

# Fused Glass Pendant

In just a few simple steps, you can create colorful fused glass pieces—and no two will ever look alike!

steps:

## Scoring and breaking the glass

1. Choose a color from the **1.8mm sheet glass** and determine the size of the finished pendant (this will be the base of the pendant).
2. Place the sheet on the **cutting board**. Check that the **Toyo pistol grip glass cutter** still has **glass-cutting oil** in the handle; refill if necessary. Hold the cutter with the blade away from you. Slowly push the cutter away from you while pressing into the glass; you will hear a “scratch” noise as the blade scores the glass. **Tip:** To make a straight line, look ahead to the opposite end of the piece (it’s just like driving!).  
**Note:** You don’t need to press hard, just enough to score the surface once.
3. If you’ve scored the glass properly, it will be relatively simple to break. Hold the sheet in one hand and the **running pliers** in the other, aligning the tick mark on the jaw with the score on the glass sheet.
4. Gently squeeze the pliers, applying just enough pressure to snap the glass at the score.

Repeat these steps to cut a piece of clear glass to the same dimensions as the colored glass (this will be the top layer).

## Creating the pendant.

**NOTE:** All glass must be cleaned with **glass cleaner** before fusing.

1. Using the **Blue Heron™ diamond tweezers**, place small pieces of **dichroic glass, noodles, confetti** and **frit** onto the base piece. If you choose, you can adhere the dichroic pieces by applying a small amount of **Rio enamel adhesive** to the base first.
2. Lay the clear piece on top and align the edges with the base piece. If you used the Rio enamel adhesive, it will temporarily secure the smaller pieces in place and will burn off during firing. Use the **scissors** to cut a piece of **firing paper** larger than the pendant but small enough to fit on the **ceramic shelf**; carefully lay the pendant in the center of the paper, then on top of the shelf.
3. Place the ceramic shelf inside the center of the **Rio PMC® kiln**. Ramp at 500°F/hour to 1500°F and hold for 10 minutes. After the hold, open the kiln door 1/2" to crash-cool. Once the kiln temperature drops to 1050°F, close the door again and allow the kiln to cool completely. **CAUTION!** If you choose to look in the kiln, make sure to wear the **Solaris safety glasses**.
4. Once the kiln is completely cool, remove the fused glass piece and clean it with water. To finish, try wire-wrapping the piece into a unique pendant.



supplies:

Description	Order #	Qty.
Confetti, Mardi Gras mix	340-912	4-oz. jar
Sheet glass, 1.8mm assortment; 2 <sup>3</sup> / <sub>4</sub> " x 4"	340-700	1 sheet
Frit assortment, starter kit; 25 jars	340-299	1 kit
Glass noodles, Mardi Gras assortment	340-129	1 asst.
Dichroic thin sheet mini assortment; 2" x 2"	340-856	1 asst.
Rio PMC® kiln	703-117	1
Firing paper, thick; 24" x 24" x 1/8"	500-192	1 pkg.
Kiln ceramic shelf kit	703-080	1
Running pliers with plastic-lined jaws	111-634	1
Toyo pistol grip glass cutter (refill oil #111-640)	111-681	1
Citation safety glasses	201-053	1
Solaris safety glasses, IR green, #3	201-052	1
Blue Heron™ diamond tweezer, fine tip	115-536	1
Rio Enamel Adhesive	350-041	1 pint
Cutting board	—	1
Scissors	—	1
Glass cleaner	—	as needed

## IMPORTANT!

Always wear your **Citation safety glasses** when cutting and breaking glass.

## IMPORTANT!

All System 96® glass has a coefficient of expansion (COE) of 96. The COE indicates how fast or slow a particular glass expands and contracts as it heats or cools. Pay close attention to this measurement with any glass you purchase: never mix glass with different coefficients of expansion. Doing so will cause weakness in and eventual breakage of your pieces.



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