

# Museum of Craft and Design

## SANDS OF TIME



## PROJECT DESCRIPTION

Watch the sands of time rotate over and over with this project! Our upcoming exhibition, [\*Design by Time\*](#), is all about how time moves and manifests. What better way to dive in than by holding a piece of time yourself? Race against the clock and see how quickly you can build a majestic hourglass of your own.

Plus, your new device will be able to be used for future exhibition-related projects throughout the run of the show!

## RECOMMENDED AGE/SKILL LEVEL

Recommended for ages 12 and up with adult supervision.

## MATERIALS

- 2 small cardboard squares (3.5" x 3.5")
  - 2 plastic wine glasses
  - Salt, sand, or sugar
  - Hot glue gun
  - Scissors
  - Pencil
  - Sewing needle, large safety pin or other sharp metal point
  - Ruler
- Optional Materials:**
- Wooden dowels or sticks
  - Drill
  - Mini hand saw
  - Decorative elements (ribbon, rhinestones, paint, etc.)

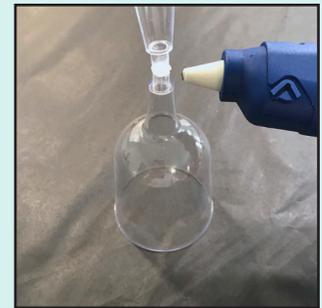


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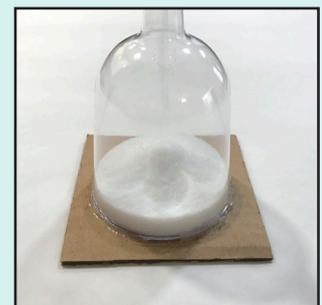
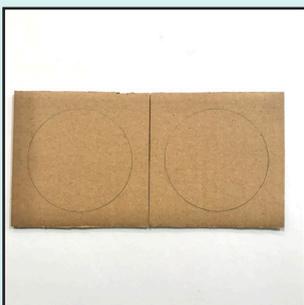
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### INSTRUCTIONS

- Remove the bases of the plastic wine glasses.
- Use a heated sewing needle, drill with a small bit, or some other kind of sharp metal pointed object to puncture a hole through the stem of the wine glasses.
  - Make sure the holes are large enough for contents to flow, but not so big that the timer runs too fast.
    - Practice running sand/salt/sugar through the hole and adjust the size of the opening as necessary.
    - *TIP:* Start with a small hole and then make it larger as needed.
  - Repeat the process with the second glass.
- Use the hot glue to attach the two plastic glasses together by their stems.



- Cut two cardboard squares with surfaces slightly larger than the rim of the plastic wine glasses.
  - This example uses pieces which measure 3.5" by 3.5"
- Trace the rim of a glass in the center of each cardboard piece.
- Apply hot glue along the circle line on one cardboard and attach to the bottom rim of the glass tower.
- When the attached base has dried, pour sand/salt/sugar into the top glass. The selected contents should fill up approximately half of the bottom glass.



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- When all contents have been poured in, glue the remaining cardboard to the top glass rim.
- *OPTIONAL:* Use your hot glue gun to wrap ribbon or twine around the perimeter of each glass. Add other embellishments as desired.
- *OPTIONAL:* Use a mini-hand saw to cut two wooden dowels or create densely rolled tubes of paper that are equal in height to the stacked glasses.
  - Glue them to the top and bottom bases.
    - These will provide extra stability, as well as a more comfortable way to hold your hourglass.
- When all glued parts have dried, flip your hourglass and face off against Father Time!
- *OPTIONAL:* You can use a stopwatch to time your timer and make note of just how long the sands of time are.



## ADDITIONAL RESOURCES

### CONNECT SOCIALLY AND LEARN MORE

**Facebook & Instagram:** @MuseumofCraftandDesign

**Twitter** @SF\_MCD

**Share your project!** Post and tag #MCDatHome

**Related materials:** [Find out how this little timekeeping device has carved its place in human history!](#)