

# SUNFLOWER CLOCK



## BUILD

QUESTIONS? Go to [www.rockler.com](http://www.rockler.com) or call 800-279-4441

### Stock # Item

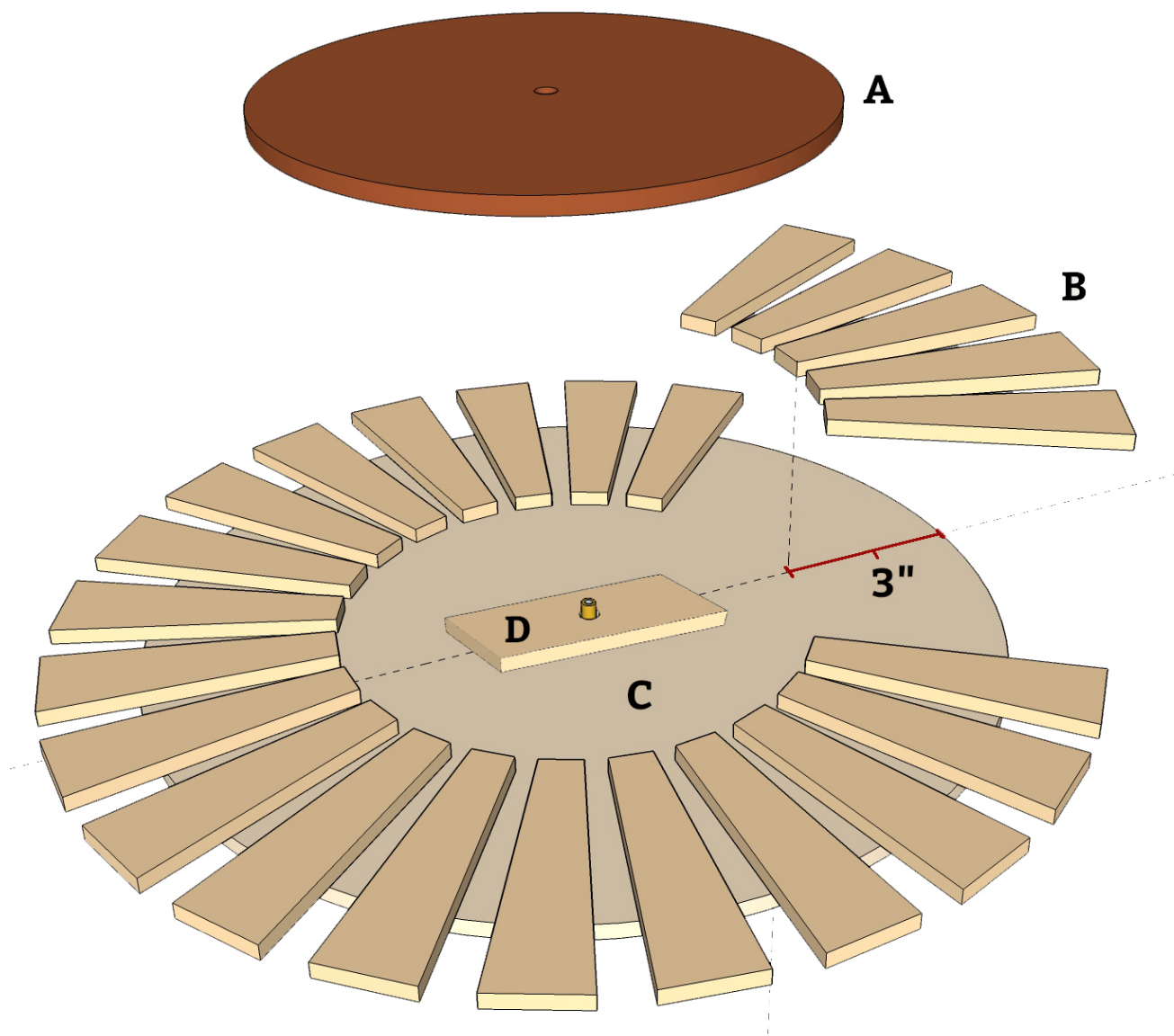
- 27291 1/4" x 3" x 24" – Wenge (1) \*
- 30113 1/4" x 3" x 24" – Yellowheart (3) \*
- 44133 1/4" x 24" x 48" - Cherry Plywood (1)\*
- 35122 3/4" Max Face Thickness Mini (1)
- 62101 Popsicle Stick Clock Hands (1 set)
- 57550 Small Parts Taper Jig
- 56813 5/16"-diameter Drill Bit

### \* Alternative Materials

- 65100 1/4" x 3" x 24" - Walnut (1)
- 65069 1/4" x 3" x 24" – Maple (1)
- 22797 Lemon Yellow TransTint® Dye
- 63420 1/4" Baltic Birch Plywood - 24"W x 30"L

All items subject to changes in availability.

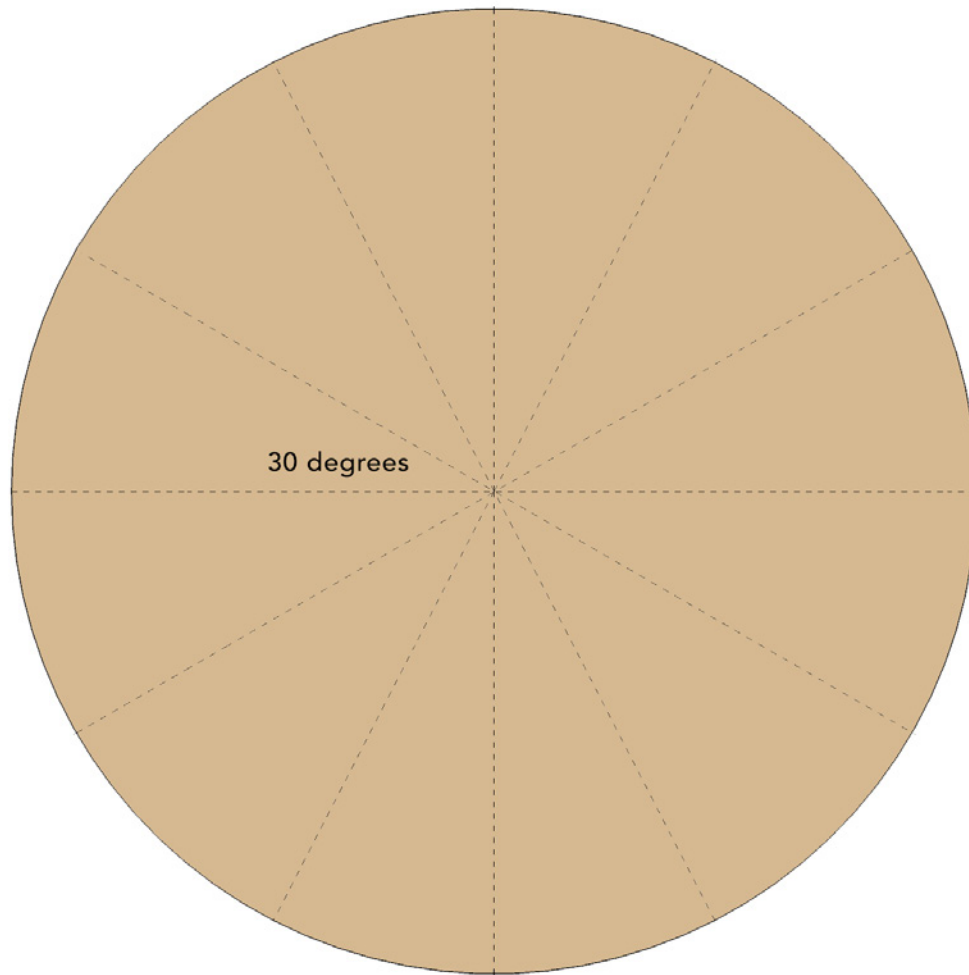
## Exploded View



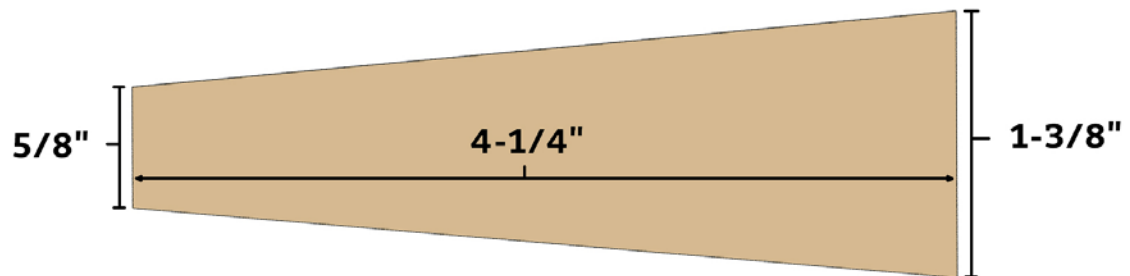
### MATERIAL LIST

A Face (1)	$\frac{1}{4}$ " x $7\frac{7}{8}$ " -diameter
B Petals (24)	$\frac{1}{4}$ " x $1\frac{3}{8}$ " x $4\frac{1}{4}$ "
C Back (1)	$\frac{1}{4}$ " x 13" -diameter
D Filler Block (1)	$\frac{1}{4}$ " x $1\frac{3}{8}$ " x 4

## Petal Layout Detail



## Petal Detail



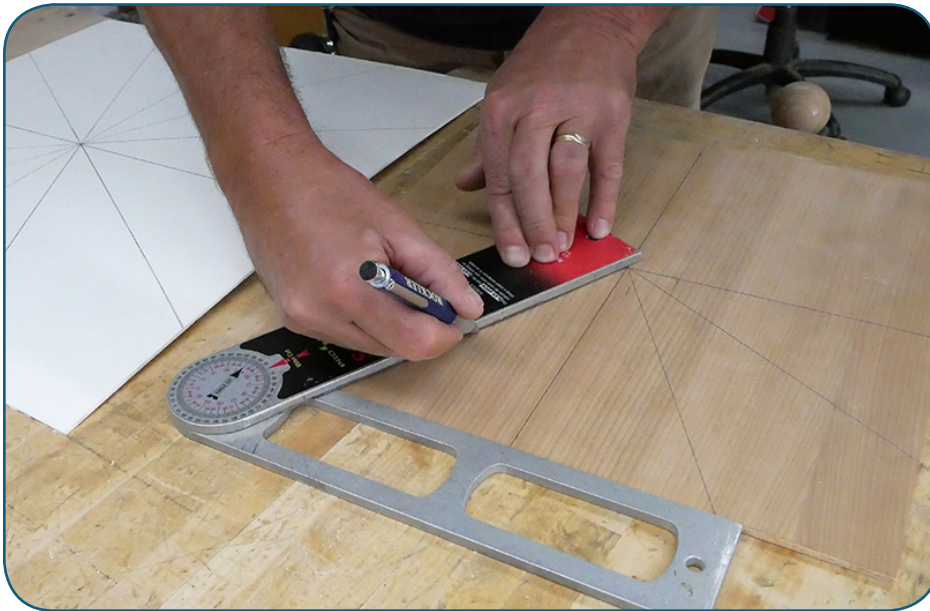


## PROJECT OVERVIEW

This Sunflower Clock will brighten any room with its yellow petals and dark brown face. We used a combination of solid wenge, solid yellowheart and cherry plywood to make this clock. These specialty woods are available from Rockler, but if you have trouble finding them, you could substitute walnut for the wenge and maple that is dyed yellow for the yellowheart. You could also use Baltic birch plywood for all of the parts and color each part with dye stain.

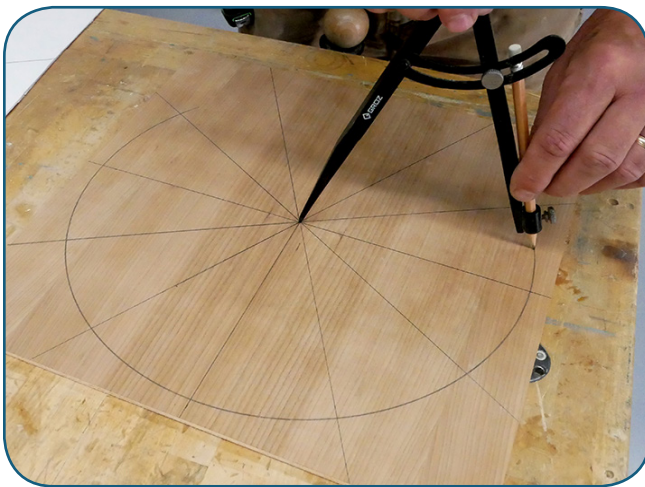
The tapered petals are easy to cut using the Rockler Small Parts Taper Jig and a table saw.

### 1. LAY OUT THE PETAL ALIGNMENT LINES



Refer to the Petal Layout Detail drawing on p.3 and use a protractor or angle-finder tool to mark the petal alignment lines on the cherry plywood Back (C) and on a piece of paper that is at least 16" x 16". The paper will be used to help align the petals.

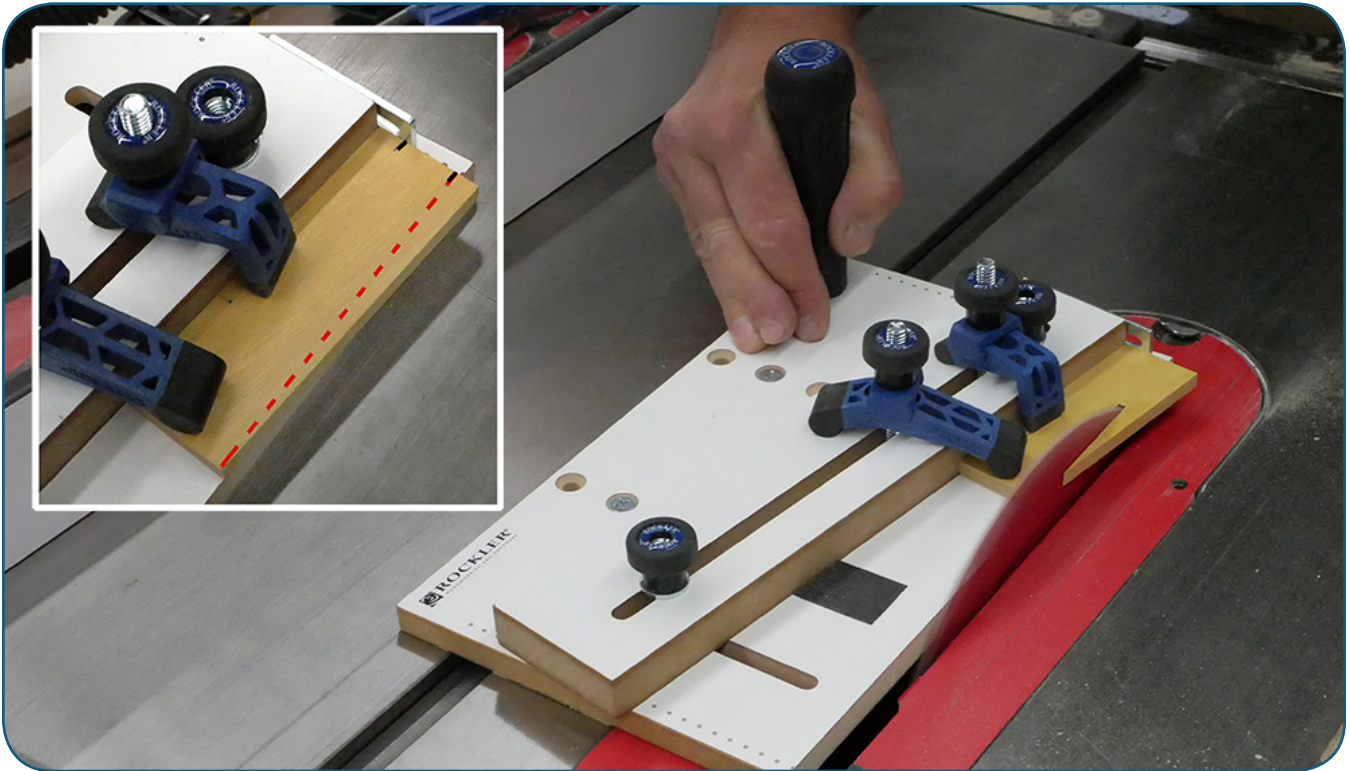
### 2. CUT OUT THE BACK AND FACE PIECES



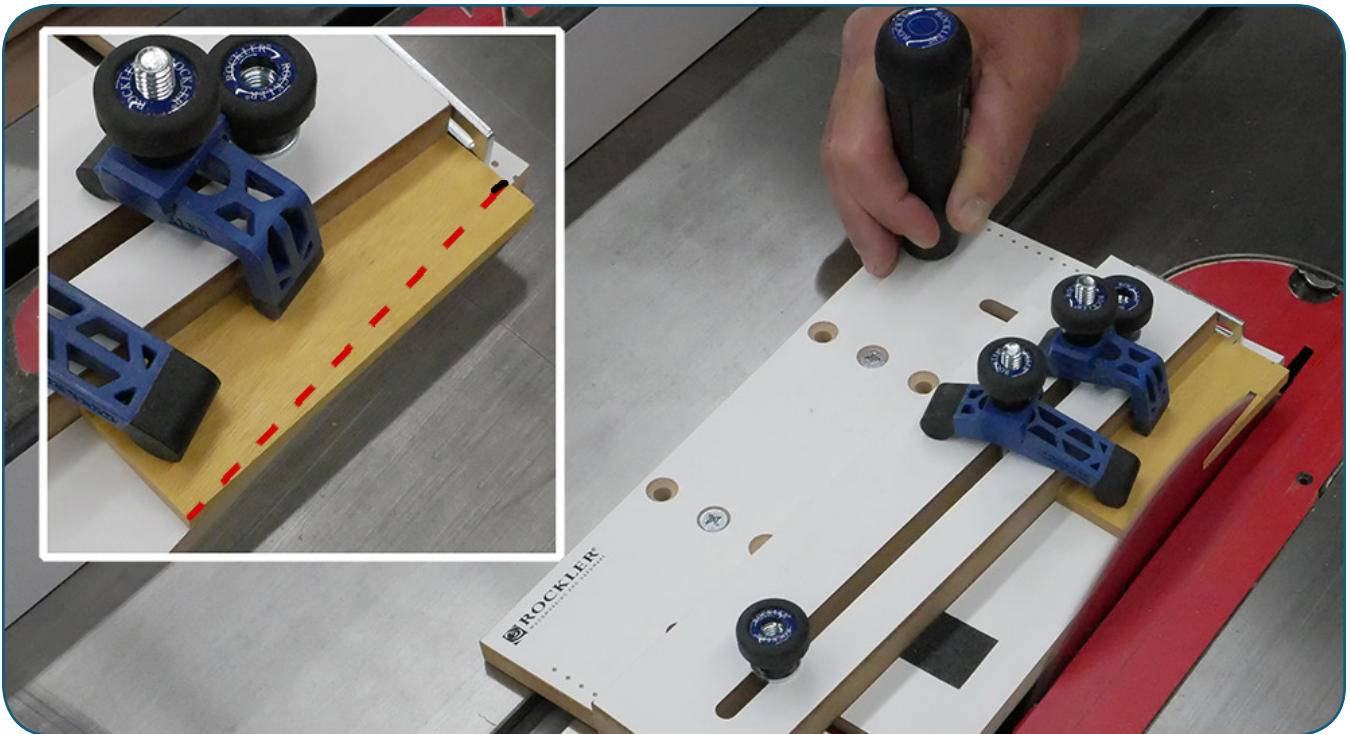
Use a compass to draw the 13"-diameter perimeter on the Back piece (left). Then cut the wenge Face (A) stock into 8"-long pieces and edge glue them together to make the Face piece. Next, mark a 7-7/8" circle in the center of the Face piece. Cut out both pieces (right). Cut just outside the line on each piece and sand flush to the line.



### 3. CUT THE TAPERED PETALS



Cut twenty-four petal pieces to  $1\text{--}3/8"$  x  $4\text{--}1/4"$ . Each petal will taper from  $1\text{--}3/8"$  wide to  $5/8"$  wide (see Petal Detail, p.3). Use the Small Parts Taper Jig (57550) and table saw cut the tapers along both long edges of each petal. Set up the first taper cut to follow a line from the front corner to a mark that is  $3/8"$  in from the opposite corner (inset photo). Make this first taper cut on all twenty-four petals.



Next, flip each petal over to taper cut the the same taper along the opposite edge. You must reset the Small Parts Taper Jig to cut a line from the front corner to a mark  $3/8"$  in from the opposite corner (inset photo).



#### 4. ATTACH THE PETALS TO THE BACK



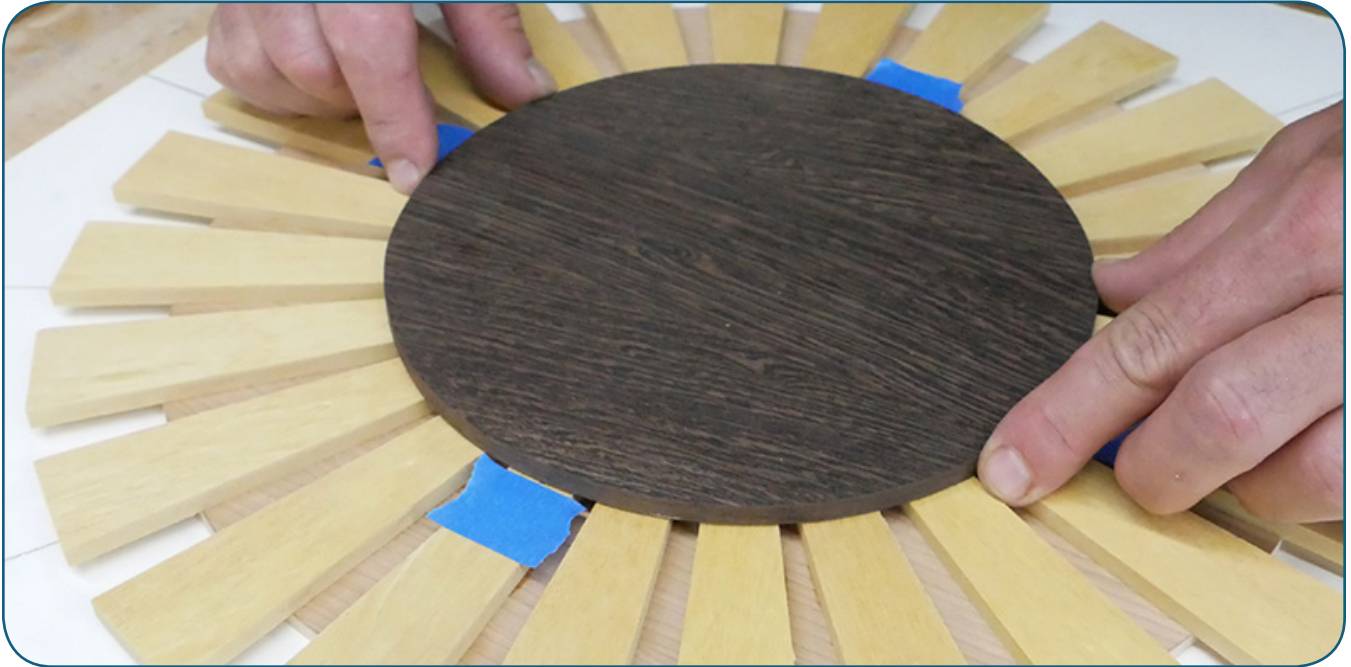
Use a compass to draw a 3-1/2" radius circle on the Back. Place the Back on top of the paper and align the layout lines on the paper and the Back. Attach a petal over each layout line with glue. Apply a bead of glue on the line and center the petal over the layout line with the narrow end tangent with the inside circle. Use the lines on the paper to help align the wider end of each petal. Next, attach a petal between the petals that have already been attached.

#### 5. ATTACH THE FACE TO THE PETALS



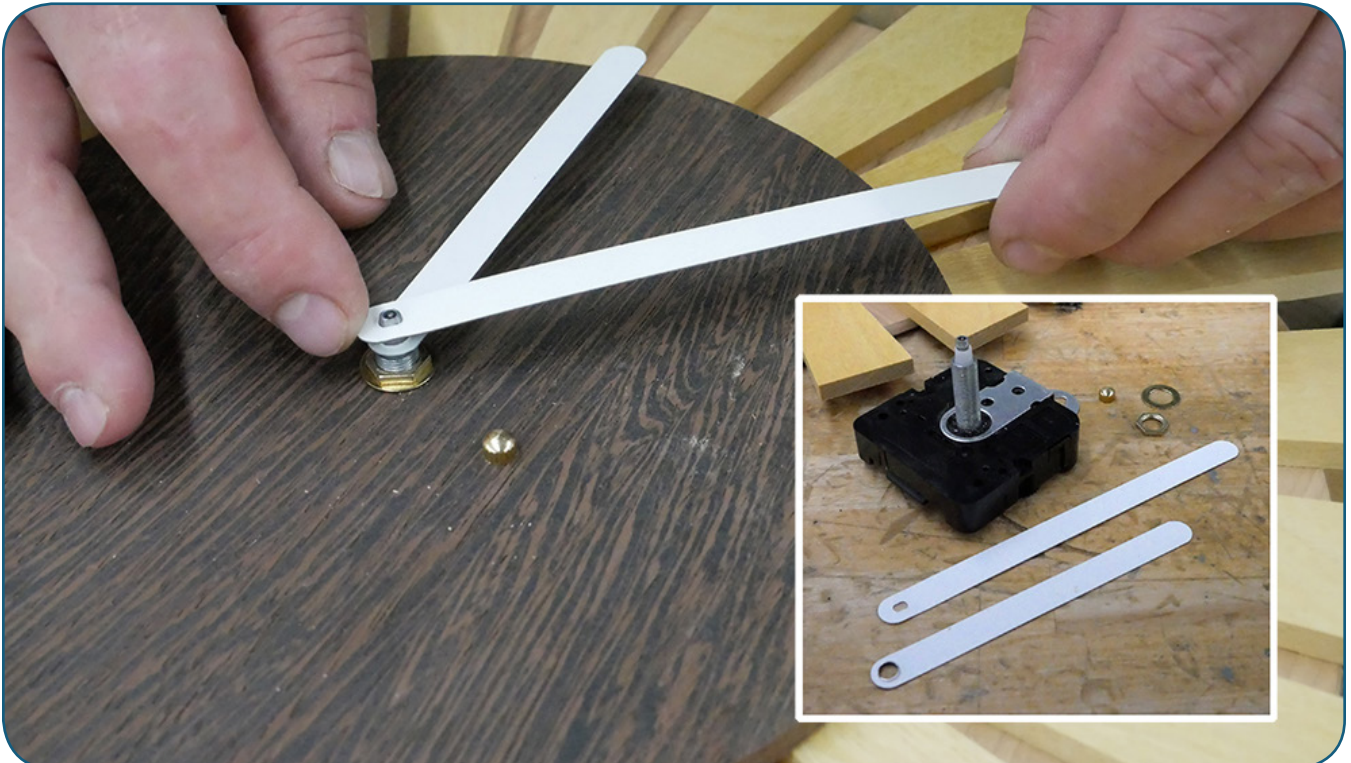
Glue the Filler Block over the center of the Back. Then center the Face on the Petals and apply painter's tape to mark the edges of the Face. Apply a bead of glue to the Filler Block and next to each piece of tape.

## 6. ATTACH THE FACE TO THE PETALS (CONT.)



Press the Face into place immediately after applying the glue.

## 7. INSTALL CLOCK MECHANISM



Drill a 5/16" hole through the center of the clock face. Follow the installation instructions for the clock mechanism.