

Hungry Kitty Picture Frame

A Precision 2000 Mixed Media Project

PROJECT TITLE:
Hungry Kitty Picture Frame

DESIGNED BY:
Grace Santoro

SKILL LEVEL: *(Adult 1-5: 1 being the easiest, 5 being most difficult)*
3

TIME TO COMPLETE:
3 hours (does not include drying time)

PROJECT TIP:

- Always, wear safety goggles when using glass-crafting tools. Everyday eyeglasses have only impact resistant lenses.
- Always adjust the blade guide arm to ¼" above the material.

VENDOR NAME:
Diamond Tech

INSTRUCTIONS:

Read and carefully follow the instructions contained within the **Precision 2000** Operations Manual.

1. Enlarge pattern by 200% and print. Cut out the cat, fish and seaweed portions.
2. Place the pattern pieces on the glass indicated in the materials list and trace around them using a marker. Use a light color marker (Sharpie® Silver) when tracing pattern onto dark glass and a dark color marker on the light glass.
HANDY TIP: To ensure the pattern markings do not wash off during cutting; apply a thin coat of petroleum jelly or Chapstick™ over the markings.
3. Set the **Precision 2000** band saw up for wet cuts. Follow the Operations Manual and install the diamond blade. Using the saw cut the seaweed, fish and cat patterns from the glass, staying along the inside of the pattern outline.
4. If you choose to use rounded shells like conch, nautilus, cowry or triton, use the **Precision 2000** to cut them in half so they lie flat.
5. When all glass and shells are cut, clean and dry with a paper towel or soft cloth.
6. Make a second pattern copy but reverse the print. Place it on a flat surface and cover pattern with a piece of contact paper, sticky side up. Tape to hold in place.
7. To create the cat, start with ¼" (1.5 ml thick) copper foil. Peel back 3"- 4" of backing from the foil.

8. Center the cut edge of your glass piece on the sticky side of the foil. Always “start” your foil on the inside edge of the glass where it will touch the next piece and be out of sight once it is soldered. Wrap the entire outer edges of the glass with foil and overlap the ends $\frac{1}{4}$ ”.
9. Use a fid and burnish (rub) the surface of the foil to the edge of the glass. Press firmly, however too much pressure may cause the foil to tear.
10. On a heat resistant surface, flux and solder the body of the cat together.
11. Using a 14 gauge tinned copper wire, mold the wire to the shape of the legs using the dotted pattern marks as a guide. Place a wire in position, flux and tack into place.
12. For the whiskers cut two $2\frac{1}{4}$ ” pieces of tinned copper wire. Lay them so they crisscross at their centers. Apply flux and a drop of solder to the area where the wires intersect. Allow to cool.
13. Once cooled, place the whiskers in place on the cat’s face; add a bit of flux at the point where the whiskers touch the head of the cat. Allow to cool. Once cooled place cat on contact paper, where indicated to hold its position.
14. Place the fish and seaweed glass pieces on the pattern where indicated.
15. Use a wheeled glass nipper to cut iridized Venetian tiles into quarters. Place them around the perimeter of the 5 x 7 opening in the frame. (CREATIVE OPTION: Use $\frac{3}{8}$ ” Venetian tile in a complimentary color around the perimeter of the frame to save time nipping.)
16. For the rim of the fish bowl, cut rectangles from the oyster/beige glass. Apply to contact paper where indicated in pattern.
17. Nip enough ball chain to fit around the rim and down the side of the fish bowl. Place chain in position on the contact paper.
18. Cut $1\frac{1}{2}$ inch wide strips of glass from #G401 and #G126SP glass. Stack glass strips three high and use the **Precision 2000** to randomly cut triangles and trapezoids from the strips of glass. Clean glass when finished cutting. CREATIVE OPTION: Use a steel wheeled glass cutter to score and separate glass into randomly shaped triangles and trapezoids for the background and fish bowl and into rectangles for the rim of the fish bowl.
19. Fit cut pieces of #G401 to fill in the fish bowl. If necessary, use the glass nippers or band saw to further shape the glass.
20. Fit cut pieces of #G126SP into the background filling in the surface of the frame. If necessary, use the glass nippers or band saw to further shape the glass.
21. Remove the cat from the mosaic temporarily. Apply pressure to the mosaic, pressing it into the contact paper to secure. Apply a thin layer of adhesive to the wood base and position the wood frame above the mosaic. Press the frame down firmly onto mosaic, flip mosaic and frame over.
22. Examine the mosaic to ensure nothing has shifted. If movement does occur, simply use a craft knife to cut the contact paper around the shifted pieces and reposition them.
23. Use a craft knife and cut away the contact paper around the opening for the cat. Place a bit more adhesive to the back to the cat and position it into place.
24. Allow glue to dry overnight.

25. Once glue has dried remove contact paper.
26. Mix two cups of grout, following the manufacturer's instructions. Wearing latex glove, spread grout on to the surface of the birdhouse. Press grout into the spaces between the glass, but keeping the area for the sand and shell clear of grout. Wait about 15 minutes for grout to set.
27. Gently wipe away excess grout using a scrubby, taking care not to pull away grout from between glass pieces. It is very important to remove any grout on tile surfaces before grout is completely dry.
28. Use a soft cloth to buff glass to a clean shine. Allow 24 hours for mosaic piece to dry thoroughly.
29. When grout is thoroughly dry, glue sand and shells to the indicated space on the pattern.
30. For the animal's eyes, simply glue a green rhinestone to each face.

MATERIALS CHECKLIST:

Precision 2000 or Precision 2000 Deluxe Band Saw

- 1 Sheet Studio Pro™ Green/Red/Blue Stained Glass - #G126SP (BACKGROUND)
- 1 Sheet Studio Pro™ Oyster/Beige Stained Glass - #G891 (RIM OF FISH BOWL)
- 1 Sheet Studio Pro™ Turquoise/White Stained Glass - #G401 (FISH BOWL)
- 1 Sheet Studio Pro™ Opaque Black - #GA412 (KITTEN)
- 1 Sheet Studio Pro™ Red/Orange/Cream Stained Glass - #G359 (GOLD FISH)
- 1 Sheet Studio Pro™ Med Green/Orange/White Stained Glass - #G827 (SEAWEED)
- 1 - 8 oz Package Jennifer's Mosaics™ Teal Iridized Venetian Glass Tiles
- 1 Studio Pro™ Steel Wheel Glass Cutter
- Flux
- 16 Gauge Tinned Copper Wire
- Glass Adhesive – E6000®
- Black and Silver Sharpie®
- Ball chain
- Sand
- 3 - 3/8 Green Rhinestones
- Assorted shells
- Jennifer's Mosaics™ White Grout
- 1 Precut Wooden Frame Darice 12" x 12" wood frame with 5" x 7" opening
- Jewelry Wire Cutters
- Studio Pro™ 60/40 Solder
- Studio Pro™ Soldering Iron
- Studio Pro™ 7/32 Foil
- Contact Paper
- Petroleum Jelly or Chapstick™ (OPTIONAL)
- 1 Jennifer's Mosaics™ Wheeled Glass Nipper (OPTIONAL)

