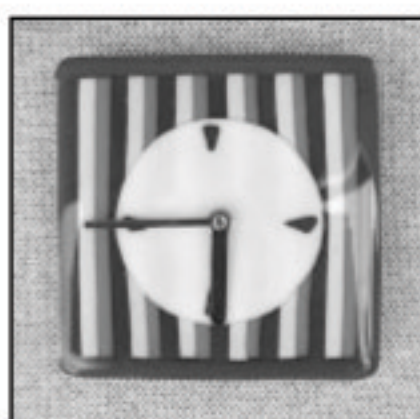




Before Firing



After Firing

Materials for 2 Projects:

Qty	Item Number	Description
1*	#B110150	One 5" Clear Square
1*	#B012050	One 3" Yellow Opal Circle and Six 4-1/2" x 1/4" Long Yellow Strips
1*	#B014750	Two 5" x 1/4" Long Blue Strips and Seven 4-1/2" x 1/4" Long Blue Strips
1*	#B012550	Six 4-1/2" x 1/4" Long Orange Strips
2	#6600	Small Clock Movements (Gold Fancy Hands)
1	#5126	1/4" Diamond Drill Bit

*One small sheet, cut as described.

Additional Tools Used: Toyo Glass Cutter #5104 or Circle/Strip Cutter #5113, Running Pliers #5068, Breaker/Grozer Pliers #5066, Safety Glasses #5163.

Directions:

Refer to Delphi's Instructions on Fusing for detailed directions.

1. Cut glass into shapes. For glass cutting directions see Delphi's Instructions on Beginning Stained Glass handout or the Stained Glass Made Easy Video #6149V.
2. On a kiln washed shelf, place the 4-1/2" strips from top to bottom in the following pattern: blue, yellow, orange.
3. Place the remaining two blue strips on either side of the stripes.
4. Cover with the clear square and place yellow circle on top.
5. Place four blue chips on the 12:00, 3:00, 6:00 and 9:00 positions.
6. Place clock in kiln and fuse flat (*see Fusing Schedule on page 2*).
7. Drill hole in center, grind edges if necessary and fire polish.
8. Assemble clock movement and hands.

Project from
"Glass Fusing Made Easy"
Artist: Penny Homes

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Fusing Schedule: Use for table top kilns, pieces 1/4" thick, and 3"-6" in diameter (larger pieces should be heated and cooled slower to prevent thermal shock).

Dial Setting & Time	Kiln Temp.	Glass Stage
2 for 20 minutes (check kiln)	About 500° F	No change in glass
3 for 30 minutes (check kiln)	About 1000° F	Still no change in glass
4 for 10 minutes (check kiln)	About 1500° F	Glass should be slightly more than tack fused
4 for 5 minutes (check kiln)	About 1500° F	Glass should be full fused (see below)

Once desired look has been achieved, turn off the kiln.

1. To stop the fusing process, flash vent the glass to let the heat out by holding the lid off the kiln about 8 seconds and watching the glass surface turn from orange to blackish (the color will return to the glass as it cools).
2. Replace the lid and turn the kiln on low for 20 minutes. This will keep the kiln approximately 1000-1200°, allowing a minimal annealing cycle. Turn off the kiln and cool naturally to room temperature.

If more melting is desired, turn dial to 5, but do not leave kiln.

1. It is easy to over fire glass at this temperature and ruin the piece. Let the kiln heat to 1600° and turn the dial back to 4. This will allow the kiln to get slightly hotter, without continuing to gain heat.
2. Check the piece every 3 minutes and try not to let the kiln go above 1600°. When the desired look is achieved, follow the instructions above.