

JM Project One

Discs Necklace Handout

Donna Kato, Instructor, June 2017



CLAY:

Kato Polyclay Black, White, Kato Clear Medium

TOOLS:

Two round cutters, large and medium size

Metal Foil

Old credit card

Fine sewing needle

Texture sponge

Large and smaller cutter

Deli paper

Ball stylus

Soft brush

Kato brush

Water bowl

Sanding block
Kato Clear Medium and brush
Ruler
Needle tool
Baking soda in pan
Metal bowl
Hand drill
2mm Buna
4mm O ring
Wire choker
CA Glue

A. Forming the Discs

1. Condition black clay.
2. Disc One – Metal foil covered, applying metal foil to clay
 - a. Roll black clay through 4th thickest setting of pasta machine.
 - b. Place on deli paper and rest larger cutter on clay, trim around.
 - c. Select metal color foil, trim it to approx size of clay.
 - d. Lay metal foil on clay, shiny, color side up. Dull, silver side should be on the clay. With credit card, whip across the foil 25 times in each direction.
 - e. Burnish lightly with fingers.
 - f. Grasp a corner of the foil and tear it off the clay, do not move slowly, rip it off quickly.
 - a. With fine sewing needle, pierce holes in clay.
 - b. Texture surface with texture sponge.
 - c. Peel the paper from the back of the clay and set the disc aside.
 - d. Place larger cutter on clay and cut through.
3. Disc Two – Backfilling in the Raw
 - a. Roll black clay through 3rd thickest setting of pasta machine.
 - b. Place on deli paper and rest smaller cutter on clay, trim around.
 - c. With ball stylus, draw design on clay, make it simple.
 - d. Repeatedly draw the lines to create deep channels.
 - e. Brush the surface with the brush to remove bits of clay.
 - f. Roll white clay through 6th thickest setting of pasta machine.
 - g. Cut thin strips of clay and roll them to make very thin, round snakes.
 - h. Lay the snakes in the channels.
 - i. Lay deli paper on the clay then burnish the top to close black clay around the snakes. The top should be smooth.
 - j. Lift the paper, then pierce the surface with the fine needle. Texture with the sponge.
 - k. Peel the paper from the back.
 - l. Lay the smaller cutter on the clay and cut through.
4. Press the larger disc to the inside of the bowl, press from the center, out to the edges. Repeat with smaller disc. Pierce tiny holes in clay.
5. Cure the discs for 20 minutes at 300 degrees. (150C)
6. Remove from oven and if you detect air bubbles, pry the discs loose, plunge in cold water and press them flat.

B. Backing the Discs

- a. Sand the edges of both discs.
- b. Roll black clay through 8th thickest setting of machine.
- c. Apply Kato Clear Medium to the back of the disc.
- d. Lay the clay onto the disc and press from the center to the edges.
- e. Continue working on creating the hanger in the larger metal disc. Following the same backing instructions, you will cover the smaller disc after the metal disc with the hanger is cured.

C. Creating the Hanger in the Larger Metal Disc

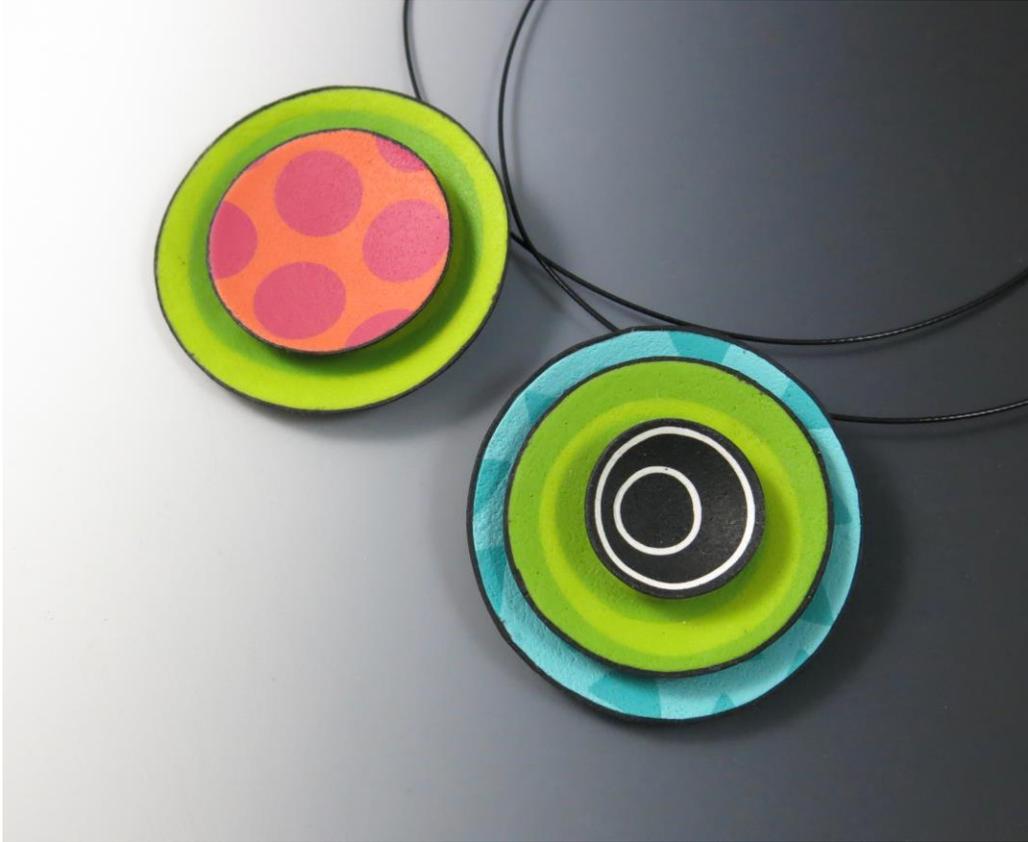
- a. Roll black clay through the thickest setting.
- b. Cut in half and stack one on top of the other.
- c. Cut a rectangle measuring approx. 1" by ¾" (2.5cm x 2cm).
- d. Starting at one edge of the 2 cm side, make an angled cut to the opposite 2cm edge. When the rectangle is separated you'll have two wedges. Trim this to approx 1.5cm x 1.5cm.
- e. Press a cut side to the back of the disc. The position is not dead center, the top of the wedge should be approx. 1 cm from the edge of the disc. Pierce where the cord will be sunk into the clay.
- f. Texture the flat area of the wedge.
- g. Cure this, face down in baking soda for an additional 20 minutes at 320 degrees F (160C).
- h. NOTE: This piece must be cured before the discs are assembled.

D. Assembly

- A. Scrape the center of the metal foil disc. This will improve the clay adhesion.
- B. Back the smaller disc.
- C. Roll black clay through 3rd thickest setting, cut in half and stack one half on top of the other.
- D. Roll a small ball of black clay – approx. 1 cm in diameter.
- E. Apply Kato Clear Medium to the scraped area of the metal area, then press the clay ball to the liquid.
- F. Position the second disc on the piece and press it firmly onto the clay pad. Be aware of where the hanger is, if you've made the stripes as I have, you'll want them perfectly horizontal or vertical. If you choose to angle them, make sure that someone who sees it will know you made an intentional decision and not a slight error in positioning.
- G. Place the assemble discs into the baking soda, discs up.
- H. Cure the piece for an additional 20 minutes at 320F (160C).

E. Drilling hanger holes

1. With hand drill, drill holes in cured back.
2. Glue piece of buna in holes with o ring hanger.
3. Thread onto wire choker and wear!



Example: Discs with Color Replacement Techniques