



Nefertiti Necklace

A Microwave Fusing project

PROJECT TITLE:
Nefertiti Necklace

DESIGNED BY: Jeanne Baruth

SKILL LEVEL: *(Adult 1-5: 1 being the easiest, 5 being most difficult)*
4

TIME TO COMPLETE:
3 hours

PROJECT TIP:

Wear safety glasses when using glass-crafting tools.
Always read and follow kiln safety rules and warnings.

INSTRUCTIONS:

- 1) Clean glass using paper towel moistened with water. Completely dry the surface of the glass with a lint free cloth.
- 2) Cut a 2" X 2" piece of kiln paper. Remove the lid from the Fuseworks™ Kiln. Place the kiln paper on the kiln base.
- 3) Position the Green Dichroic Fusible Shape on the center of the kiln paper.
- 4) Cover with a Clear Fusible Shape.
- 5) Carefully set the base with glass inside the microwave and cover with kiln lid. Fuse in a 1200-watt microwave at 50% for 2 minutes; 80% at 1 minute; 30 seconds. If using a microwave with a lower wattage, increase the power percentage but keep time consistent. PLEASE NOTE: All microwave and kiln combinations will have different firing patterns. Be sure to take careful notes and log all fusing times for future use.
- 6) After time has expired, open microwave and, using Hot Mitts, carefully lift the lid enough to inspect the fusing process. The glass is fused when the edges of the glass are nicely rounded. If necessary, continue to microwave at 15-second increments until desired results are achieved.
- 7) Remove kiln from microwave using the Hot Mitts and place on a heat resistant surface. Cool the kiln for at least 30 minutes WITH THE LID ON. **CAUTION:** Removing the lid or peeking under the lid during the cooling stage may result in your piece cracking. Glass remains hot for a long time handle with great care.

- 8) Cut two 8" lengths of 14 gauge copper wire and 10 ½" lengths of copper toned chain. Cut one 2" length of 20 gauge copper wire.
- 9) Use a wire coiler to form a snake with both 8" lengths of copper wire. Set up the pegs as shown in (Fig.1). Create a closed loop on each end.

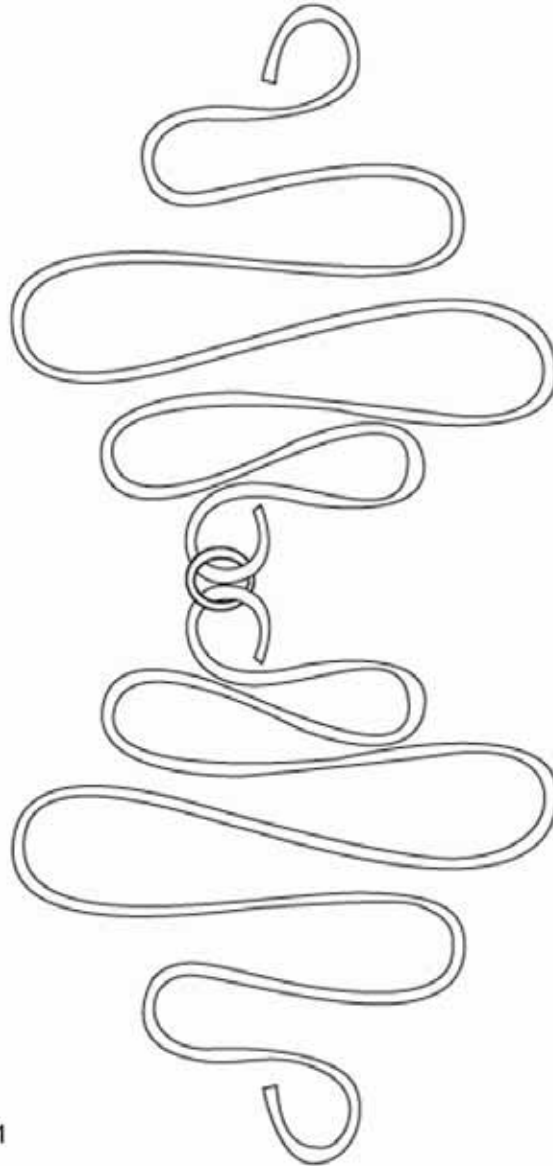


Fig. 1

- 10) Work with one wire at a time. Wrap a paper towel around the wire several times. Place the paper wrapped wire on concrete and strike with a hammer to flatten the wire between the loops. Note: The copper becomes quite warm, handle with care.
- 11) If burrs appear on the copper, use a fine grit file to smooth them. Position the copper wires and the medallion as shown in (Fig. 2). Lace the two snakes together with the 20 gauge copper. Start on the backside go around the loops 3 times, end on the backside of the snakes. Come up and over

the three rows, through the medallion opening. Trim and tuck the end into the center of the three loops.



Fig. 2

- 12) Attach jump rings to the free ends of the snakes and attach chain to each end. Finish the free ends of the chain with a lobster closure and a jump ring.
- 13) Glue the fused dichroic round to the center of the medallion and allow it to dry following the manufacturer's instructions.

MATERIALS CHECKLIST:

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Fuseworks™ Microwave Kiln
Fuseworks™ Kiln Paper
Fuseworks™ Fusible Shapes Clear
Fuseworks™ Fusible Shapes Green Dichroic
Safety Glasses
E-6000®
Copper Wire – two 8" lengths of 14 gauge and one 2" length of 20 gauge
Copper Tone Chain – two 10 ½" lengths
Copper Jump Rings – 3
Copper Lobster Claw Closure
Copper Medallion – (www.nunndesign.com Item #gpcs-cb)
Wire Wrapping Jig (www.beadalon.com)
Hammer

Paper Towel
Metal File
Wire Cutters
Hot mitts
Safety Glasses