

BOOMB X TIME

BOOMbox at Home

DIY Timepieces

A time piece is a device used to measure, keep track of, or display time. We see them every day in analog or digital clocks. These can include phones, watches, smart watches, computers, your microwave, and more. For this activity we are going to design and construct our very own mock timepieces.

Supplies

- Clean or cleaned reusable coffee cups
- Markers to decorate
- Scissors
- Hole punch
- Tape or glue
- Brass fastener

Instructions

1. First cut two, 2-inch sections on the cup directly across from each other. Cut from the top to the base of the cup.



2. Flare out the two sections of the cup and cut the excess off, leaving the base intact.

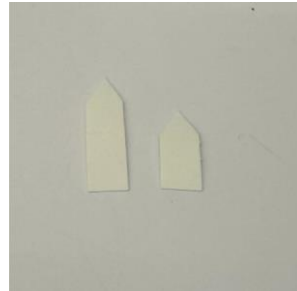
Before



After



3. Take the excess of the cup and cut a $\frac{1}{2}$ inch strip. Cut the strip into the hour hand and minute hand of the clock.



4. Puncture a hole in the base of the cup using a pen/pencil. Use a hole puncher to puncture a hole in the minute and hour hands.



5. Put the hour and minute hand on the base of the cup and overlay the holes. Stick a brass fastener through all the holes and clamp it on the back of the cup. Design and color your watch to finish!



Want to explore more?

- Learn more about timekeeping by making your own water clock with NanoGirl on YouTube [here](#).
- Learn about solar clocks by building your sundial with a [step-by-step guide](#) from NASA.

What will you learn today?