

1-Piece Plaster Mold Making

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You will need:



Mold Prep

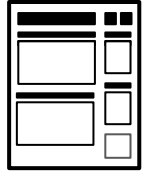
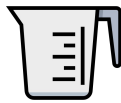
Silicone mold

Clay for mold

Plexiglass Slab

Metal flashing

Duck tape



Mold Making

Plaster

Water in a measuring cup

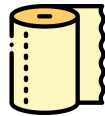
Mixing Cups 1 and 2

Scale

Whisk

Ruler

Design Sheet



Clean Up

Washout buckets 1 and 2

Paper towels

No sponges!
No sink!

1. Mold Prep

A. Fill silicone mold to the top with clay.

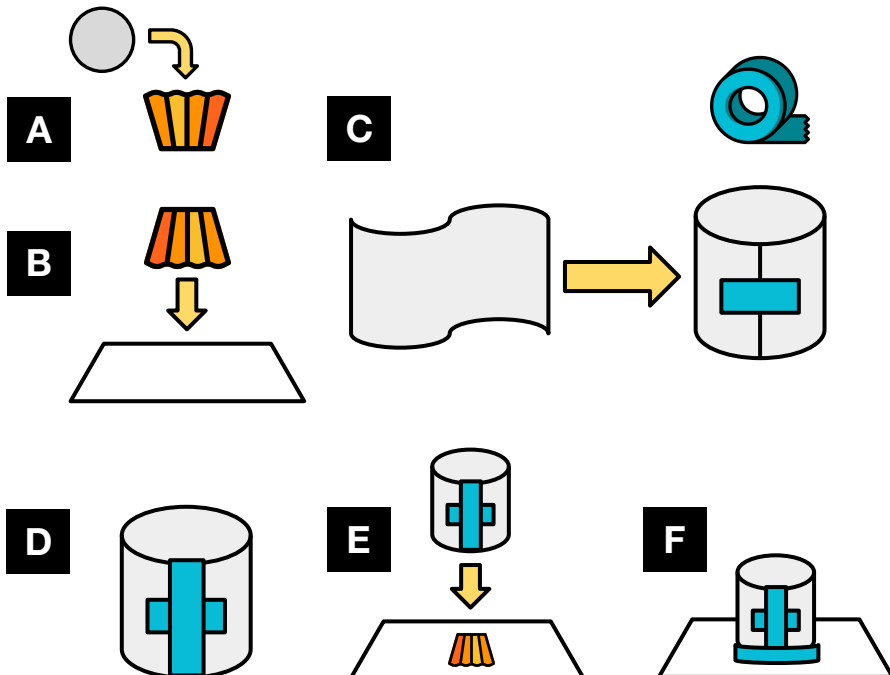
B. Place the silicone mold upside down on the plexiglass slab.

C. Curl the metal flashing sheet into a cylinder and put one horizontal piece of duck tape on the outer seam..

D. Now add a vertical piece of duck tape on the outer seam of the metal cylinder.

E. Put the metal cylinder on the plexiglass slab, surrounding the silicone mold.

F. Thoroughly tape the cylinder to the plexiglass slab.



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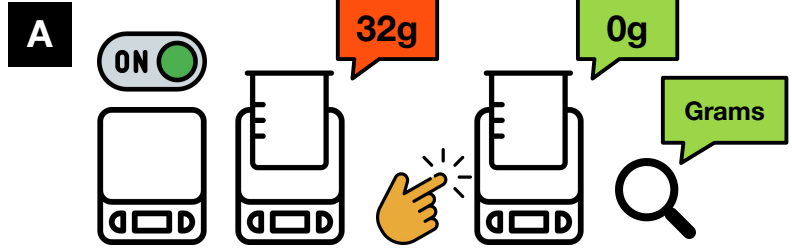
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2. Mold Making

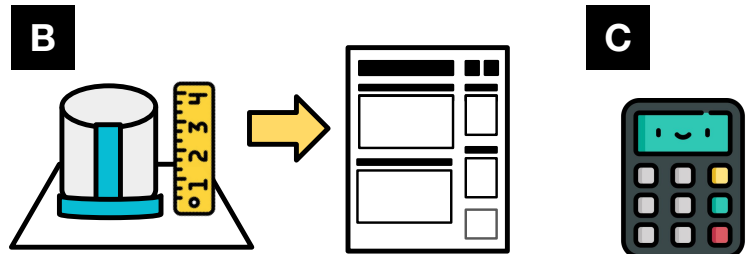
A. TARE the scale

- Turn the scale on
- Place *empty* Mixing Cup 1 on the scale
- Click the On/T button to tare the weight to 0
- Make sure the weight is set to GRAMS (g)

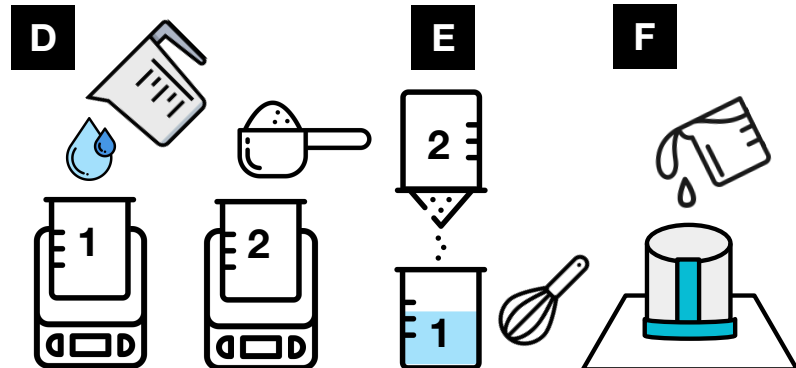


B. Measure the height and radius of the cylinder. Write down these amounts on your Design Sheet.

C. Go to <https://plaster.glazy.org/> to calculate your water and plaster measurements. Write down these amounts on your Design Sheet.



D. Fill Mixing Cup 1 with water and fill Mixing Cup 2 with plaster, both according to your measurements from Step 2C.



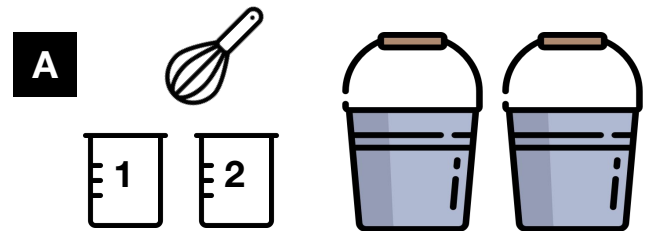
E. Gently sift the plaster from Mixing Cup 2 into the water in Mixing Cup 1. Whisk the plaster after it's been entirely poured into the water.

F. Pour the plaster + water mixture into your metal cylinder! Gently knock on the plexiglass to remove air bubbles. LOOK for Plaster Disasters!

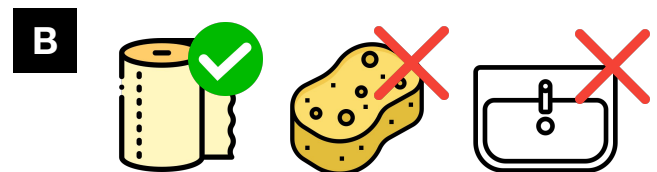
3. Clean Up

A. All materials that have come into contact with plaster have to go in Washout Buckets 1 and 2.

- Most common items: whisk and Mixing Cups 1 and 2
- Washout Bucket 1 = Lots of plaster, dirty water
- Washout Bucket 2 = second wash, cleaner water



B. Wipe up any excess plaster on the tables with paper towels. Do not use sponges at this step!



C. Return items to the Kiln Room :)

