

# MAKERY PROJECT: Upcycled Wine Bottle Vase

(using Bottle Cutter)

**TIME:** 30 minutes

**SKILL:** Beginner

Bottle cutting is a great way to reuse resources. You can make custom presents like glasses and candle holders. Here, we show you how to make a simple vase, perfect for succulents.

**Note:** Children younger than middle school must be directly supervised by an adult.



## Materials You Need to Bring



GLASS BOTTLE

## Materials You Need at Home



CANDLE



LARGE CONTAINER  
OF ICE WATER



TIMER



COARSE  
SANDPAPER

## Equipment Provided in the Makery



BOTTLE CUTTER



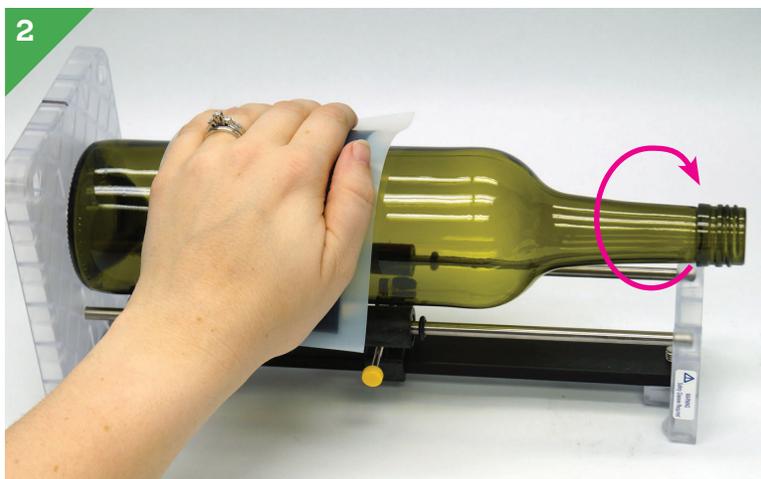
SAFETY GLASSES



SHARPIE

## TIPS:

- Bringing extra materials is always a good idea.



Watch the process in action: [elmlib.org/bottlecutter](http://elmlib.org/bottlecutter)

## 1 PREP:

- a. Put on your safety glasses.
- b. Adjust the cutting blade by loosening the black screw and sliding the blade to the desired location on the silver slide bar.
- c. Loosen the yellow thumb screw while pushing down on the blade with a cork.

**NOTE:** Never loosen the yellow screw without a cork or a bottle on it. The pressure of the spring could cause it to fly out.

- d. Place bottle on roller carriage.
- e. Mark on the bottle with a Sharpie Marker. This is your starting point, so you know when you have rotated the bottle 360°.

**NOTE:** Over-scoring will result in a bad break. Never rotate the bottle more than 360°.

## 2 SCORE:

Place the palm protector on the bottle and press firmly while rotating by holding the neck of the bottle. You should hear a slight scratching sound. When the black sharpie mark comes around to meet the base mark, you have completed the 360° score. Before removing the bottle, re-tighten the yellow screw.

**NOTE:** Never score a bottle more than once.

## 3 SEPARATING:

- a. Take your bottle home. Set up a station with a candle, a stopwatch/timer, and a container of ice water deep enough to submerge the glass bottle.
- b. Hold the bottle's score line 1/2 inch above the candle flame and rotate for 90 seconds.
- c. Immediately plunge into the ice water, bottom first, keeping the bottle neck above water. If the glass doesn't come apart easily, repeat the last two steps until it does.

**NOTE:** Be patient, as you may need to repeat these steps several times. Never force the glass to break.

## 4 FINISHING:

Once the bottle has cooled, use coarse sandpaper to sand the edges smooth.