



6802 Eastern Ave
Baltimore, MD 21224
410-631-6039

A custom glass-blowing studio that offers:

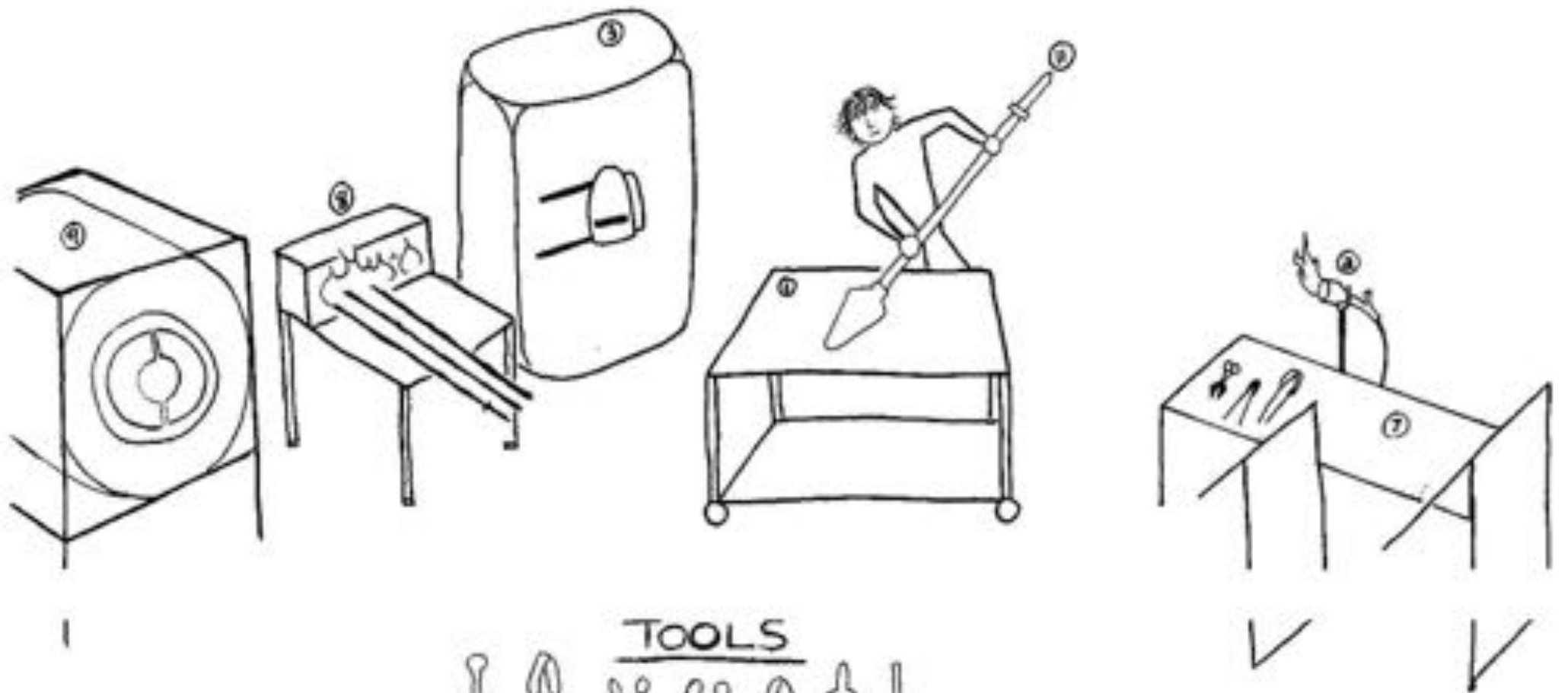
- Live glassblowing demonstrations & gallery tours
- Glassblowing classes for beginners, ages 5+
- Group events for birthdays, family reunions, friends, anniversaries, office groups, guests, and other events.

An educational field trip would include up to 40 students, \$100 for a group for an hour. This would include a glassblowing demonstration in the studio, including a few "assistants" from the group, a small glass figurine to take with the group, a tour of the gallery, free parking, and templates for follow-up activities for vocabulary, art, writing and reading.

This trip would be the centerpiece of learning about art, science, history and vocabulary. It can also be related to lessons in careers, business, and entrepreneurship.

McFadden

Art Glass



TOOLS



MCFADDEN ART GLASS videos & resources

https://www.youtube.com/watch?v=f0vAx3_tCCg bowl & start-up info 7:27

<https://www.youtube.com/watch?v=140vvlf70FQ> cane, vase 5:39

<https://www.youtube.com/watch?v=-F8dkXOn1X4> general 2:23

<https://www.youtube.com/watch?v=IDUfeLu8G5I> cane, interview 4:15

<https://www.youtube.com/watch?v=bw84zHCYq7Q> lg vase, team 5:31

<https://www.youtube.com/watch?v=VauC54RgCjc> interview 1:48

<https://www.youtube.com/watch?v=FVCyPuAwQTU> interview, demo 7:22

<http://wonderopolis.org/wonder/whats-the-science-of-glass-blowing/>

http://en.wikipedia.org/wiki/Art_glass

We also recommend going to the library and seeking books about glassblowing, glass art, and American glass artists.

WRITING PROMPTS

for McFadden Art Glass field trip

Answer with full sentences. Use answers to develop your own story.

1. Where did you go today?
2. What did it look like?
3. What did it feel like?
4. What did you see there?
5. What did you do there?
6. Where there things you had never seen or done before?
7. How is glassblowing done?
8. How many people are needed to make glass art?
9. What types of things can be made in a glassblowing studio?
10. Was there anything that surprised you?
11. Was there anything that amazed or fascinated you?
12. What new information did you learn from the trip?
13. What will you remember most about this trip?

The elements of glass are _____, _____ and _____.

The glass powder that is loaded into the melting furnace is called _____.

The temperature of the melting furnace is _____ degrees.

The temperature of the gloryhole that “fires” the glass is _____ degrees.

The temperature of the pick-up oven is _____ degrees.

The color of the glass in the melting furnace looks _____, but it is really clear.

The _____ is used to heat pieces that will be attached to another hot piece of glass.

The glassblower reaches a metal pipe into the melting furnace to pick up a _____ of glass with which to make something.

The metal table that is used to cool and shape the liquid glass is called a _____.

The blowpipe is used to create a _____ to expand the liquid into a glass shape.

A _____ is a metal rod used to transfer a glass piece from one rod to another.

The glassblower sits on a _____ while he shapes the glass form.

The _____ must continuously rotate the pipes or the liquid glass will be pulled to the floor by gravity.

The _____ is the place where the glass is slowly cooled to room temperature over 8 hours or more.

Sometimes the glassblower spins the pipe so that _____ will stretch the liquid glass into a long shape.

1,000	glassblower	pickup oven	centrifugal force	annealer
2,000	marver	orange	quartz silicate	limestone
2,300	gather	bench	soda ash	batch
	pontil	bubble		

McFadden Art Glass
www.mcfaddenartglass.com

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The elements of glass are soda ash, limestone and quartz silicate.

The glass powder that is loaded into the melting furnace is called batch.

The temperature of the melting furnace is 2,300 degrees.

The temperature of the gloryhole that "fires" the glass is 2,000 degrees.

The temperature of the pick-up oven is 1,000 degrees.

The color of the glass in the melting furnace looks orange, but it is really clear.

The pickup oven is used to heat pieces that will be attached to another hot piece of glass.

The glassblower reaches a metal pipe into the melting furnace to pick up a gather of glass with which to make something.

The metal table that is used to cool and shape the liquid glass is called a marver.

The blowpipe is used to create a bubble to expand the liquid into a glass shape.

A pontil is a metal rod used to transfer a glass piece from one rod to another.

The glassblower sits on a bench while he shapes the glass form.

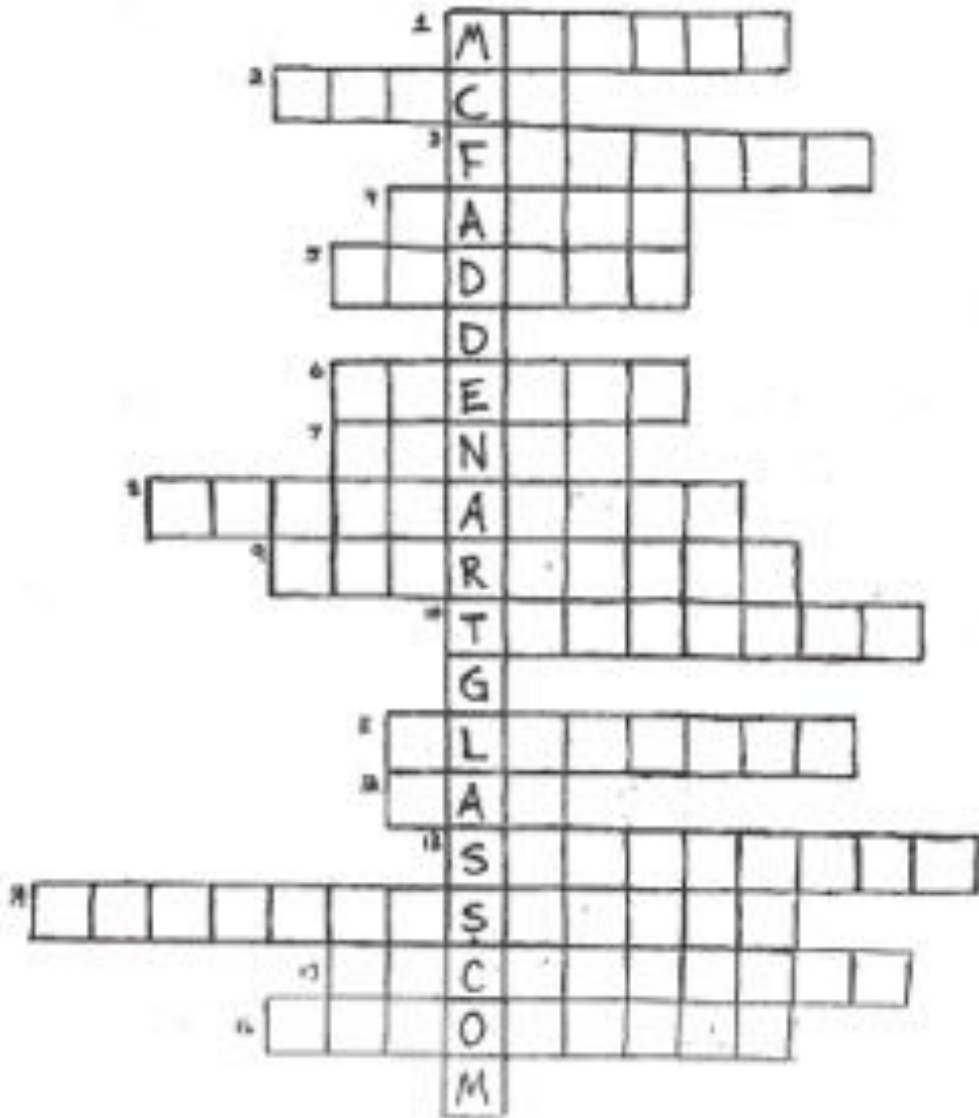
The glassblower must continuously rotate the pipes or the liquid glass will be pulled to the floor by gravity.

The annealer is the place where the glass is slowly cooled to room temperature over 8 hours or more.

Sometimes the glassblower spins the pipe so that centrifugal force will stretch the liquid glass into a long shape.

- | | | | | |
|---------|---------------|---------------|---------------------|-------------|
| ✓ 1,000 | ✓ glassblower | ✓ pickup oven | ✓ centrifugal force | ✓ annealer |
| ✓ 2,000 | ✓ marver | ✓ orange | ✓ quartz silicate | ✓ limestone |
| ✓ 2,300 | ✓ gather | ✓ bench | ✓ soda ash | ✓ batch |
| | ✓ pontil | ✓ bubble | | |

USE WITH STUDIO



TAG
 JACKS
 SHEARS
 BENCH
 TORCH

TWEEZERS
 BLOWPIPE
 FURNACE
 PADDLE
 COLORTRAY

MARVER
 DIAMONDSHEARS
 PIPEWARMER
 GLORYHOLE
 SOPHIETTA
 PICKUPOVEN

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