

# WIZARD'S SHOP OF RAKE'S CORNER

## DETAILED ASSEMBLY INSTRUCTIONS

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MODEL DESIGN BY DAVE GRAFFAM

LAYOUT BY JERRY JENSEN & DAVE GRAFFAM



**Dave Graffam**  
**MODELS**

**DAVESGAMES.NET**  
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# THE BASICS

## MODEL SPECIFICATIONS

<b>Design</b>	Single-Layered PDF 28mm/30mm, 15mm
<b>Dimensions</b>	
Length	6" (footprint)
Width	3.1" (footprint)
Height	6.2" (chimney)
<b>Page Quantity</b>	7 main structure 1 extra trunks and traps
<b>Print Quality</b>	300 dpi
<b>Printing Scale</b>	28mm-30mm
<b>Paper Size</b>	US 8.5" X 11" for A4 size, print at 95%

## DIFFERENT SCALES

To print at a smaller scale, use the table below and change your print size percentage.

SCALE	%
<b>28mm</b>	<b>95%</b>
<b>25mm</b>	<b>84%</b>
<b>20mm</b>	<b>65%</b>
<b>18mm (HO)</b>	<b>60%</b>
<b>15mm</b>	<b>50%</b>
<b>12mm</b>	<b>40%</b>
<b>10mm (N)</b>	<b>34%</b>
<b>8mm</b>	<b>27%</b>
<b>(Z)</b>	<b>23%</b>
<b>6mm</b>	<b>20%</b>

## TOOLS REQUIRED

Cutting mat  
Metal ruler  
Hobby knife  
Black markers  
Low moisture tacky glue  
Glue stick

## Optional Items

Excess card stock  
Foamcore  
Pencil  
Spray glue  
Toothpicks

## MODELING TIPS

For general information on paper modeling, please see the free Paper Modeling Guide PDF available at:

[www.davesgames.net](http://www.davesgames.net)



## PAPER RECOMMENDATIONS

The media (paper) you use will make a big difference. For best results, cardstock paper (100 lb., or 199gsm) with a matte finish is recommended.

## Using Standard Weight Paper

If you are printing this model on regular paper, consider using a spray glue to carefully apply each printed sheet to a piece of card stock. This adds thickness and durability to the model.

## Special Thanks

The lovely Juliea Stewart  
scouted locations in and around  
London and took photographs  
used in the creation of textures  
appearing on this model.



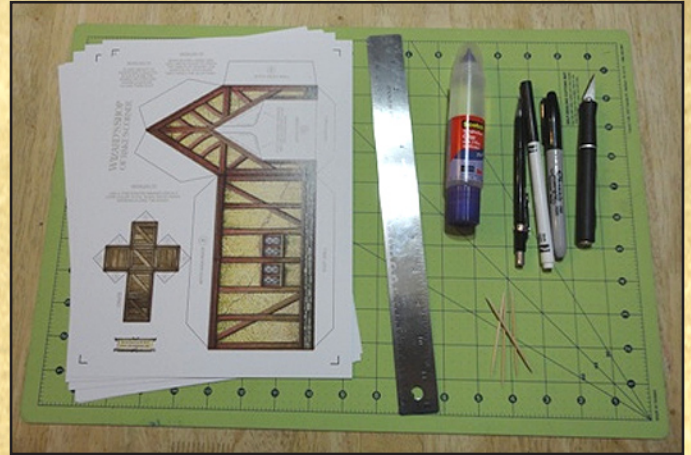
# ASSEMBLY INSTRUCTIONS

## Model Building Terminology

These detailed instructions take into account that the model builder understands the terms scoring, edging, dry fitting, etc. For details on these and other paper modeling techniques, please refer to the **Paper Modeling Guide**.

## Preparation

Before building the model, make sure all the tools needed are readily available.



## Model Base

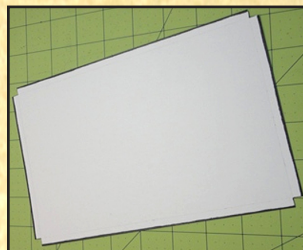
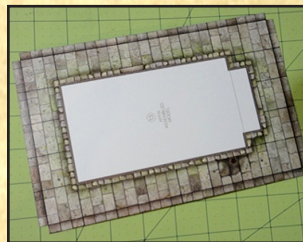
To help make building the model easier, start with the base.

**Designer's Note:** This model features optional textured sides to cover the foam core.

Score and cut out the model base as shown.

Fold and edge the sides with a black marker.

**Modeling Tip:** This base was designed to fit over a piece of foam core. Consider the following tips:

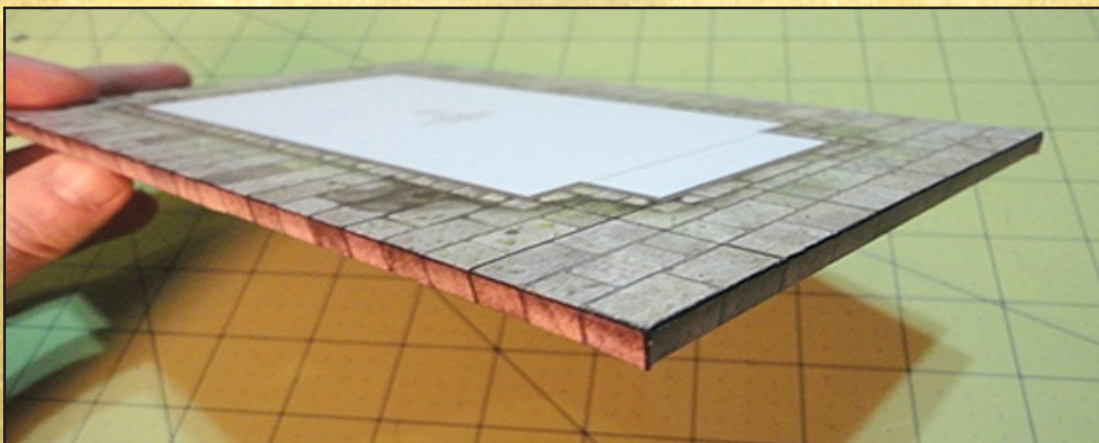


Make sure the piece of foam core is large enough to cover the entire base. Measure the base and transfer the dimensions to the piece of foam core. Or, if the sides of the base will not be used, simply use a pencil to outline the base on the foam core.

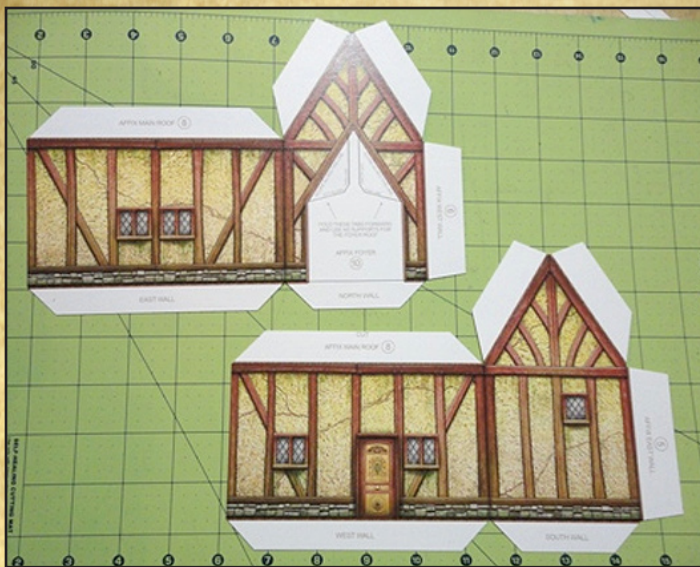
Use the metal ruler and hobby knife to cut out the foam core. If using the textured sides of the base, cut the foam core at a 90 degree angle. If the side of the base won't be used, cut the foam core at a 70 degree angle instead.

Dry fit the base over the foam core. Trim the textured sides if necessary.

Use spray glue (or glue of choice) on the unprinted side of the base. Move the base to a clean surface. Carefully set in the piece of foam core. One at a time, fold over the sides of the base, smoothing down the edges as you go. Alternatively, stand the model base on each side to get a smoother, straighter look.







**Modeling Tip:** For stronger walls, reinforce with a second piece of card stock. The combination of spray glue and added card stock will give the model a thicker and more durable feel. For details, see the Paper Modeling Guide for Dave's models.

Using a black Sharpie (or equivalent marker) edge the sides of the walls.

Start with the north wall and apply glue to the west side glue tab.

Align the north and west wall sections and glue the two pieces together.

Glue the south and east walls in the same way.

**Modeling Tip:** It is good common practice to dry fit each section of the model first to see how well they fit together before gluing, making any adjustments as needed.

Align the walls to the base noting the orientation of the front foyer and west side door. Apply glue to the bottom glue tabs and use the thin grey border on the base as your guide for placing the walls.

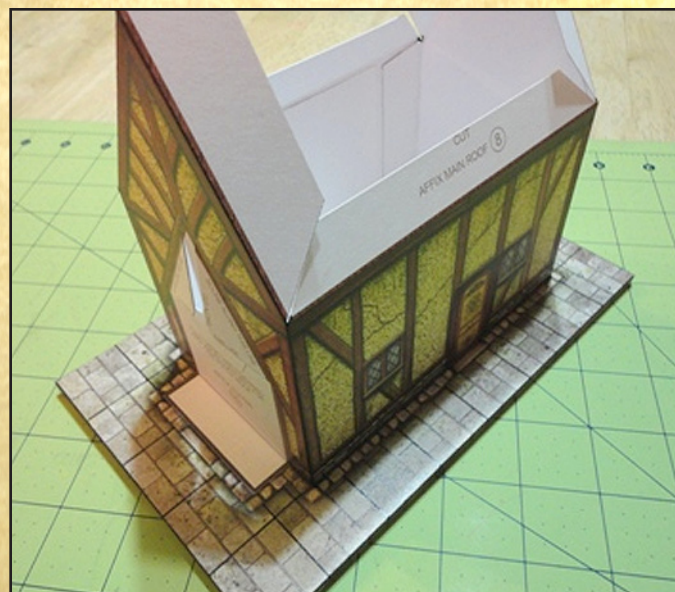
## Walls

Score the fold lines and cut out each of the walls as shown.

**Modeling Tip:** For a cleaner cut-free look, try reverse scoring the folding lines for each model section.

Fold the glue tabs as necessary. Be sure to fold the support tabs to the foyer roof forward.

**Modeling Tip:** For straighter folds, work on the flat surface of the cutting mat and use the ruler. Once the section is folded, remove the metal ruler and use your thumb to crease the fold. This technique works great on all aspects of the model.







## Foyer

Score and cut out the foyer. Fold the glue tabs and wall sections back at the score lines.

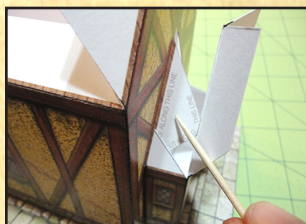
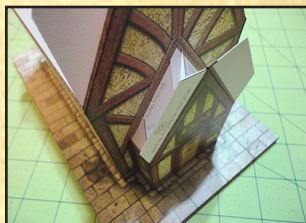
Edge the sides with a black marker.

**Modeling Tip:** You may also want to reinforce the main wall with a second piece of card stock as noted earlier.

Apply glue to the bottom and side glue tabs.

Align to the thin grey line along the base and north wall and glue the foyer to the north wall.

Apply glue to the forward folded support tabs and glue the foyer roof glue tabs in place.



## Foyer Roof

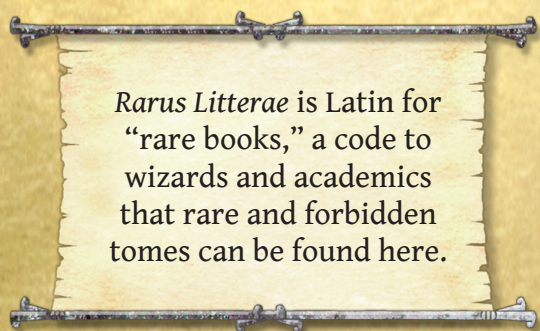
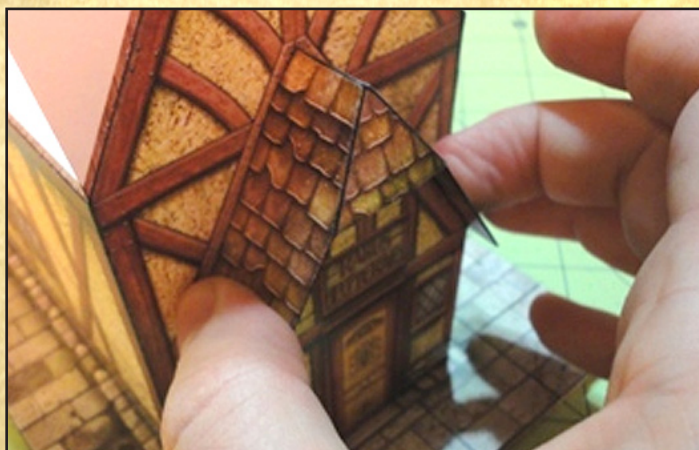
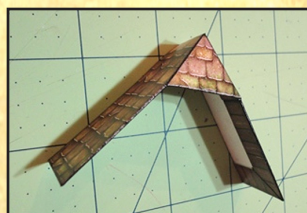
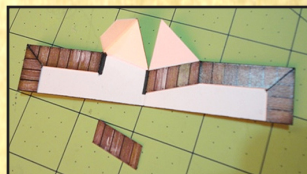
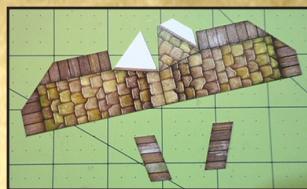
Score and cut out the Foyer Roof and the 2 wooden tabs.

Fold the wood-textured tabs back and glue in place. Edge with a black marker then glue each of the trapezoid shaped wood tabs as shown.

**Modeling Tip:** You may want to color the inside of the white triangle tab and bottom glue tabs of the half-hipped section to hide any visible white areas.

Fold the roof and glue the white triangle tab behind the triangle textured tab. Apply glue to the inside of the bottom tab, fold inward and glue to the inside of the half-hipped section of the roof.

Apply glue evenly to the top of the foyer glue tabs and glue the roof in place.





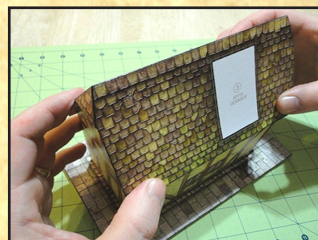
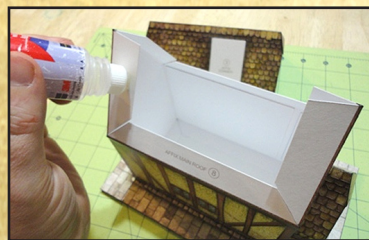
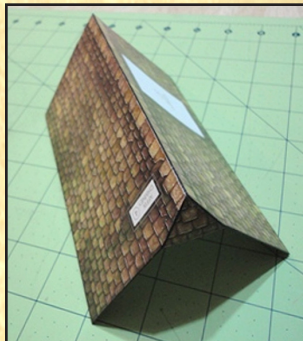
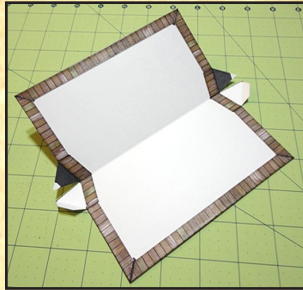
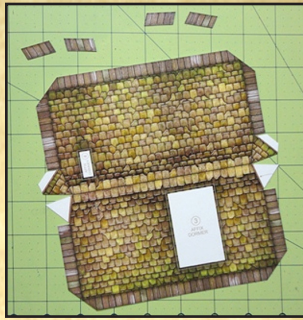
## Main Roof

Score and cut out the roof along with the 4 trapezoid wooden tabs.

Fold and glue each of the sections as with the foyer roof making sure to assemble the half-hipped sections last.

**Modeling Tip:** You may also want to reinforce the roof sections with an extra piece of card stock like the walls.

Apply glue to the glue tabs on the walls and carefully attach the roof section, noting that the orientation of the roof dormer is on the east side of the building (the side with no door). Be sure the corners of the tabs are well glued to prevent the roof from peeling up.



## Roof Dormer

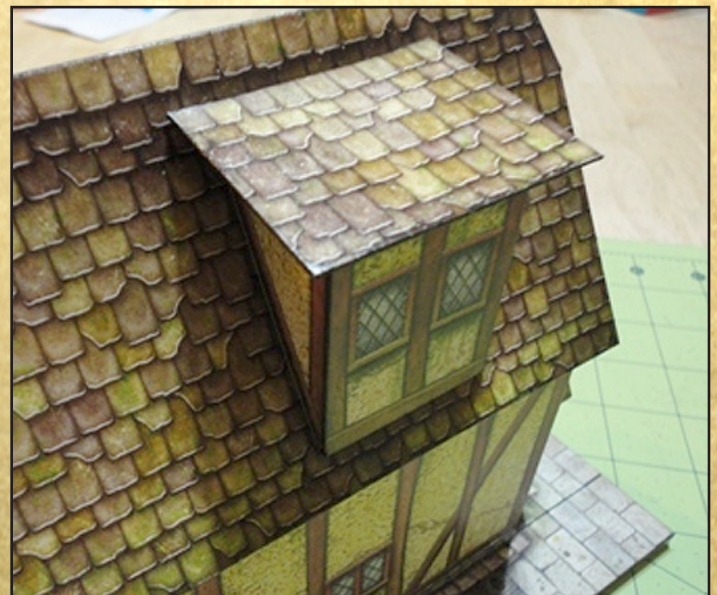
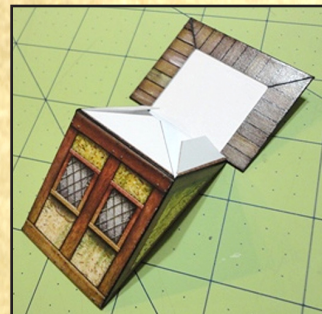
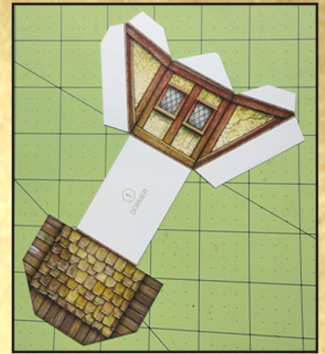
Score and cut out the roof dormer and dormer roof as one piece. Fold at the score lines and edge where needed.

Start with gluing the wooden tabs underneath the dormer roof as shown.

Apply glue to both long glue tabs of the side walls, fold over and glue the roof dormer to the bottom white tab.

Apply glue to the top glue tabs on the roof dormer and glue the roof in place.

Glue the roof dormer to the roof using the thin grey line as your guide.





## Chimney

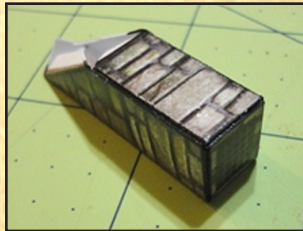
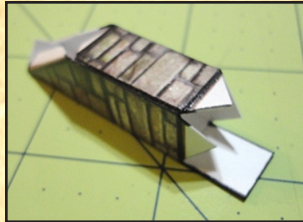
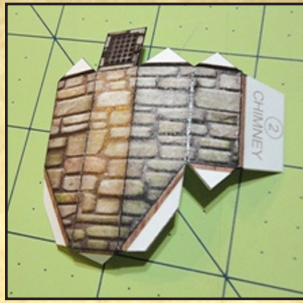
Score and cut out the chimney.

Fold and edge the sides with a black marker.

Apply glue to the large white tab. Fold the opposite side over and glue together, making a box shape.

Next, glue the top of the chimney.

Dry fit the chimney to the building for placement. Apply glue to the remaining glue tabs to glue the chimney on the roof in the space provided.



Congratulations! Your model is now complete.



## Crates

Score and cut out each crate or chest.

Fold along the score lines and edge the sides where needed.

**Modeling Tip:** To help fold the small sections, use the metal ruler as a brace and guide to carefully fold each section up by using the hobby blade.

Use the numbers on the glue tabs to glue in the recommended order to complete each crate.

