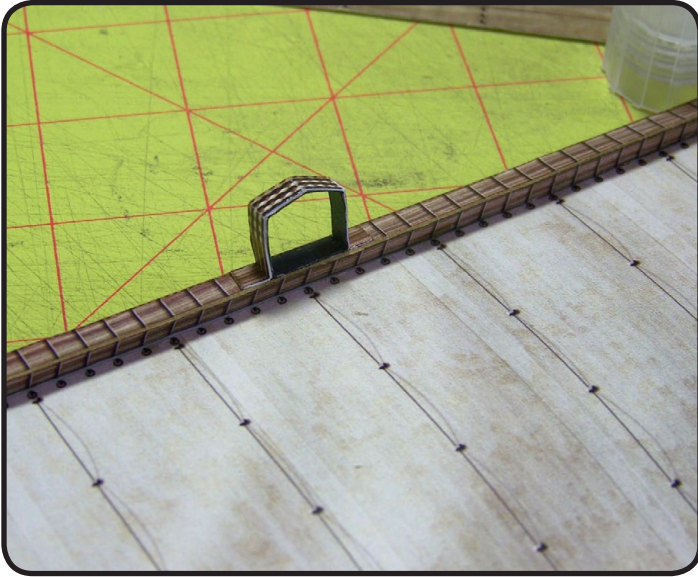6: Fold the larger piece and glue as shown.

7: Begin gluing the outer textured piece to the inner brace you just constructed. The outer tabs should fold outward as shown on either side. Glue one end as shown, allow to fully dry.
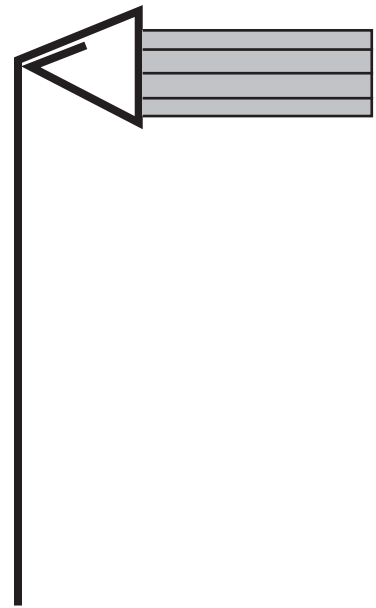
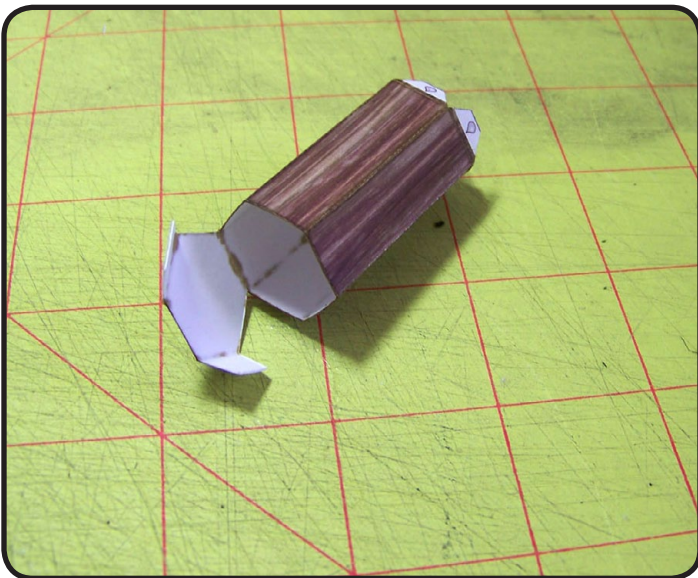8: Pull tightly across gluing the rest of the piece (you want this really tight!)

9: Glue to the center of the rear top of the sail as shown. You can now slip this over the vertical mast (but do not glue to the mast) and be able to swap out sail types (raised or lowered) as desired.
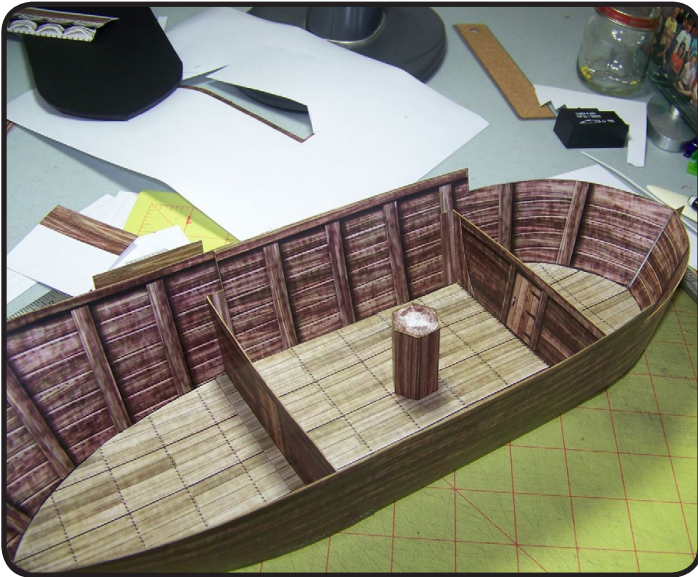

10: Side view of what your sail should look like.

11: Fold and glue the lower main mast piece as shown.

12: Glue the end cap into place.

13: Glue to the bottom deck roughly where your top main mast is located (depends on in you mounted it in he forward or rear position.)
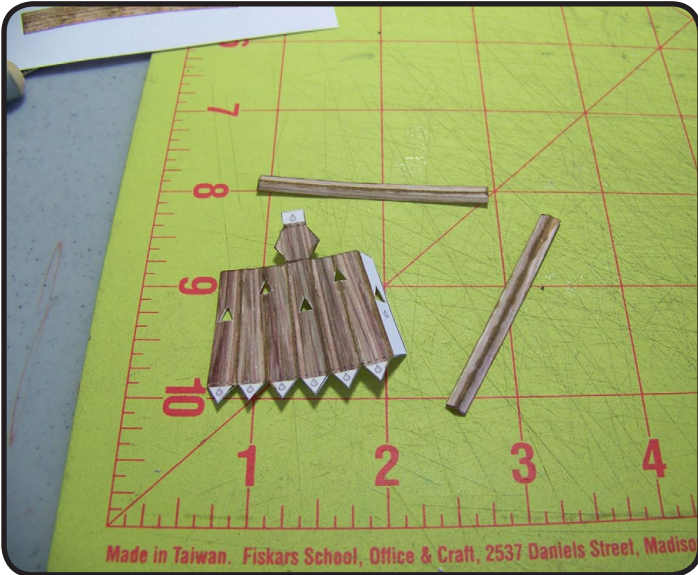

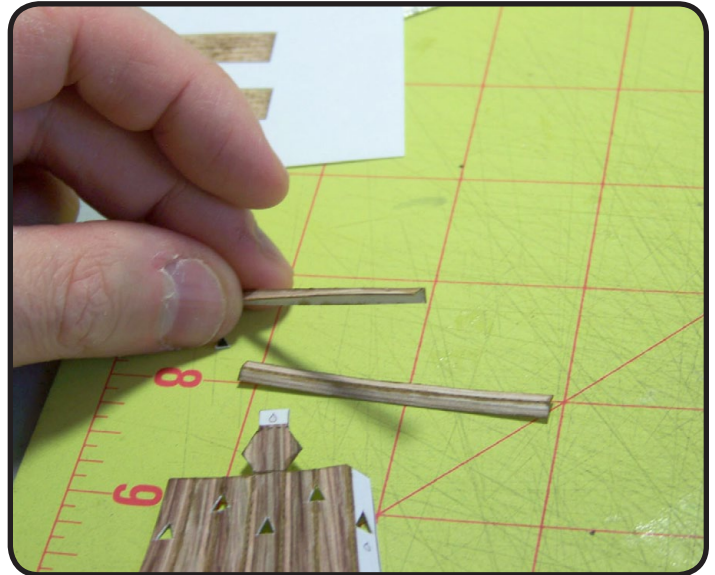14: Gently fold the sail as shown to give it a wind-blown appearance.

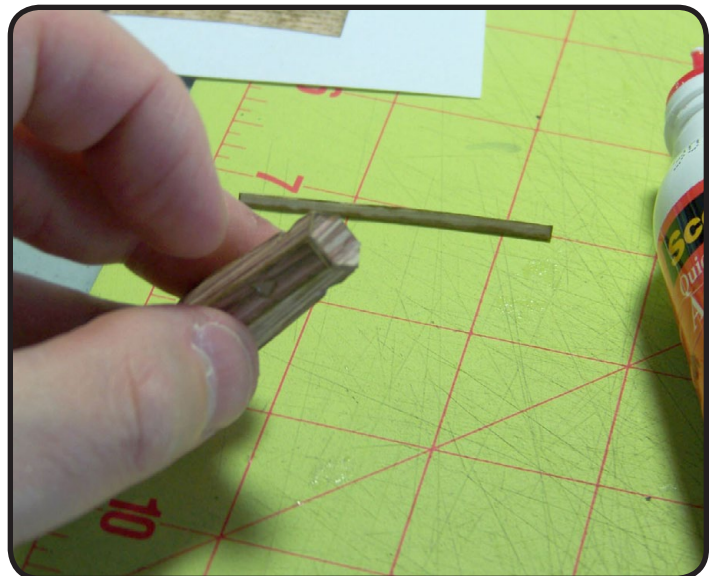15: The finished sail complete with mounting ring.

DETAILS

1: When cutting out the steering mechanism, make sure you cut out the small triangles too.

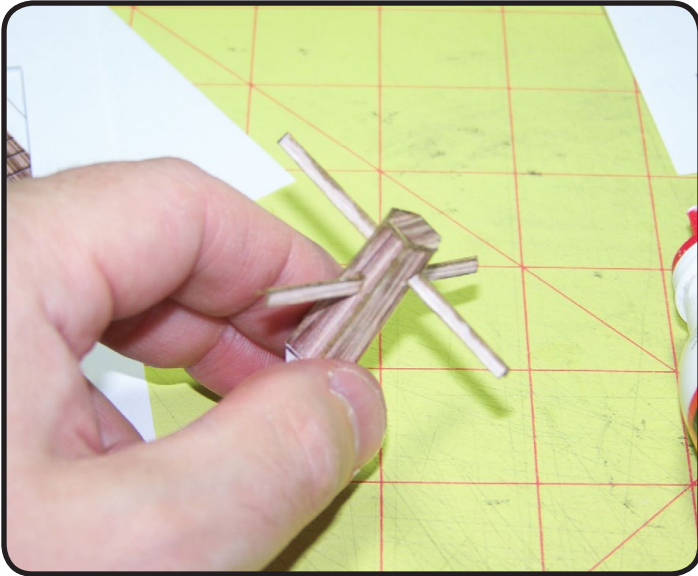2. Fold the small bars, but do not glue them. You want them to make an inverted 'V' shape.
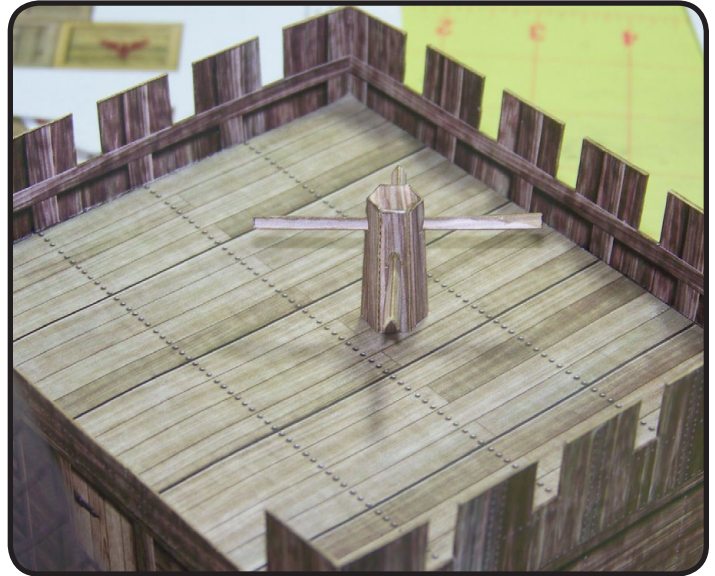

3: Glue into a tube first.
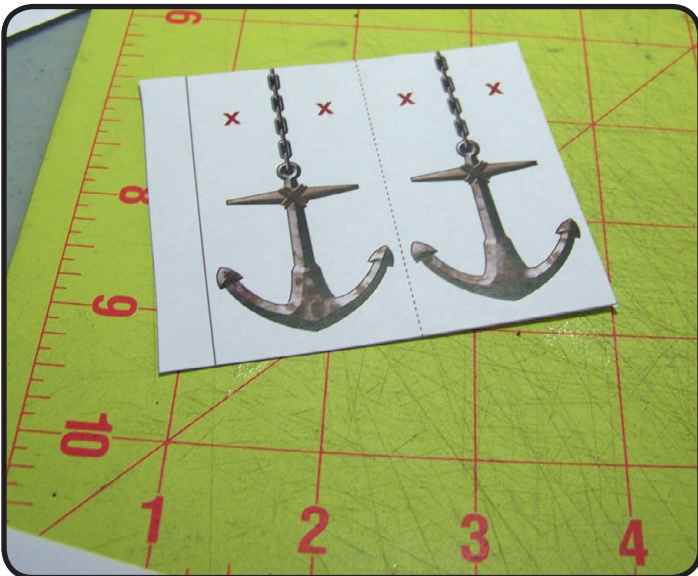

4: Glue the top cap into place.

5: Insert the bars into place through the triangular opening you cut earlier.
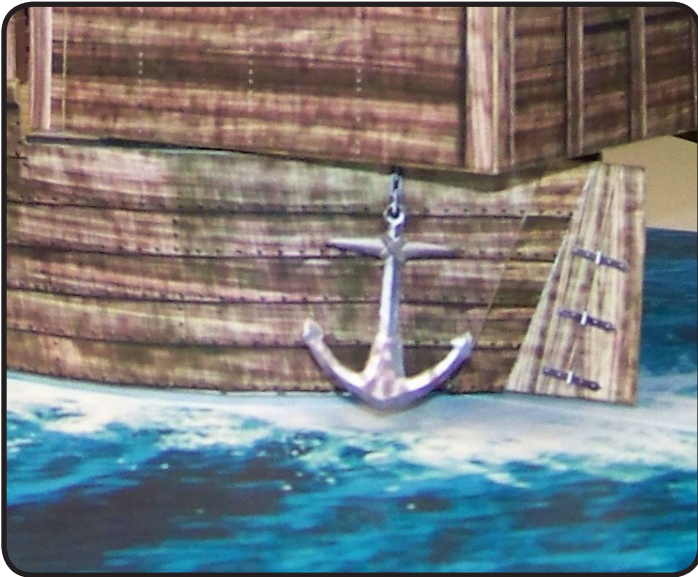

6: Glue into place on the sterncastle.

7: Cut the anchor as shown.

8: Glue in half and allow to fully dry. Cut away the excess white area surrounding the anchor.
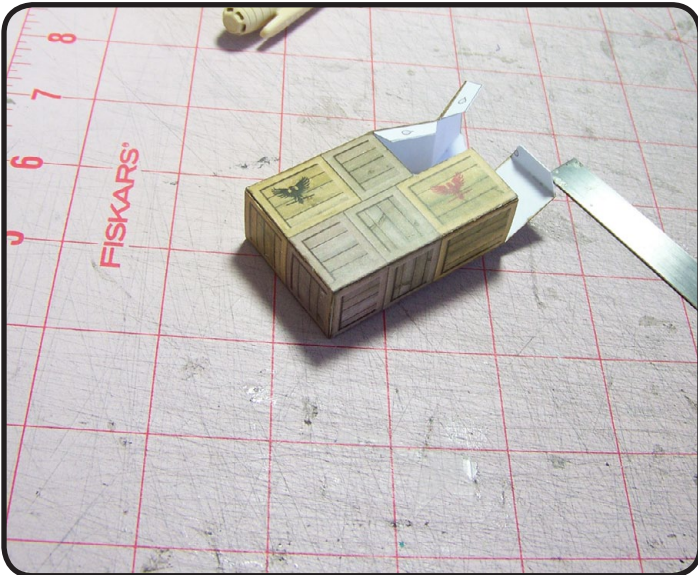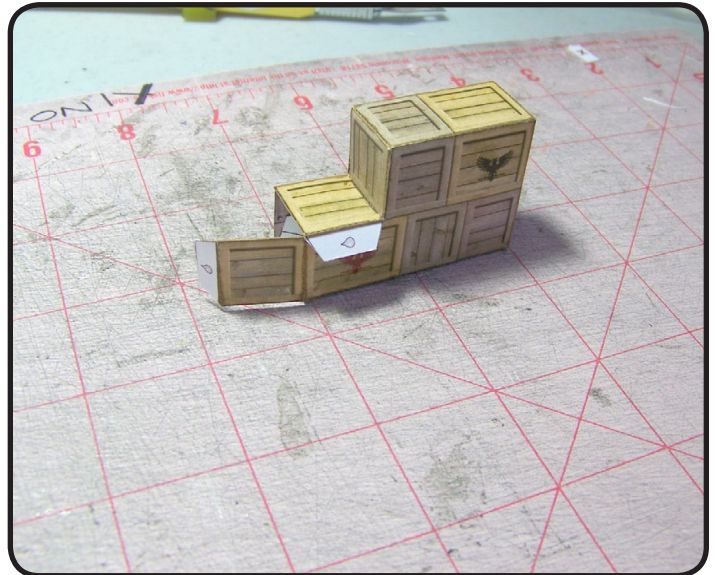
9: Glue the rear hull under the sterncastle as shown.
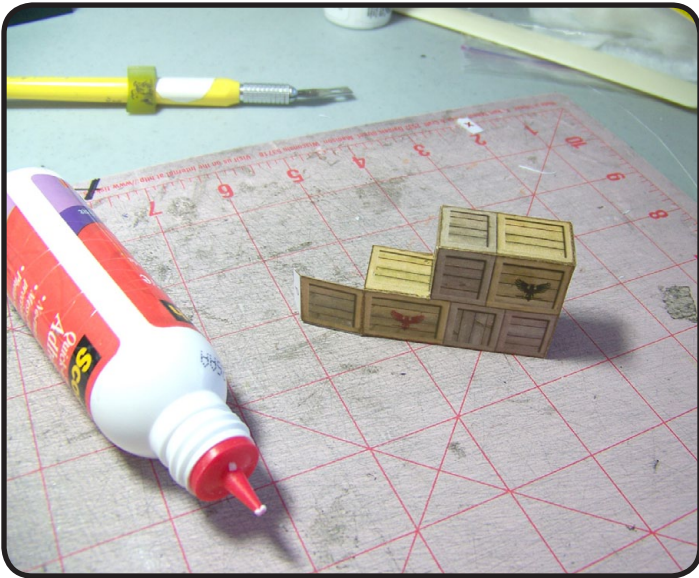

10: Anyone wanna guess? Bueller? Bueller?

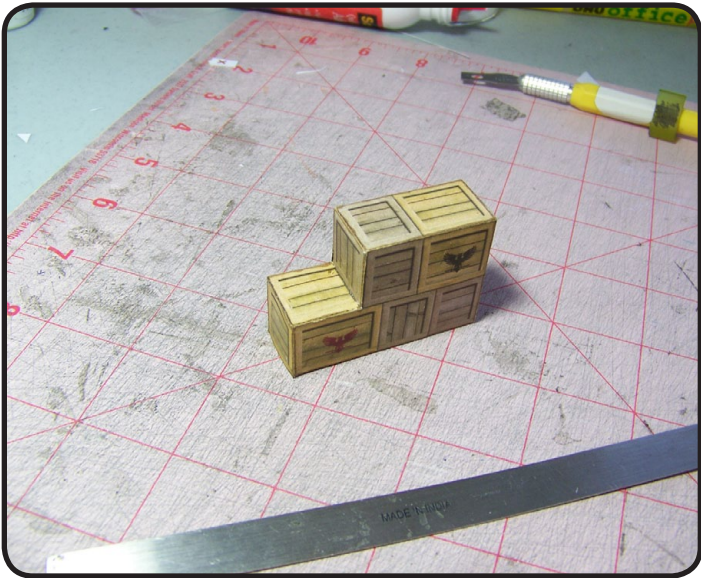11: Glue the long tab along the bottom first. Then glue the long flat side edge next.

12: Next glue the small 'stair stepped' side, starting with the vertical edge.

13: Finish gluing the stairstep with the horizontal flap.

14: Complete the model by gluing the short end last.

30"

1/A	2/B	3/C	4/D
5/E	6/F	7/G	8/H

20"

The sea tiles are designed to layout as shown above on a 20x30 piece of foamcore. You have two types of tiles, ones with the wake of the ship (titled #1-#8) and ones without to create open sea areas (titled A-H).