



# Christmas Tree

## Beginner Three-Dimensional Project

*Design by Takaaki Tsuchiya, Fabrication and Text by Dave Burnett*

### **Kokomo Opalescent Glass**

#657, Green for Tree Branches, 1 Sq. Ft.

#58LL, Christmas Green, Clear for Tree Branches, 1 Sq. Ft.

### **Other Materials Required**

Flux Solder 7/32" Copper Foil

Black Patina TK Stained Glass TKD 201 Kit

Always wear eye protection, keep a clean work surface, and solder in a well ventilated area.

Make two copies of the original pattern. Number and mark grain direction, if any, when making patterns. Cut one pattern apart using copper foil pattern shears. The second copy will be used as a layout guide.

1. Position paper pattern on glass and score the glass. It is okay to score across a scored line, but do not score along the same line twice.

2. Use running pliers to run score on the glass to shape glass pieces to the pattern. A glass grinder can be used to smooth any rough edges of the glass.

3. Using 7/32" copper foil, position the glass in the center of the foil, wrapping the entire piece. Unevenly foiled pieces will remain uneven after the piece is soldered.

4. Burnish the foiled pieces using a fid or lathkin. This smooths the edges of the foil and adheres the sticky side of the copper foil to the glass.

Place the foiled pieces on the layout pattern. Hold the pieces in place with Morton's Blocking System and push pins. Using a flux brush, apply flux to the copper foil. The flux etches the copper so that it will accept solder.

5. Solder the pieces of the tree together. Tin the outer edges of each panel. Solder all ten panels before assembling the tree.

6. Tack-solder the panels together using the layout template. Use Emerald Rainbow's Wedgies™ to hold the pieces in place. After all of the panels are fitted to form the tree, run a smooth bead on all of the seams to give the tree a finished look.

Cut and bend the copper wire to form hooks that the bells will hang on.

7. Tack-solder the hooks onto the ends of the branches.

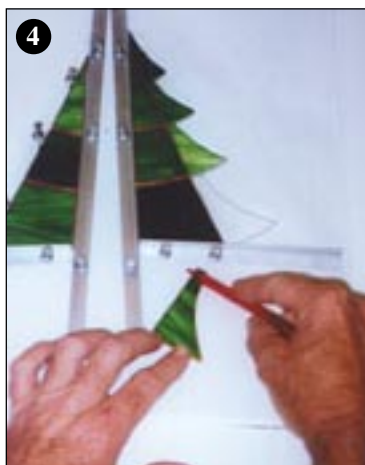
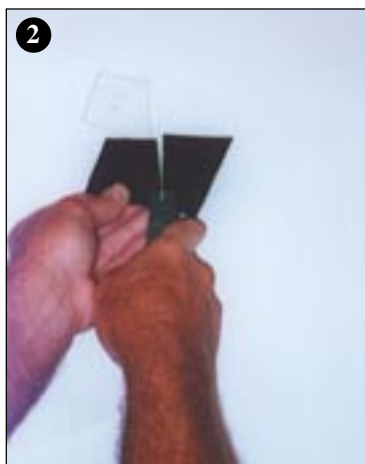
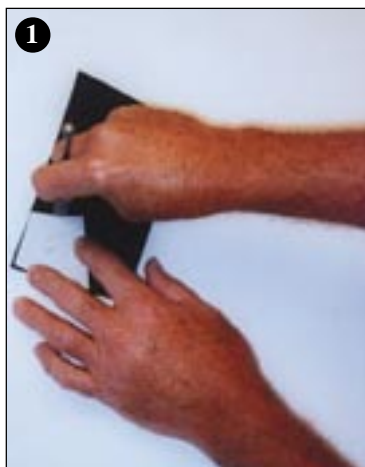
Clean the project thoroughly with flux remover and warm, soapy water. Use black patina on the solder lines. Apply the patina with a brush or cloth.

8. Tack-solder the brass star to the top of the tree.

The bells can be hung on the tree and the ribbon tied around the top to finish the tree.

Set the finished tree on the round glass stand and plug in.

**GPQ**



This is not a pattern piece.  
This is for layout purposes only.  
This has been reduced 50%.

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G - Green for tree Branches, 1 Sq. Ft.  
C - Christmas Green, Clear for Tree  
Branches, 1 Sq. Ft.

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