

THE CRUCIBLE

UPCOMING CLASSES
JAN–JUN 2020





BIKE SHOP

UPCOMING CLASSES **JAN-JUN 2020** ➤ TheCrucible.org/shop



Flat Fix

Bicycle Mechanic Workshop

ENTRY LEVEL

Perform a complete tune up on your own bicycle! As you disassemble and reassemble the entire bike, you will learn the names of the components and the tools used in a professional shop. Basic supplies are provided, but students will need to bring any specialty tires, cables, chains, and gears required. Some items may be available for sale at The Crucible.

1 SESSION

Jan 25	Saturday	10am-6pm	1WHL10H20-A
Feb 1	Saturday	10am-6pm	1WHL10H20-B
Mar 28	Saturday	10am-6pm	2WHL10H20-C
May 16	Saturday	10am-6pm	3WHL10H20-A

Price \$265.00 Member Price \$243.50

Flat Fix

ENTRY LEVEL

Students will learn how to properly uninstall a wheel and fix a flat on a bicycle. We will go over good and bad tube installation techniques as well as proper tire level options. We will also go over when and where it is appropriate to use patches. All are welcome!

1 SESSION

Feb 19	Wednesday 6:30-8:30pm	2WHL02B20-A
Apr 8	Wednesday 6:30-8:30pm	3WHL02B20-A
Jun 10	Wednesday 6:30-8:30pm	4WHL02B20-B

Price \$25.00 Member Price \$24.50

Sheet Metal Forming with Evan Wilcox

ENTRY LEVEL

Gain invaluable skills for fabricating parts for motorcycles, cars, airplanes, and sculptures. Learn how to form sheet metal into tanks, fenders, and fairings, using gas-aluminum welding, a planishing hammer, an English wheel, and hand forming tools. Class time is split between instruction and lab time where students can use Crucible equipment. You will have a chance to make your own project.

WEEKEND

Feb 16	Sat & Sun	11am-5pm	1WHL48A20-A
Jun 14	Sat & Sun	11am-5pm	4WHL48A20-A

Price \$675.00 Member Price \$620.00

YOUTH CLASSES JAN-JUL 2020

Youth Frame Alteration: Art Bike (ages 12-18)

ENTRY LEVEL

Customize your bicycle in this exciting workshop! Students learn basic fabrication skills in MIG welding, plasma cutting, grinding, and finishing to reconstruct bikes. Frames will be stripped and you will learn to redesign and alter handlebars, rims, seat posts, and frames to create a unique look that will make your bike the talk of the neighborhood.

SUMMER CAMP

Jun 22-26	Mon-Fri	9am-4pm	5YWHL11P20-YA
Jul 13-17	Mon-Fri	9am-4pm	5YWHL11P20-YB
Jul 27-31	Mon-Fri	9am-4pm	5YWHL11P20-YC

Price \$900.00 Member Price \$830.00

Youth Gravity Cars (ages 8-11)

ENTRY LEVEL

Build. Test. Adjust. Race! Gravity Cars is a no-rules miniature car building and racing competition on a large, undulating track inspired by the Nerdy Derby. Gravity Cars reward creativity, cleverness, and ingenuity.

SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YWHL42K20-YA
Jun 22-26	Mon-Fri	9am-12pm	5YWHL42K20-YB
Jul 13-17	Mon-Fri	9am-12pm	5YWHL42K20-YD

Jul 6-10	Mon-Fri	1-4pm	5YWHL42M20-YC
Jul 20-24	Mon-Fri	1-4pm	5YWHL42M20-YE
Jul 27-31	Mon-Fri	1-4pm	5YWHL42M20-YF

Price \$325.00 Member Price \$297.50

Youth Skateboard Building (ages 12-18)

ENTRY LEVEL

Design and build your very own custom skateboard from seven layers of hard maple veneer. Learn woodworking techniques and the concepts of vacuum press veneering and bending wood. You will practice using basic woodworking power tools, including the band saw and power sanders, as well as hand tools, such as files, rasps, and planes. Apply a basic wood finish and set up your skateboard deck to ride. This course is based on the book, The Handmade Skateboard, by Matt Berger.

SUMMER CAMP

Jun 22-26	Mon-Fri	9am-12pm	5YWHL17K20-YA
Jul 13-17	Mon-Fri	1-4pm	5YWHL17M20-YB
Jul 27-31	Mon-Fri	1-4pm	5YWHL17M20-YC

Price \$550.00 Member Price \$516.50



BLACKSMITHING

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop

3-Hour Taster: Blacksmithing

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to forging steel and using blacksmithing tools, make a steel hook to take home. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	10am-1pm	1BLK02E20-A
Jan 25	Saturday	2-5pm	1BLK02F20-B
Mar 28	Saturday	10am-1pm	2BLK02E20-C
Mar 28	Saturday	2-5pm	2BLK02F20-D
Mar 29	Sunday	10am-1pm	2BLK02E20-E
Mar 29	Sunday	2-5pm	2BLK02F20-F
May 9	Saturday	10am-1pm	3BLK02E20-A
May 9	Saturday	2-5pm	3BLK02F20-B
Jun 21	Sunday	10am-1pm	4BLK02E20-C
Jun 21	Sunday	2-5pm	4BLK02F20-D

Price \$175.00 Member Price \$161.50

Friday Flame: Blacksmithing

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Join us for Friday Flame, a unique night focused on industrial arts and good company. Learn to flatten, taper, bend, twist, and oil forged steel into your own hand-forged bottle opener. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Feb 14	Friday	6:30-10pm	1BLK04B20-B
Apr 3	Friday	6:30-10pm	3BLK04B20-A
May 29	Friday	6:30-10pm	4BLK04B20-B

Price \$150.00 Member Price \$138.50

Blacksmithing I

ENTRY LEVEL

Learn the basics of blacksmithing! This class teaches the fundamental skills needed to forge steel and understand blacksmithing tools. We will introduce tapering, upsetting, flattening, dishing, and bending of hot steel. Students make small projects, such as spoons, knives, forks, and hooks.

5 SESSIONS

Jan 14-Feb 11	Tuesday	7-10pm	1BLK10B20-F
Feb 18-Mar 17	Tuesday	7-10pm	2BLK10B20-G
Apr 6-May 4	Monday	7-10pm	3BLK10B20-I
May 19-Jun 16	Tuesday	7-10pm	4BLK10B20-J

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1BLK10A20-B
Feb 22 & 23	Sat & Sun	10am-6pm	2BLK10A20-C
Mar 7 & 8	Sat & Sun	10am-6pm	2BLK10A20-D
Apr 4 & 5	Sat & Sun	10am-6pm	3BLK10A20-A
Apr 11 & 12	Sat & Sun	10am-6pm	3BLK10A20-B
Apr 25 & 26	Sat & Sun	10am-6pm	3BLK10A20-C
Jun 6 & 7	Sat & Sun	10am-6pm	4BLK10A20-D
Jun 27 & 28	Sat & Sun	10am-6pm	4BLK10A20-F

WEEKLONG

Aug 10-14	Mon-Fri	2-5pm	5BLK10M20-K
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Price \$450.00 Member Price \$413.50

Women's Blacksmithing I

ENTRY LEVEL

Learn blacksmithing taught by women, for women! This class covers the fundamentals needed to forge steel and understand blacksmithing tools. We will introduce tapering, upsetting, flattening, dishing, and bending of hot steel—all the same skills and techniques as in Blacksmithing I, but in an all-female environment. You will make small projects, such as spoons, knives, forks, and hooks.

WEEKEND

Feb 8 & 9	Sat & Sun	10am-6pm	1BLK18A20-A
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Price \$430.00 Member Price \$394.00

Blacksmithing II

CONTINUING

Deepen your knowledge in this sequel to Blacksmithing I. This class is designed to develop your basic skills along with techniques including scroll-making, collaring, basic tool-making, and heat-treating. You will gain the skills needed to move on to more advanced classes like Bladesmithing and Techniques in Ornamental Iron Work.

PREREQUISITE: Blacksmithing I

WEEKEND

Feb 1 & 2	Sat & Sun	10am-6pm	1BLK31A20-A
Mar 14 & 15	Sat & Sun	10am-6pm	2BLK31A20-B
May 16 & 17	Sat & Sun	10am-6pm	3BLK31A20-A

Price \$450.00 Member Price \$413.50

Bladesmithing

CONTINUING

This specialized course focuses on the forging techniques needed to produce sharp-edged tools of high-carbon steel. We will cover blade design, control of steel grain structure, hardening and tempering methods, steel finishes, and handle construction. Emphasis is on learning the fundamental skills needed to forge a good knife.

PREREQUISITE: Blacksmithing II

WEEKLONG

Aug 17-21	Mon-Fri	10am-4pm	5BLK52P20-A
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Price \$635.00 Member Price \$581.50

Forge Welding

CONTINUING

For centuries, forge welding was the only way to weld steel and iron, most commonly being used for pattern welding blades and knives. Now, you can deepen your blacksmithing skills in this class that covers all the fundamentals of this traditional craft. Learn the process of repeatedly drawing out a billet of steel, then folding it back and welding it upon itself. This class is also your introduction to the power hammer.

PREREQUISITE: Blacksmithing II

WEEKEND

Jun 13 & 14	Sat & Sun	10am-6pm	4BLK53A20-A
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Price \$465.00 Member Price \$424.50

Forge Your Own Blacksmithing Tools

CONTINUING

Create your own blacksmithing tools! You will make a punch and learn how to use it to punch the eye on a hammerhead. You will learn techniques in double striking and heat-treating, and be introduced to the power hammer. Students make two essential tools of the trade for your personal use.

PREREQUISITE: Blacksmithing II

5 SESSIONS

Apr 8-May 6	Wednesday	7-10pm	3BLK54B20-A
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Price \$445.00 Member Price \$410.50

Forms from Nature

NEW COURSE!

CONTINUING

Use traditional blacksmithing techniques to create organic forms for use on functional objects or sculptures. Learn to make tools to create your own designs and how to improvise when forging.

PREREQUISITE: Blacksmithing I

5 SESSIONS

Feb 26-Mar 25	Wednesday	7-10pm	2BLK35B20-A
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Price \$400.00 Member Price \$377.50

Power Hammer I

CONTINUING

We will focus on power hammer techniques as we forge a set of basic hammer tools, side sets, and a round-back flatter. By the time these new tools are heat-treated, students will go a long way towards mastering the skill set. Emphasis will be on the safe and effective operation and maintenance of the hammer.

PREREQUISITE: Blacksmithing II

WEEKEND

May 30 & 31	Sat & Sun	10am-6pm	4BLK90A20-A
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Price \$600.00 Member Price \$550.00

Techniques in Ornamental Iron Work

CONTINUING

Take your skills to the next level and begin producing work that sells! This class covers traditional decorative ironwork methods and introduces the power hammer. You will explore techniques, such as steel carving, fullering, and riveting, to create an ornamental dragon.

PREREQUISITE: Blacksmithing II

5 SESSIONS

May 20-Jun 17	Wednesday	7-10pm	4BLK51B20-A
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Price \$455.00 Member Price \$422.50



YOUTH BLACKSMITHING

UPCOMING CLASSES **JAN–JUL 2020** ▶ TheCrucible.org/shop



Youth Blacksmithing I

Youth Blacksmithing I (ages 12-18)

ENTRY LEVEL

Learn to bend and shape steel in The Crucible's smithy as you practice traditional blacksmithing techniques, such as drawing, bending, twisting, punching, slitting, and drifting using the forge and anvil. Students will learn to forge with confidence and complete projects such as a bracelet, hook, fork, and spoon.

AFTER SCHOOL

Jan 22–Feb 19	Wednesday 3–6pm	1YBLK10Q20-YA
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WEEKEND

Feb 15 & 16	Sat & Sun	10am–5pm	1YBLK10A20-YB
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SPRING BREAK

Mar 30–Apr 3	Mon–Fri	9am–12pm	3YBLK10K20-YA
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SUMMER CAMP

Jun 15–19	Mon–Fri	9am–12pm	5YBLK10K20-YA
Jul 6–10	Mon–Fri	9am–12pm	5YBLK10K20-YC
Jul 20–24	Mon–Fri	9am–12pm	5YBLK10K20-YF
Jul 27–31	Mon–Fri	9am–12pm	5YBLK10K20-YH

Jun 15–19	Mon–Fri	1–4pm	5YBLK10M20-YB
Jul 6–10	Mon–Fri	1–4pm	5YBLK10M20-YD
Jul 13–17	Mon–Fri	1–4pm	5YBLK10M20-YE
Jul 20–24	Mon–Fri	1–4pm	5YBLK10M20-YG

Price \$485.00 **Member Price \$446.50**

Youth Blacksmithing II (ages 12-18)

CONTINUING

This class, designed as a sequel to Youth Blacksmithing I, extends your basic blacksmithing abilities. Techniques covered will include scroll making, collaring, basic tool making, and heat treating. This class provides skills you need for more advanced classes, such as Techniques in Ornamental Ironwork.

PREREQUISITE: Youth Blacksmithing I

SUMMER CAMP

Jul 13–17	Mon–Fri	9am–12pm	5YBLK31K20-YA
Jul 27–31	Mon–Fri	1–4pm	5YBLK31M20-YB

Price \$485.00 **Member Price \$446.50**

Youth Blacksmithing Immersion Program (ages 12-18)

ENTRY LEVEL

Dive deep in this beginning and continuing level youth workshop. Students take an immersive step into summer camp study, becoming young artisans along the way. Learn to bend and shape steel in The Crucible's smithy as you develop traditional blacksmithing techniques, such as drawing, bending, twisting, punching, slitting and drifting, using the forge and anvil. You will also be exposed to theory, principles, and extensive techniques that let you design and create your own independent projects.

SUMMER CAMP

Jun 22–26	Mon–Fri	9am–4pm	5YBLK85P20-YA
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Price \$780.00 **Member Price \$720.00**



CERAMICS

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop



Raku

Friday Flame: Raku

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Glaze small, pre-fired ceramic dishes, then use a variety of organic materials to create incredible surface textures on your vessels during the exciting raku fire. Raku firings, or firings in high reduction environments, are one of the only ways to get vibrant, sparkling colors in glazeware. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Apr 3	Friday	6:30-10pm	2CER04B20-A
Price \$150.00 Member Price \$138.50			

Making Multiples: Slip Casting Ceramics

ENTRY LEVEL

Create ceramic multiples! Whether you are interested in making multiple vessels or sculptures, this class covers the basic moldmaking techniques. We will make molds from existing objects and cast clay multiples using clay slip. The clay castings will then be finished, kiln-fired, and glazed. Your personal objects are welcomed, but there are size limits.

5 SESSIONS

Mar 4-Apr 1	Wednesday	6-9pm	2CER12B20-A
Apr 25-May 30	Saturday	2-5pm	3CER12B20-A
No class May 23			
Price \$395.00 Member Price \$362.00			

Ceramics I

ENTRY LEVEL

Try your hands at making sculptural and functional forms in clay. This introductory class covers traditional hand-building and surface treatment techniques while pushing the boundaries with unconventional methods. You will leave with a solid foundation in working with clay and the ability to apply your new skill set to other 3D work and materials.

10 SESSIONS

Jan 14-Mar 17	Tuesday	6-9pm	1CER10B20-A
Jan 16-Mar 19	Thursday	6-9pm	1CER10B20-B
Apr 7-Jun 9	Tuesday	6-9pm	3CER10B20-A
Apr-Jun 11	Thursday	6-9pm	3CER10B20-B
Jun 6-Aug 15	Saturday	1-4pm	4CER10F20-A
No class Jul 4			
Price \$430.00 Member Price \$392.00			

Ceramics II

CONTINUING

Ceramics II is designed for students who have successfully completed Ceramics I and are looking to further advance their knowledge and creativity in working with clay. Students will learn advanced concepts in surface design and refine techniques, both in hand-building and wheel-throwing, to create more consistent, aesthetically-pleasing functional and sculptural pieces. Interesting forms, creative designs, and good craftsmanship are essential in creating engaging pottery and will be emphasized in the class.

PREREQUISITE: Ceramics I

8 SESSIONS

Apr 8-May 27	Wednesday	6-10pm	3CER33B20-A
Price \$450.00 Member Price \$412.00			

Raku

NEW COURSE!

CONTINUING

Learn basic handbuilding techniques and dive into a wide variety of raku processes. Raku firings, or firings in high reduction environments, are one of the only ways to get vibrant, sparkling colors in glazeware. Your work will be bisqued and ready to be glazed by the following Saturday, where you will practice raku techniques in our raku kiln. Work size is limited to 6" wide and 10" high.

PREREQUISITE: Ceramics I or previous ceramics experience

2 SESSIONS

Mar 7-14	Saturday	10am-1pm	2CER20E20-A
Price \$175.00 Member Price \$162.00			

Large Ceramic Forms

CONTINUING

Explore techniques for making larger ceramic forms that can survive the kiln! Make a ceramic sculpture or planter, while practicing handbuilding techniques like coiling and pinching, as well as more advanced sculpting techniques to create a one-of-a-kind piece that will dazzle any home. Size limited to 24" x 18" x 18" and 1" thick.

PREREQUISITE: Ceramics I or ceramics experience

5 SESSIONS

Feb 1-29	Saturday	10am-1pm	1CER31E20-A
Price \$225.00 Member Price \$207.50			

Ceramics Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials. Clay can be purchased for \$15 per bag.

PREREQUISITE: ceramics experience and Crucible membership

8 SESSIONS

Jan 27-Mar 23	Monday	7-9pm	1CER77B20-A
No class Feb 17			
Apr 13-Jun 8	Monday	7-9pm	3CER77B20-A
No class May 25			

Price \$135.00 Member Price \$123.50

YOUTH CLASSES JAN-JUL 2020

Youth Ceramics (ages 12-18)

NEW COURSE!

ENTRY LEVEL

Try your hand at making sculptural and functional forms in clay and create a one-of-a-kind ceramic sculpture or functional vessel. Youth will practice handbuilding techniques and wheel throwing per instructor approval.

SUMMER CAMP

Jul 20-24	Mon-Fri	9am-12pm	5YCER20K20-YE
Jun 15-19	Mon-Fri	1-4pm	5YCER20M20-YA
Jun 22-26	Mon-Fri	1-4pm	5YCER20M20-YB
Jul 6-10	Mon-Fri	1-4pm	5YCER20M20-YC
Jul 13-17	Mon-Fri	1-4pm	5YCER20M20-YD
Jul 27-31	Mon-Fri	1-4pm	5YCER20M20-YF

Price \$350.00 Member Price \$327.50

Youth Clay Critters (ages 8-11)

ENTRY LEVEL

Explore clay as a sculptural material to create critters of your own imagination! Learn hand-building techniques, such as slabs, coils, and pinching. We will cover several different surface treatments, traditional glazes, and non-traditional approaches.

SPRING BREAK

Mar 30-Apr 3	Mon-Fri	1-4pm	3YCER10M20-YA
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SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YCER10K20-YA
Jul 6-10	Mon-Fri	9am-12pm	5YCER10K20-YB
Jul 13-17	Mon-Fri	9am-12pm	5YCER10K20-YC
Jul 27-31	Mon-Fri	9am-12pm	5YCER10K20-YE

Jul 20-24	Mon-Fri	1-4pm	5YCER10M20-YD
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Price \$300.00 Member Price \$278.00



ENAMELING

UPCOMING CLASSES **JAN–JUN 2020** ▶ TheCrucible.org/shop



Enamel Hearts

3-Hour Taster: Enameling

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to enamel sifting and kiln-firing, make a stenciled enamel pendant or keychain to take home. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 26	Sunday	2-5pm	1ENL02F20-A
Mar 28	Saturday	10am-1pm	2ENL02E20-B
Mar 29	Sunday	2-5pm	2ENL02F20-C
May 9	Saturday	2-5pm	3ENL02F20-A
Jun 20	Saturday	10am-1pm	4ENL02E20-B

Price \$175.00 Member Price \$161.50

Friday Flame: Enameling

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Join us for Friday Flame, a unique night focused on industrial arts and good company. Sift, stencil, and practice sgraffito with dry enamel, designing and making a copper pendant to take home. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

May 29	Friday	6:30-10pm	4ENL04B20-A
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Price \$150.00 Member Price \$138.50

Enamel Hearts

ENTRY LEVEL

Spend the morning making an original heart-shaped pendant for your valentine, pet, or yourself—just in time for Valentine's Day! Sweetly sentimental or post-apocalyptic, the end result is up to you. Cut your own individual heart shape in fine gauge copper, add texture and dimension, then apply powdered vitreous enamels and fire in the kiln to add color and vibrancy.

1 SESSION

Feb 1	Saturday	10am-1pm	1ENL08E20-A
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Price \$100.00 Member Price \$93.50

Enameled Accessories

NEW COURSE!

ENTRY LEVEL

Learns basic metalsmithing techniques, including annealing, hammering texture, stamping, and using shears and disc cutters to create unique pins, ornaments, or keychains in copper. Then practice your enamel skills with counter enamel, using stencils, and sgraffito techniques to decorate your work.

1 SESSION

Jun 21	Sunday	10am-6pm	4JWL03H20-A
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Price \$175.00 Member Price \$163.50

Torch Fired Enameling

ENTRY LEVEL

Learn how to use the torch to fuse glass to metal! Working on copper, you will learn the basics of how the enamel medium works and how to fuse using the torch. We will go over metal preparation, enamel application, and the special considerations of using a torch for fusing. You will leave with several completed projects, including a pair of earrings and a pendant.

1 SESSION

Jan 25	Saturday	10am-2pm	1ENL05E20-A
May 10	Sunday	10am-2pm	3ENL05E20-A

Price \$190.00 Member Price \$175.00

Enameling I

ENTRY LEVEL

Discover the ancient art of fusing glass to metal. You will learn techniques in metal preparation and fabrication for enameling, kiln properties and firing methods, properties of enamel, and dry and wet applications.

WEEKEND

Feb 8 & 9	Sat & Sun	10am-6pm	1ENL10A20-A
Apr 25 & 26	Sat & Sun	11am-5pm	3ENL10A20-A

WEEKLONG

Jan 6-10	Mon-Fri	10am-1pm	1ENL10K20-C
Aug 10-14	Mon-Fri	10am-1pm	5ENL10K20-C

5 SESSIONS

Jun 1-29	Monday	6-9pm	4ENL10B20-B
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Price \$320.00 Member Price \$293.00

Fred Ball Experimental Enameling Techniques

ENTRY LEVEL

Fred Uhl Ball (1945-1985) was an enamelist who lived and taught in Sacramento. His work was viewed as highly unorthodox at the time, but created a firm basis for current contemporary enameling. Specific techniques include working with fire scale, creating collages, using liquid enamel and other materials associated with the porcelain enamel industry, over- and under-firing, and much more. Explore this inspiring approach with Judy Stone.

NOTE: Some Enameling experience recommended

2 SESSIONS

June 6-13	Saturday	10am-6pm	4ENL34H20-A
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Price \$295.00 Member Price \$271.00

Enameling II

CONTINUING

Work with master enamel artist Judy Stone to further develop the skills learned in Enameling I, including torch firing, basic enamel painting, and working with precious metals and 3-D forms. In addition to a lot of experimenting, students will produce at least three finished pieces.

PREREQUISITE: Enameling I

WEEKEND

April 11 & 12	Sat & Sun	10am-6pm	3ENL31A20-A
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Price \$310.00 Member Price \$284.00

Cloisonné

CONTINUING

Hone your artistic skills with renowned enamel artist Roberta Smith and the intricate, scientific process of cloisonné enameling. Use the rich, subtle, and distinctive colors of transparent and opalescent enamels on fine silver to create small pieces of jewelry or artwork. Students learn painterly shading techniques and high-gloss polishing.

PREREQUISITE: Enameling I

WEEKEND

Mar 14 & 15	Sat & Sun	10am-6pm	2ENL33A20-A
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Price \$310.00 Member Price \$284.00

Enameling Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials.

PREREQUISITE: Enameling I and Crucible membership

5 SESSIONS

Feb 20-Mar 19	Thursday	6:30-9:30pm	2ENL77B20-B
Apr 9-May 7	Thursday	6:30-9:30pm	3ENL77B20-A
May-Jun 18	Thursday	6:30-9:30pm	4ENL77B20-B

Price \$155.00 Member Price \$142.00

YOUTH CLASSES JAN–JUL 2020

Youth Enameling (ages 12-18)

ENTRY LEVEL

Discover the ancient art of fusing glass to metal. You will learn about metal preparation and fabrication for enameling, kiln properties and methods for firing, properties of enamel, and dry and wet application techniques.

SUMMER CAMP

Jul 6-10	Mon-Fri	9am-12pm	5YENL10K20-YA
Jul 20-24	Mon-Fri	9am-12pm	5YENL10K20-YB

Price \$325.00 Member Price \$299.50



FIRE & PERFORMAMNCE

UPCOMING CLASSES **JAN-JUN 2020** ➤ TheCrucible.org/shop



Fire HulaHoop I

Fire Poi: Introduction

ENTRY LEVEL

Learn to spin fire! Both a dance form and a style of juggling, poi spinning is an expressive performance art that uses weighted lines swung in circular patterns around the body. Using soft, practice poi, you will learn basic moves, such as butterflies, weaves, windmills, corkscrews, buzzsaws, and fountains. You will also be introduced to the concepts of plane theory, sequencing, and in-spin and anti-spin rotation. On the last class, you will set your fire poi ablaze! *Note: Previously called Art of Fire Dancing (Poi) It is recommended (but not required) to take Fire Safety before this class.*

8 SESSIONS

Jan 14-Feb 6	Tues & Thurs	7-8:30pm	1PER10B20-A
Feb 18-Mar 12	Tues & Thurs	7-8:30pm	2PER10B20-B
May 30-Jul 25	Saturday	10-11:30am	4PER10B20-A

Price \$355.00 Member Price \$322.50

Fire Eating I

ENTRY LEVEL

Amaze an audience with your new skills as a fire eater! You will learn the science and safety behind basic tricks so you can fearlessly perform with open flame. You will learn tracing (how to run fire along the surface of your skin), transfers (moving flame from one source or position to another), various extinguishes, and tips for putting on a great show. You also will make your own set of torches to take home.

1 SESSION

Jan 25	Saturday	12-4pm	1PER15F20-A
Feb 22	Saturday	12-4pm	2PER15F20-B
Mar 28	Saturday	12-4pm	2PER15F20-C
Apr 25	Saturday	12-4pm	3PER15F20-A
May 30	Saturday	12-4pm	4PER15F20-B

Price \$195.00 Member Price \$178.50

Fire Eating II

CONTINUING

Expand your performance repertoire by learning intermediate fire eating tricks. Construct a new pair of torches and explore vapor tricks and transfers, jellyfish variations, human candles, and more! You will also learn basic choreography, transitions, and stage blocking to best showcase your new talents.

PREREQUISITE: Fire Eating I

1 SESSION

Mar 29	Sunday	12-4pm	2PER21F20-A
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Price \$185.00 Member Price \$169.00

Fire Hula Hoop I

ENTRY LEVEL

Build coordination and confidence as you construct your own practice PVC hula hoop and learn basic tricks with and without fire. You will learn beginner on-body and off-body moves, including turns, figure 8's, tosses, isolations, fountains, atoms; and waist, hand, knee, and neck hooping. On the final night, you will work with open flame!

It is recommended (but not required) to take Fire Safety before this class.

10 SESSIONS

Jan 13-Feb 19	Mon & Wed	7:30-9:30pm	1PER12B20-A
<i>No class Jan 20, Feb 17</i>			
Apr 13-Jun 17	Wednesday	7:30-9:30pm	3PER12B20-A

Price \$425.00 Member Price \$392.50

Fire Staff I

ENTRY LEVEL

Learn to spin fire staff! Sometimes styled like a weapon; sometimes like a dance partner, staff is a fire performance tool that lends itself to unique movement possibilities. In this class, you will construct a practice staff for use while learning basic tricks, such as rotors, windmills, figure 8s, helicopters, palm spins, wraps, weaves, and behind-the-back moves. On the last night, you will set your staff aflame!

It is recommended (but not required) to take Fire Safety before this class.

5 SESSIONS

Jun 1-29	Monday	7-9pm	3PER11B20-A
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Price \$315.00 Member Price \$287.50

Fire Performance

ENTRY LEVEL

Learn the art of fire dancing using poi, staff, and hoop to increase strength and skill in choreography, movement, and tricks with music. Build up to spinning with fire through this course, and get to practice during a specially scheduled evening session to see your fire performance light up the night. It is recommended (but not required) to take Fire Safety before this class.

5 SESSIONS

May 3-Jun 7	Sunday	10am-1pm	3PER69E20-A
<i>No class May 24</i>			

Price \$300.00 Member Price \$275.00

Fire Poi: Turns, Transitions, and Flow

CONTINUING

Learn how to integrate movement with your poi spinning. After this class, your body and your poi will work together as one and you will know many new tricks. This course highlights choreography, movement, and working with music.

NOTE: You must have your own poi.

PREREQUISITE: Art of Fire Dancing I (Poi) or permission by instructor. It is recommended (but not required) to take Fire Safety before this class.

8 SESSIONS

Apr 7-30	Tues & Thurs	7-8:30pm	3PER31B20-A
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Price \$415.00 Member Price \$377.50

Fire Safety

ENTRY LEVEL

Learn to understand what exactly fire is, techniques to prevent uncontained fires, and how to suppress a variety of fire effects. Walk away with a scientific understanding of the sources of fire and its reactions, as well as hands-on experience putting out fire effects under the expert guidance of Christopher T. Palmer.

1 SESSION

Jan 12	Sunday	10am-3pm	1PER19H20-A
Mar 14	Saturday	10am-3pm	2PER19H20-C
May 9	Saturday	10am-3pm	3PER19H20-B

Price \$75.00 Member Price \$70.00

Flame Effects I

CONTINUING

Learn to design and build safe, effective, beautiful flame effect sculptures with propane. You will learn many different ways of manipulating fire for use in sculpture, including accumulator pooper effects, propane and liquid fuel effects, igniters, and electronic controls.

PREREQUISITE: Fire Safety

5 SESSIONS

Jan 18-Feb 15	Saturday	1-5pm	1PER39F20-A
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Price \$675.00 Member Price \$637.00

Flame Effects II

CONTINUING

In this intermediate course, make safe, effective, and beautiful propane and liquid fuel flame effects. You'll design and build flame effects sculptures in class working with an instructor and a variety of materials. Build upon your fire effects skills to create unique, fiery projects. Students who build flame effect devices to take home may have additional expenses for materials.

PREREQUISITE: Fire Effects I

5 SESSIONS

Mar 7-Apr 11	Saturday	1-5pm	2PER59F20-A
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Price \$745.00 Member Price \$700.00



FOUNDRY

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop



Design and Make Your Own Waffle Iron

Design and Make Your Own Waffle Iron

ENTRY LEVEL

Each student will create a 7" diameter stovetop waffle iron with a waffle pattern of your own design. We will make sand molds and use a cupola furnace to melt the iron. At the spectacular iron pour event, students prepare iron and coke charges, operate the cupola, and pour molten iron into their new mold.

NOTE: This class has an additional Friday session May 31 from 6-10pm.

10 SESSIONS

Apr 11-Jun 2 10am-1pm Saturday 3FOU17E20-A
No class Apr 18, May 23

Price \$595.00 Member Price \$545.50

Iron Casting

ENTRY LEVEL

In this course, you will complete a finished iron sculpture. You will explore mold construction and preparation while building your own sand mold with resin-bonded sand. Learn the steps required to prepare the cupola for an iron pour. At the spectacular iron pour event, students prepare iron and coke charges, operate the cupola, and pour molten iron into their new mold.

NOTE: This class has an additional Saturday session on June 1 from 10am-2pm.

8 SESSIONS

Apr 24-Jun 12 Friday 6-10pm 3FOU25B20-A
No class May 22

Price \$460.00 Member Price \$419.00

3-Hour Taster: Foundry

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to creating sand molds, craft your own mold for a small aluminum tile or medallion, then watch our faculty pour molten aluminum into your piece. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	10am-1pm	1FOU02E20-A
Jan 26	Sunday	2-5pm	1FOU02F20-B
Mar 28	Saturday	10am-1pm	2FOU02E20-C
Mar 29	Sunday	2-5pm	2FOU02F20-D
May 10	Sunday	10am-1pm	3FOU02E20-A
Jun 21	Sunday	10am-1pm	4FOU02E20-B
Jun 21	Sunday	2-5pm	4FOU02F20-C

Price \$175.00 Member Price \$161.50

Foundry I: Ceramic Shell Process

ENTRY LEVEL

Ceramic shell is a mold material used in the lost wax casting method. Learn basic wax-working techniques and explore basic metal finishing in this fascinating course. You will create a wax sculpture and build ceramic shell molds, transforming your original wax piece into bronze or aluminum. *NOTE: Outside class time is required, as well as additional fees for wax, shell, and bronze.*

10 SESSIONS

Jan 6-Mar 23	Monday	7-10pm	1FOU11B20-A
<i>No class Jan 20, Feb 17</i>			
Apr 6-Jun 15	Monday	7-10pm	3FOU11B20-A
<i>No class May 25</i>			

Price \$575.00 Member Price \$524.50

Foundry Fundamentals

ENTRY LEVEL

Begin your exploration of metal casting with this hands-on overview of foundry processes, including wax sculpting, lost wax casting, ceramic shell, sand moldmaking, casting, and finishing. You will help pour molten metal and complete several cast-metal sculptures or utilitarian objects.

8 SESSIONS

Jan 24-Mar 13	Friday	6-10pm	1FOU10B20-A
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WEEKLONG

Aug 10-14	Mon-Fri	10am-4pm	5FOU10P20-A
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Price \$615.00 Member Price \$565.00

Foundry II: Ceramic Shell Process

CONTINUING

This class is for people with metal casting experience who have completed waxes to cast. We can also accommodate 3D printed PLA (best unpigmented). Students will prepare their patterns, gate them, build the ceramic shell mold, cast in either bronze or aluminum, destroy the mold, and remove the gates. *NOTE: Outside class time is required, as well as additional fees for wax, shell, and metal.*

PREREQUISITE: Foundry Fundamentals or Foundry I: Ceramic Shell Process

5 SESSIONS

Feb 20-Mar 19	Thursday	7-10pm	2FOU31B20-A
<i>No class Nov 27</i>			
May 21-Jun 18	Thursday	7-10pm	4FOU31B20-A

Price \$350.00 Member Price \$319.00

YOUTH CLASSES JAN-JUL 2020

Youth Adventures in Sand Casting (ages 12-18)

ENTRY LEVEL

In this introduction to foundry processes, turn your ideas into cast-metal sculptures! You will create both open-faced and closed sand molds, then learn to pour molten aluminum with the help of your classmates. Once cooled, apply coloring and finishing techniques, then leave with a unique, finished sculpture you cast yourself!

SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YFOU22K20-YA
Jul 6-10	Mon-Fri	9am-12pm	5YFOU22K20-YB
Jul 13-17	Mon-Fri	9am-12pm	5YFOU22K20-YC
Jul 20-24	Mon-Fri	9am-12pm	5YFOU22K20-YD
Jul 27-31	Mon-Fri	9am-12pm	5YFOU22K20-YE

Price \$400.00 Member Price \$370.00



GLASS BLOWING

UPCOMING CLASSES **JAN–JUN 2020** ▶ TheCrucible.org/shop



Glass Blowing I

Glass Paper Weights

ENTRY LEVEL

Demystify the secrets behind glass paperweights with an excellent entry level class for anyone wanting to dabble in hot glass. In this class, you will learn to gather molten glass out of the furnace, apply color, and manipulate and shape the glass. Proper use of traditional glass blowing tools and key terminology are also explained. Expect to create a one-of-a-kind paperweight that will mesmerize your friends!

1 SESSION

Apr 13	Monday	6-10pm	3GLB06B20-A
Price \$375.00 Member Price \$355.00			

Hearts of Glass

ENTRY LEVEL

Speak the language of love with glass! In this exciting entry-level workshop we simplify the iconic and complex organ that symbolizes love and life—the heart. In our hot shop, students learn basic glass working techniques to blow, shape, and mold hot glass. Your work of art will be in the form of a heart.

1 SESSION

Feb 1	Saturday	10am-3pm	1GLB07E20-A
Feb 8	Saturday	10am-3pm	1GLB07E20-B
Price \$295.00 Member Price \$275.50			

Glass Flowers and Mushrooms

ENTRY LEVEL

Learn the basics of hot glass sculpting, including techniques in gathering molten glass out of the furnace, marvering, color application, and glass shaping. In this three-hour workshop, you will sculpt two different types of both flowers and mushrooms from hot glass.

1 SESSION

Mar 28	Saturday	10am-1pm	2GLB01E20-A
May 9	Saturday	10am-1pm	3GLB01E20-A
Price \$175.00 Member Price \$161.50			

Glass Blowing I

ENTRY LEVEL

Learn the basic skills and techniques to create a personalized hand-blown glasswork. With supportive instruction in a team environment, you will learn to safely work with molten glass, gather glass from the furnace, apply colors, and shape and sculpt molten glass. Be prepared to work in the heat!

4 SESSIONS

Jan 29–Feb 19	Wednesday	6-10pm	1GLB10B20-D
Apr 4–May 15	Friday	6-10pm	3GLB10B20-E

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1GLB10A20-A
Feb 15 & 16	Sat & Sun	10am-6pm	1GLB10A20-B
Mar 7 & 8	Sat & Sun	10am-6pm	2GLB10A20-C
Apr 11 & 12	Sat & Sun	10am-6pm	3GLB10A20-A
May 30 & 31	Sat & Sun	10am-6pm	4GLB10A20-B
Jun 13 & 14	Sat & Sun	10am-6pm	4GLB10A20-C

Price \$500.00 Member Price \$465.00

Shot Glass Class

ENTRY LEVEL

Learn to blow glass and make your own colorful shot glass. Students will learn to gather and color hot glass, then shape it into a functional shot glass. Once your glass has cooled, return on Friday for a tasting of fine spirits with local spirit experts.

2 SESSIONS

Feb 24 & 28	Monday & Friday	6-10pm 7-9pm	2GLB09B20-A
Feb 26 & 28	Wednesday & Friday	6-10pm 7-9pm	2GLB09B20-B
Feb 27 & 28	Thursday & Friday	6-10pm 7-9pm	2GLB09B20-C

Price \$200.00 Member Price \$185.00

Glass Blowing II: Cup Class

CONTINUING

Build upon the skills acquired in Glass Blowing I by learning to make a drinking glass! We will explore the design and creation of various forms of practical (and not-so-practical) drinking ware, including applying color and creating hot bits for feet, handles, and wraps. Students are encouraged to bring a sketchbook.

PREREQUISITE: Glass Blowing I

WEEKEND

Feb 29 & Mar 1	Sat & Sun	10am-6pm	2GLB35A20-A
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4 SESSIONS

May 21–Jun 11	Thursday	6-10pm	4GLB35B20-B
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Price \$625.00 Member Price \$577.50

Bottles and Vases

CONTINUING

In this class, students will make bottle and vase forms with an emphasis on elongated necks. The course will focus on three methods of stretching the neck: on the pipe, on the punty, and by using gravity. Students will learn to set up their bubbles, practice heat control, and learn different techniques for puntying, tweezing, trimming, and the fundamentals of creating handles.

PREREQUISITE: Glass Blowing II: Cups Class

WEEKEND

Mar 14 & 15	Sat & Sun	10am-6pm	2GLB42A20-A
Price \$655.00 Member Price \$604.50			

Fundamental Forms

CONTINUING

Students will learn to make three different essential forms in glass—a cylinder, a hemisphere bowl, and a cone—and master the skill of gathering glass from the furnace. First, develop proficiency in creating each shape with two gathers, then take a third gather and practice the challenge of blowing larger vessel forms. Instructors will work with students individually to address areas that need strengthening.

PREREQUISITE: Glass Blowing II: Cup Class

4 SESSIONS

Mar 5–26	Thursday	6-10pm	2GLB37B20-A
Price \$625.00 Member Price \$577.50			

Glass Blowing Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials.

PREREQUISITE: Glass Blowing II and Crucible membership

5 SESSIONS

Jan 7–Feb 4	Tuesday	5-10pm	1GLB77B20-A
Feb 18–Mar 17	Tuesday	5-10pm	2GLB77B20-B
Apr 7–May 5	Tuesday	5-10pm	3GLB77B20-A
May 19–Jun 16	Tuesday	5-10pm	4GLB77B20-B

Price \$500.00 Member Price \$462.00

Perfecting the Punty

CONTINUING

This class is designed to demystify the punty, an important but generally not well understood technique, where much of the work of blowing glass is done. You will learn to effectively make and use the two main types of punt: the cup and the dome, as well as specialty punties. Timing, temperature, partnering, proper usage, fixing, and proper punty removal will be covered.

PREREQUISITE: Glass Blowing I

1 SESSION

June 28	Sunday	10am-3pm	4GLB15E20-A
Price 295.00 Member Price \$275.50			



YOUTH GLASS BLOWING

UPCOMING CLASSES **JAN-JUL 2020** ▶ TheCrucible.org/shop



Youth Glass Blowing Immersion Program (ages 14-18)

ENTRY LEVEL

Dive deep in this beginning and continuing level youth workshop. Students take an immersive step into summer camp study, becoming young artisans along the way. Learn to safely work with molten glass, gather glass from the furnace, apply colors, and shape and sculpt molten glass. You will also be exposed to theory, principles, and extensive techniques that let you design and create your own independent projects. No experience necessary, but be prepared to work in the heat!

SUMMER CAMP

Jun 22-26	Mon-Fri	9am-4pm	5YGLB85P20-YA
Price \$1,450.00 Member Price \$1,340.00			

Youth Glass Blowing I (ages 14-18)

ENTRY LEVEL

Learn the basic skills and techniques to create a personalized hand-blown glasswork. With supportive instruction in a team environment, you will learn to safely work with molten glass, gather glass from the furnace, apply colors, and shape and sculpt molten glass. Be prepared to work in the heat!

WEEKEND

Apr 25 & 26	Sat & Sun	10am-5pm	3YGLB10A20-YA
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SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YGLB10K20-YA
Jul 6-10	Mon-Fri	9am-12pm	5YGLB10K20-YC
Jul 20-24	Mon-Fri	9am-12pm	5YGLB10K20-YF
Jul 27-31	Mon-Fri	9am-12pm	5YGLB10K20-YG
Jun 15-19	Mon-Fri	1-4pm	5YGLB10M20-YB
Jul 6-10	Mon-Fri	1-4pm	5YGLB10M20-YD
Jul 13-17	Mon-Fri	1-4pm	5YGLB10M20-YE
Jul 27-31	Mon-Fri	1-4pm	5YGLB10M20-YH

Price \$675.00 Member Price \$622.50

Youth Glass Blowing II (ages 14-18)

CONTINUING

Continue to work towards glass blowing proficiency in this intermediate-level class. We will utilize new tools, techniques, and an expanded knowledge of the physics involved to help hone our hot shop skills. Students will work in small groups to create both functional and sculptural pieces. Be prepared to work in the heat!
PREREQUISITE: Youth Glass Blowing I

SUMMER CAMP

Jul 13-17	Mon-Fri	9am-12pm	5YGLB31K20-YA
Price \$675.00 Member Price \$622.50			

Youth Hot Glass Sculpting (ages 14-18)

ENTRY LEVEL

Your imagination can come to life in glass! In this class, youth will learn to use bit work, hot torches, and color applications on solid glass to create paper weights, sea animals, mythical creatures, realistic everyday objects, and more!

SUMMER CAMP

Jul 20-24	Mon-Fri	1-4pm	5YGLB20M20-YA
Price \$475.00 Member Price \$447.50			



GLASS CASTING & COLDWORKING

UPCOMING CLASSES **JAN-JUN 2020** ➤ TheCrucible.org/shop



Imagery on Glass

3-Hour Taster: Pâte-de-Verre

ENTRY LEVEL

One of the earliest techniques of glass manipulation, pâte-de-verre or "paste of glass" is a versatile kiln casting technique that uses glass paste. In this three-hour course, you will learn the fundamentals of pâte-de-verre, including color and application techniques, while making a small shallow bowl.

1 SESSION

Mar 28	Saturday	2-5pm	2GLC02F20-A
May 10	Sunday	2-5pm	3GLC02F20-A
Price \$175.00 Member Price \$161.50			

Glass Coldworking and Engraving

ENTRY LEVEL

Learn to grind and polish glass in our expanded coldworking space! Using glass blanks, students experiment with techniques in cutting, drilling, carving, and sandblasting. We will introduce lathe work concepts and provide the chance to complete at least two ground and polished objects. This is an entry-level course, but returning students learn more advanced techniques.

WEEKLONG

Aug 17-21	Mon-Fri	10am-1pm	5GLC21B20-B
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5 SESSIONS

Apr 8-May 6	Wednesday	7-10pm	3GLC21B20-A
Price \$385.00 Member Price \$357.50			

Kiln Casting Glass Sculpture I

ENTRY LEVEL

Create glass sculpture using the ancient technique of lost wax. Students learn wax sculpting techniques to create wax positives that are invested in a refractory material to create a mold. The mold is de-waxed to create a void that is filled with glass melted in a kiln. When cooled the refractory is divested and the wax positive is now glass. An introduction to cold working techniques is included.

5 SESSIONS

Jan 15-Feb 12	Wednesday	7-10pm	1GLC10B20-A
Price \$375.00 Member Price \$350.00			

Kiln Casting Glass Sculpture II: Reverse Relief

ENTRY LEVEL

Kiln cast reverse relief is creating imagery inside of glass. You will carve hardened plastic-silica, attach it to the inside a mold, and melt glass into it. When complete, one looks through the glass to see the imagery, giving an atmospheric and mysterious feel to your piece. An introduction to cold working techniques is included.

PREREQUISITE: Kiln Casting Glass Sculpture I

5 SESSIONS

Feb 24-Mar 23	Monday	7-10pm	2GLC29B20-A
Price \$395.00 Member Price \$370.00			

Imagery on Glass

NEW COURSE!

ENTRY LEVEL

Learn methods and techniques for translating imagery onto glass. Transparency and smooth surface make glass an ideal medium for expression. We will use the sandblaster and engraving tools in the cold shop to etch, scratch, draw, and carve our ideas onto room temperature glass. Reverse painting and drawing techniques will be covered as well. In this class you will have to opportunity to see your drawings from both sides, explore experimental and traditional glass decorating techniques, learn the skills to customize glassware, create one of a kind works of art and leave with your own personalized glassware. Topics covered: sandblasting, diamond engraving, glass cutting and sanding, glass painting, No prior drawing or glass experience required.

5 SESSIONS

May 19-Jun 16	Tuesday	7-10pm	4GLC15B20-A
Price \$400.00 Member Price \$370.10			

One-Day Coldworking Workshop

ENTRY LEVEL

This introduction to our glass cold shop is designed to prepare you for the cold shop CREATE Program assessment. We will demonstrate safety, proper tooling techniques, and machine maintenance. Using glass blanks, we will also delve into the tools and techniques of sawing, drilling, carving, sandblasting, grinding, polishing, and gluing glass.

1 SESSION

April 4	Saturday	10am-4pm	3GLC12E20-A
Price \$195.00 Member Price \$183.50			

YOUTH CLASSES JAN-JUL 2020

Youth Cast Glass Sculpture (ages 12-18)

ENTRY LEVEL

Learn the fundamentals of glass casting, including making open-faced molds from a clay positive and three-dimensional lost wax casting. You will learn to sculpt with wax, prepare and divest molds, and kiln fire your glass pieces, then explore a variety of finishing techniques, including grinding, sandblasting, and polishing your final work.

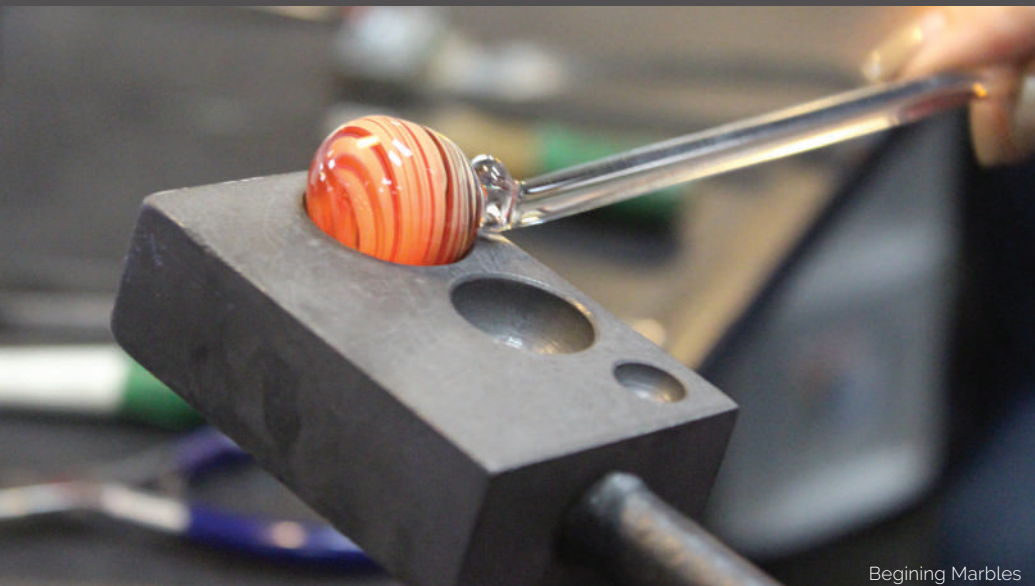
SUMMER CAMP

Jun 22-26	Mon-Fri	9am-4pm	5YGLC10P20-YA
Price \$835.00 Member Price \$773.50			



GLASS FLAMEWORKING

UPCOMING CLASSES **JAN–JUN 2020** ▶ TheCrucible.org/shop



Beginning Marbles

3-Hour Taster: Glass Flameworking

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to melting and shaping borosilicate glass with an oxy-propane torch, create small glass marbles, mushrooms, or hearts to take home. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	10am-1pm	1GLF02E20-A
Jan 25	Saturday	2-5pm	1GLF02F20-B
Jan 26	Sunday	2-5pm	1GLF02F20-D
Mar 28	Saturday	2-5pm	2GLF02F20-F
Mar 29	Sunday	10am-1pm	2GLF02E20-G
Mar 29	Sunday	2-5pm	2GLF02E20-H
May 9	Saturday	10am-1pm	3GLF02E20-A
May 9	Saturday	2-5pm	3GLF02F20-B
May 10	Sunday	10am-1pm	3GLF02E20-C
Jun 20	Saturday	10am-1pm	4GLF02E20-E
Jun 21	Sunday	10am-1pm	4GLF02E20-G
Jun 21	Sunday	2-5pm	4GLF02F20-H

Price \$175.00 Member Price \$161.50

Friday Flame: Glass Flameworking

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Join us for Friday Flame, a unique night focused on industrial arts and good company. Learn to make a gather, shape glass, make hot seals, and work with color, while creating glass mushrooms and a glass serpent. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Jan 10	Friday	6:30-10pm	1GLF04B20-A
Feb 14	Friday	6:30-10pm	1GLF04B20-B
Apr 3	Friday	6:30-10pm	3GLF04B20-A
May 29	Friday	6:30-10pm	4GLF04B20-B

Price \$150.00 Member Price \$138.50

Beginning Marbles

ENTRY LEVEL

Create nature's most perfect form—the sphere—in glass! After a basic introduction to melting and shaping borosilicate glass, you will complete several marble designs, including the clear gravity marble, the outside twist, the ribbon, or the eyeball. Techniques include hold and cold seals, color pulling, and color application.

1 SESSION

Mar 7	Saturday	10am-5pm	2GLF08H20-A
Apr 12	Sunday	10am-5pm	3GLF08H20-A

Price \$225.00 Member Price \$210.00

Making Glass Beads with Wine Bottles

NEW COURSE!

ENTRY LEVEL

Wine bottles come in many beautiful colors, but can be difficult to work with. In this class, you will learn how to safely cut bottles into smaller pieces, and how to use an oxygen-propane powered torch to melt and shape the glass into a variety of fun shapes. This is a great introduction to glass beadmaking and an exciting opportunity to transform wine bottles into personal adornment.

1 SESSION

Feb 22	Saturday	10am-2pm	2GLF15E20-A
Jun 28	Sunday	10am-2pm	4GLF15E20-A

Price \$175.00 Member Price \$162.00

Glass Flameworked Pendant

ENTRY LEVEL

After a basic introduction to melting and shaping borosilicate glass with an oxy-propane torch, create elegant, organic and beautiful pendants for holiday gifting or for your own adornment.

1 SESSION

May 3	Sunday	10am-5pm	3GLF05E20-A
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Price \$225.00 Member Price \$207.50

Glass Flameworking I

ENTRY LEVEL

Create beautiful glass ornaments, pendants, marbles, and more! Learn how to use tools and equipment like an oxy-propane torch to melt and shape glass. We will cover a variety of techniques including color pulling and applying, color pattern application, and marble making.

5 SESSIONS

Jan 14–Feb 11	Tuesday	7-10pm	1GLF10B20-D
Feb 24–Mar 23	Monday	7-10pm	2GLF10B20-E
Apr 8–May 6	Wednesday	7-10pm	3GLF10B20-E
May 19–Jun 16	Tuesday	7-10pm	4GLF10B20-F

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1GLF10A20-B
Feb 15 & 16	Sat & Sun	10am-6pm	1GLF10A20-C
May 16 & 17	Sat & Sun	10am-6pm	3GLF10A20-B
June 13 & 14	Sat & Sun	10am-6pm	4GLF10A20-C

WEEKLONG

Jan 6–10	Mon-Fri	10am-1pm	1GLF10K20-A
Aug 10–14	Mon-Fri	10am-1pm	5GLF10K20-A

Price \$365.00 Member Price \$337.50

Glass Flameworking II

CONTINUING

In this intermediate course, we expand on the fundamentals and investigate the intricacies of borosilicate glass flameworking in more involved projects and contemporary designs. In addition to learning more progressive solid glass techniques, you will learn to use glass tubing to make blown glass perfume bottles and vessels. Color application to blown glass and annealing hollow form pieces will also be discussed.

PREREQUISITE: Glass Flameworking I

WEEKEND

Mar 14 & 15	Sat & Sun	10am-6pm	2GLF31A20-A
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Price \$405.00 Member Price \$376.50

Glass Beads I

ENTRY LEVEL

Learn to make colorful glass beads from Effetre glass rods (a soft glass) using an oxy-propane torch. This class teaches you how to make a variety of bead shapes, introduces tools to form and alter surface patterns, and shows you how to make stringers and twistees.

5 SESSIONS

Feb 18–Mar 17	Tuesday	7-10pm	2GLF12B20-B
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WEEKLONG

Jan 6–10	Mon-Fri	2-5pm	1GLF12M20-A
Aug 17–21	Mon-Fri	10am-1pm	5GLF12K20-A

Price \$305.00 Member Price \$279.50

Glass Beads II

CONTINUING

This intermediate class explores new bead making skills, tools, and materials. Shape beads into hearts, flowers, or animals. Experiment with new techniques, including drawing with stringers and creating overlapping fish scales. Learn to use silver foil, dichroic glass, and other materials to add depth and sophistication to your beads.

PREREQUISITE: Glass Beads I

5 SESSIONS

Apr 7-May 5	Tuesday	7-10pm	3GLF32B20-A
Price \$305.00 Member Price \$279.50			

Hollow Vessels

CONTINUING

Learn to flamework hollow glass, making unique vessels like terrariums, vases, trinket dishes, and spice jars! You will learn proper techniques for shaping and creating a stable vessel structure, as well as how to use the tools necessary to create vessels of your own design. This class is open to student exploration so have your ideas ready!

PREREQUISITE: Glass Flameworking I

WEEKEND

Feb 1 & 2	Sat & Sun	10am-6pm	1GLF35A20-A
Price \$415.00 Member Price \$386.50			

Advanced Marble Making Techniques

CONTINUING

The magical world of glass marble making continues in this course for the enthusiast. Explore advanced techniques, such as color, depth, texture, organic detail, murrine and cane use, and surface decoration. Students create vortex marbles, implosion marbles, and mystical dichroic galaxy marbles.

PREREQUISITE: Glass Flameworking I

WEEKEND

Apr 25 & 26	Sat & Sun	10am-5pm	3GLF36A20-A
Price \$380.00 Member Price \$351.00			

Adventures in Soft Glass: Fabulous Fish

CONTINUING

This intermediate-level class will have you sculpting fabulous solid and hollow-bodied fish. Emphasis will be on both structural and delightful decorative glass flameworking techniques, along with an exploration of various aquatic life forms. Fun is the main ingredient!

PREREQUISITE: Glass Beads I or Glass Flameworking I

1 SESSION

Apr 11	Saturday	10am-6pm	3GLF38E20-A
May 2	Saturday	10am-6pm	3GLF37E20-A
Price \$205.00 Member Price \$189.00			

Glass Flameworking Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials.

PREREQUISITE: Glass Flameworking I or Glass Beads I and Crucible membership

5 SESSIONS

Jan 16-Feb 13	Thursday	6-10pm	1GLF77B20-A
Feb 27-Mar 26	Thursday	6-10pm	2GLF77B20-B
Apr 13-May 11	Monday	6-10pm	3GLF77B20-C
May 20-Jun 17	Wednesday	6-10pm	4GLF77B20-D

WEEKLONG

Aug 17-21	Mon-Fri	2-6pm	5GLF77M20-B
Price \$215.00 Member Price \$200.00			

YOUTH CLASSES JAN-JUL 2020

Youth Glass Flameworking (ages 12-18)

ENTRY LEVEL

Create beautiful glass ornaments, pendants, marbles, and more! Learn how to use tools and equipment like an oxy-propane torch to melt and shape glass with confidence. We will cover a variety of techniques including color pulling and applying, color pattern application, and marble making.

WEEKEND

Feb 29-Mar 1	Sat & Sun	10am-5pm	2YGLF10A20-YA
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SPRING BREAK

Mar 30-Apr 3	Mon-Fri	9am-12pm	3YGLF10K20-YA
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SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YGLF10K20-YA
Jul 6-10	Mon-Fri	9am-12pm	5YGLF10K20-YC
Jul 20-24	Mon-Fri	9am-12pm	5YGLF10K20-YE
Jul 27-31	Mon-Fri	9am-12pm	5YGLF10K20-YF

Jun 15-19	Mon-Fri	1-4pm	5YGLF10M20-YB
Jul 6-10	Mon-Fri	1-4pm	5YGLF10M20-YD
Jul 27-31	Mon-Fri	1-4pm	5YGLF10M20-YG

Price \$425.00 Member Price \$392.50

Youth Glass Flameworking II (ages 12-18)

NEW COURSE!

CONTINUING

Expand your skills and techniques for working with borosilicate glass flameworking in this intermediate class. Create complex marbles, detailed sculptures, implosion pendants, and work with expert faculty on crafting unique designs.

PREREQUISITE: Youth Glass Flameworking I

SUMMER CAMP

Jul 20-24	Mon-Fri	1-4pm	5YGLF31M20-YA
Price \$350.00 Member Price \$325.00			

Youth Soft Glass Beads (ages 14-18)

NEW COURSE!

ENTRY LEVEL

Learn to make colorful glass beads from Effette soft glass rods using an oxy-propane torch. Youth will make a variety of bead shapes, stringers, and twistees and build skill using tools to form and alter surface patterns.

SUMMER CAMP

Jul 13-17	Mon-Fri	9am-12pm	5YGLF12K20-YA
Price \$350.00 Member Price \$325.00			

Youth Tiny Wild Things (ages 14-18)

NEW COURSE!

ENTRY LEVEL

Students will be taken on a journey to explore colorful glass beads, expressive figurines, and creatures with unique features, using an oxy-propane torch and soft glass. We will cover bead surface patterns, shaping and forming glass, and take inspiration from the wild things among us.

SUMMER CAMP

Jul 13-17	Mon-Fri	1-4pm	5YGLF29M20-YB
Price \$350.00 Member Price \$325.00			

Youth Flameworking Immersion Program (ages 12-18)

ENTRY LEVEL

Dive deep in this beginning and continuing level youth workshop. Students take an immersive step into summer camp study, becoming young artisans along the way. Learn the science and lore of glass flameworking, while you create beautiful objects, such as ornaments, pendants, sculptures and exquisite marbles. Safe and efficient operation of oxy-propane torches, kilns and shaping tools will be covered. You will also be exposed to theory, principles, and extensive techniques that let you design and create your own independent projects. Advanced color pulling, glass compatibility, and patterning techniques will have you brimming with new ideas!

SUMMER CAMP

Jun 22-26	Mon-Fri	9am-4pm	5YGLF85P20-YA
Price \$775.00 Member Price \$715.00			



GLASS FUSING & SLUMPING

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop



Glass Fusing and Slumping I

3-Hour Taster: Glass Fusing

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to glass and heat interaction, glass cutting, combining colors, firing, and annealing, create a glass mosaic of your own design. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	10am-1pm	1GLA02E20-A
Jan 26	Sunday	2-5pm	1GLA02F20-B
Mar 28	Saturday	10am-1pm	2GLA02E20-C
Mar 29	Sunday	2-5pm	2GLA02F20-D
May 9	Saturday	10am-1pm	3GLA02E20-A
May 9	Saturday	2-5pm	3GLA02F20-B
Jun 20	Saturday	10am-1pm	4GLA02E20-C

Price \$175.00 **Member Price \$161.50**

Friday Flame: Glass Fusing

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Join us for Friday Flame, a unique night focused on industrial arts and good company. Learn how to cut glass and the basics of the fusing process. Then, design your own unique mosaic glass tile that will be kiln fired and ready the following Monday. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Feb 14	Friday	6:30-10pm	1GLA04B20-A
May 29	Friday	6:30-10pm	4GLA04B20-A

Price \$150.00 **Member Price \$138.50**

Fused Glass Pendants

ENTRY LEVEL

Learn to work with fusible glass, dichroic glass, and silver foil to create beautiful pendants in this three-hour workshop. Students will make several small glass fused pendants, and cord is provided to turn them into a necklace.

1 SESSION

Feb 1	Saturday	10am-1pm	1GLA07E20-A
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Price \$200.00 **Member Price \$185.00**

Glass Fusing and Slumping I

ENTRY LEVEL

Enter the world of art glass! We will focus on the techniques of fusing and slumping, which offer myriad possibilities for creating with color and form. You will learn the basics of glass and heat interaction, glass cutting, fusing, and slumping. The class will cover mold types as well as firing and annealing procedures. You will explore several new processes and each week you will complete several small projects.

5 SESSIONS

Feb 24-Mar 23	Monday	6:30-9:30pm	2GLA10B20-C
Apr 6-May 4	Monday	6:30-9:30pm	3GLA10B20-B

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1GLA10A20-A
Mar 14 & 15	Sat & Sun	10am-6pm	2GLA10A20-B

WEEKLONG

Aug 17-21	Mon-Frid	10am-1pm	5GLA10B20-C
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Price \$365.00 **Member Price \$338.50**

Glass Fusing and Slumping II

CONTINUING

This class is a great way to continue your study of glass slumping and fusing. You will design and create your own slumping molds using different materials, such as clay, fiber, and firebricks. We will discuss glass chemistry and more advanced fusing and slumping processes.

PREREQUISITE: Fundamentals of Glass Fusing and Slumping I OR Glass Fusing and Slumping I

WEEKEND

May 16 & 17	Sat & Sun	10am-6pm	3GLA31A20-A
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Price \$365.00 **Member Price \$338.50**

Glass Fusing and Slumping Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials and own cutting and snapping tools.

PREREQUISITE: Glass Fusing & Slumping II, Kiln Formed Glass, or Fundamentals of Glass Fusing & Slumping II and Crucible membership

18 SESSIONS

Jan 21-Mar 19	Tues & Thurs	6-10pm	1GLA77B20-A
Apr 7-Jun 4	Tues & Thurs	6-10pm	3GLA77B20-A

Price \$350.00 **Member Price \$319.00**

YOUTH CLASSES JAN-JUL 2020

Youth Creatures in Fused Glass (ages 12-18)

ENTRY LEVEL

Create a variety of creatures and habitats in both warm and cold glass. Students will learn how to cut, shape, and embellish glass using a variety of tools, molds, and machines. 2-D and 3-D projects may include fused tiles, jewelry, treasure chests, wind chimes, cityscapes, toadstools, insects, and jellyfish. You will be encouraged to choose projects and create art based on your own interests.

AFTER SCHOOL

Jan 22-Feb 19	Wednesday	3-6pm	1YGLA21Q20-YA
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SUMMER CAMP

Jul 6-10	Mon-Fri	9am-12pm	5YGLA21K20-YB
Jul 20-24	Mon-Fri	9am-12pm	5YGLA21K20-YD

Jun 22-26	Mon-Fri	1-4pm	5YGLA21M20-YA
Jul 13-17	Mon-Fri	1-4pm	5YGLA21M20-YC
Jul 27-31	Mon-Fri	1-4pm	5YGLA21M20-YE

Price \$415.00 **Member Price \$383.50**



JEWELRY

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop

3-Hour Taster: Jewelry

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to annealing, texturing, stamping, filing, sanding, polishing, and design, create a small metal pendant or keychain to take home. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	2-5pm	1JWL02F20-B
Jan 26	Sunday	2-5pm	1JWL02F20-B
Mar 28	Saturday	10am-1pm	2JWL02E20-C
Mar 28	Saturday	2-5pm	2JWL02F20-E
May 9	Saturday	10am-1pm	3JWL02E20-A
May 10	Sunday	2-5pm	3JWL02F20-B
Jun 20	Saturday	10am-1pm	4JWL02E20-C
Jun 20	Saturday	2-5pm	4JWL02F20-D

Price \$175.00 Member Price \$161.50

Friday Flame: Jewelry

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Join us for Friday Flame, a unique night focused on industrial arts and good company. Enjoy a two-hour workshop, annealing, sawing, and stamping your own custom copper charms and pendants. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Feb 14	Friday	6:30-10pm	1JWL04B20-A
Apr 3	Friday	6:30-10pm	3JWL04B20-A

Price \$150.00 Member Price \$138.50

Casting Wax to Silver

ENTRY LEVEL

Learn the ancient process of lost wax casting sculptural jewelry. Experimenting with different types of wax, you will carve, cast, and finish at least one small fetish, pendant, or ring in silver. Students are encouraged to bring in personal sketches and ideas. Bronze is also available.

WEEKEND

Jun 6 & 7	Sat & Sun	10am-6pm	4JWL20A20-B
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5 SESSIONS

Feb 24-Mar 23	Monday	6:30-9:30pm	2JWL20B20-B
Apr 6-May 4	Monday	6:30-9:30pm	3JWL20B20-A

WEEKLONG

Jan 6-10	Mon-Fri	2-5pm	1JWL20M20-A
Aug 10-14	Mon-Fri	2-5pm	5JWL20M20-C

Price \$450.00 Member Price \$421.50

Metal Clay Forms From Nature

ENTRY LEVEL

Updating this course description to: Create beautiful fine silver jewelry such as pendants, earrings, or charms from real leaves using metal art clay and paste! Learn how to properly apply metal art clay to organic materials, as well as various finishing, filling, patina, and burnishing techniques that help bring out shine or dimension in your organic created jewelry.

1 SESSION

May 3	Sunday	10am-6pm	3ACM14E20-A
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Price \$240.00 Member Price \$226.00

Metal Clay Pendants and Earrings

ENTRY LEVEL

Create pendants, earrings, and wearable sculptures from copper and silver metal clay, practicing and perfecting a variety of rolling, texture, applique, and carving techniques. Kiln fire each piece, then finish and polish your beautiful fine metal creations to be the envy of all!

3 SESSIONS

Mar 3-17	Tuesday	10am-3pm	2ACM10C20-B
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WEEKLONG

Jan 6-10	Mon-Fri	2-5pm	1ACM10M20-A
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Price \$410.00 Member Price \$386.00

Metal Clay Rings

ENTRY LEVEL

Create and design multiple rings from copper and silver metal clay, practicing a variety of rolling, texture, applique, and carving techniques. Kiln fire each piece, then finish and polish your newly fashioned fine metal rings!

WEEKEND

Feb 29 & Mar 1	Sat & Sun	10am-6pm	2ACM12A20-A
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Price \$410.00 Member Price \$386.00

Silver Soldering

ENTRY LEVEL

Learn the basics of soldering with silver! We will cover different types of joints, solders, and fluxes, as well as how to overcome challenges when working with rings, jump rings, posts, bezels, and more. You are welcome to bring your own small projects and you will leave the class with multiple samples.

1 SESSION

Apr 4	Saturday	10am-5pm	3JWL01E20-A
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Price \$175.00 Member Price \$165.00

Woven Wire Jewelry

NEW COURSE!

ENTRY LEVEL

Spend a weekend weaving wire into beautiful works of wearable art. When properly softened, wire can be used to emulate thread and then woven into jewelry, basketry, woven tapestries, clothing, and more! You will learn to manipulate copper and brass wire—changing the size, shape, and hardness to fit your needs. Then using basic weaving patterns, you will create a bracelet, pendant, or ring of your own design.

WEEKEND

Feb 29 & Mar 1	Sat & Sun	10am-4pm	2JWL12A20-A
May 16 & 17	Sat & Sun	10am-4pm	3JWL12A20-A

Price \$235.00 Member Price \$218.50

Elegant Stacking Rings

ENTRY LEVEL

Learn basic soldering and metalworking techniques to make a set of stackable rings from sterling silver, copper, brass, and gold fill. You will leave with several stylish rings for yourself or to give as gifts.

1 SESSION

Apr 25	Saturday	2-5:30pm	3JWL06F20-A
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Price \$225.00 Member Price \$208.00

Exploration in Chainmaking

ENTRY LEVEL

This class covers the classical skills needed to make woven and Etruscan chains. You will learn to manipulate wire through the selected use of hand tools, making jump rings, splicing wires together, and fusing jump rings shut. Your finished one-of-a-kind silver chain can accommodate an original pendant or be worn alone.

WEEKEND

Mar 7 & 8	Sat & Sun	10am-6pm	2JWL15A20-A
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Price \$320.00 Member Price \$294.50

Enameled Accessories

NEW COURSE!

ENTRY LEVEL

Learns basic metalsmithing techniques, including annealing, hammering texture, stamping, and using shears and disc cutters to create unique pins, ornaments, or keychains in copper. Then practice your enamel skills with counter enamel, using stencils, and sgraffito techniques to decorate your work.

1 SESSION

June 21	Sunday	10am-6pm	4JWL03H20-A
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Price \$175.00 Member Price \$163.50

Jewelry and Metals I

ENTRY LEVEL

Learn the basics of jewelry making. We will focus on sawing, filing, sanding, soldering, texturing, annealing, stamping, polishing, and design. Students will learn the properties of metals like copper, brass, and silver and make a sterling silver ring.

5 SESSIONS

Jan 15-Feb 12	Wednesday	6:30-9:30pm	1JWL10B20-E
Feb 18-Mar 17	Tuesday	6:30-9:30pm	2JWL10B20-F
Apr 8-May 6	Wednesday	6:30-9:30pm	3JWL10B20-H

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1JWL10A20-B
Feb 22 & 23	Sat & Sun	10am-6pm	2JWL10A20-C
Mar 14 & 15	Sat & Sun	10am-6pm	2JWL10A20-D
Apr 11 & 12	Sat & Sun	10am-6pm	3JWL10A20-A
May 2 & 3	Sat & Sun	10am-6pm	3JWL10A20-B
Jun 13 & 14	Sat & Sun	10am-6pm	4JWL10A20-C

WEEKLONG

Jan 6-10	Mon-Fri	10am-1pm	1JWL10K20-A
Aug 10-14	Mon-Fri	10am-1pm	5JWL10K20-K

Price \$430.00 Member Price \$399.00

Jewelry and Metals II

CONTINUING

Further develop your basic metalsmithing skills. We will teach disk cutting and doming, bezel setting, three types of rivets, and further design techniques. In addition to technical reference samples, you will create an original piece of jewelry of your own design using a cabochon stone.

PREREQUISITE: *Jewelry and Metals I*

5 SESSIONS

Jan 14-Feb 11	Tuesday	6:30-9:30pm	1JWL31B20-B
Mar 31-Apr 28	Tuesday	6:30-9:30pm	3JWL31B20-A

WEEKEND

Feb 1 & 2	Sat & Sun	10am-6pm	1JWL31A20-A
Jun 27 & 28	Sat & Sun	10am-6pm	4JWL31A20-B

Price \$400.00 Member Price \$369.00

Chasing and Repousse

CONTINUING

Learn two ancient metalworking techniques for creating dimension and endless detail, by hammering sheet metal into three-dimensional reliefs. Working with two-inch squares of copper and using simple motifs of your choice, you will learn to isolate and control the unique properties of sheet metal to form a realistic relief in your original piece. With chasing and repousse you can bring images to life that will accent your sculpture, clothing, furniture, or jewelry with fine detail, texture, and depth.

PREREQUISITE: *Jewelry and Metals I*

5 SESSIONS

Feb 19–Mar 18 Wednesday 6:30–9:30pm 2JWL53B20-A

Price \$360.00 Member Price \$330.00

Advanced Sculpting in Metal Clay

NEW COURSE!

CONTINUING

Using silver metal clay, design and create sculptural art that has a strong narrative, focusing on pieces that provoke memory, emotion, or tell a story. Starting with a sketch or concept, students will break down the design into its essential components then build, refine, and embellish your designs. The pieces will be fired and finished, allowing students to leave with their new works of narrative jewelry.

PREREQUISITE: *previous metal clay experience*

5 SESSIONS

Aug 17–21 Friday 2–5pm 5ACM18M20-A

Price \$375.00 Member Price \$359.00

YOUTH CLASSES JAN–JUL 2020

Youth Jewelry and Metals I (ages 12–18)

ENTRY LEVEL

Make a fashion statement! Using copper, silver, and other nonferrous metals, you will learn jewelry and metal art skills to create trendy jewelry of your own design. In this hands-on class, you will be taught filing, sanding, texturing, and polishing techniques used in creating metal jewelry. You will leave this class skilled in jewelry making, wearing a project of your own design! *Note: Previously called Youth Exploration in Metal Jewelry*

WEEKEND

Feb 15 & 16 Sat & Sun 10am–5pm 1YJWL10A20-YA

SPRING BREAK

Mar 30–Apr 3 Mon–Fri 1–4pm 3YJWL10M20-YA

SUMMER CAMP

Jun 15–19 Mon–Fri 9am–12pm 5YJWL10K20-YA

Jul 6–10 Mon–Fri 1–4pm 5YJWL10M20-YB

Jul 27–31 Mon–Fri 1–4pm 5YJWL10M20-YC

Price \$375.00 Member Price \$345.00



Youth Casting Wax to Silver

Youth Jewelry and Metals II (ages 12–18)

NEW COURSE!

CONTINUING

Further develop your basic metalsmithing skills. We will teach disk cutting and doming, bezel setting, three types of rivets, and further design techniques. In addition to technical reference samples, you will create an original piece of jewelry of your own design using a cabochon stone.

PREREQUISITE: *Youth Jewelry and Metals I*

SUMMER CAMP

Jul 20–24 Mon–Fri 1–4pm 5YJWL31M20-YA

Price \$350.00 Member Price \$320.00

Youth Casting Wax to Silver (ages 12–18)

ENTRY LEVEL

Learn the lost wax casting process, an age-old sculptural jewelry-casting process that involves creating a model out of wax, encasing that model in plaster, then casting the form in metal. You will experiment with different types of wax to create at least one pendant or ring in silver or bronze, relying on techniques and tools that date back to ancient times. Bring your sketches and ideas for jewelry.

SUMMER CAMP

Jun 15–19 Mon–Fri 1–4pm 5YJWL16M20-YA

Jul 13–17 Mon–Fri 1–4pm 5YJWL16M20-YB

Price \$475.00 Member Price \$441.50

Youth Chibi: Miniature Figurines (ages 8–11)

ENTRY LEVEL

Learn the basics of preparing, shaping, sculpting, cane making, and baking polymer clay. Use brightly colored clay to make small sculptures known as chibis, incorporating them into wearable objects. You will leave this class with small memorable objects and unique self-made accessories.

WEEKEND

Feb 15 & 16 Sat & Sun 10am–6pm 1YJWL14A20-YA

SUMMER CAMP

Jun 22–26 Mon–Fri 9am–12pm 5YJWL14K20-YB

Jun 15–19 Mon–Fri 1–4pm 5YJWL14M20-YA

Jul 13–17 Mon–Fri 1–4pm 5YJWL14M20-YC

Jul 27–31 Mon–Fri 1–4pm 5YJWL14M20-YD

Price \$310.00 Member Price \$284.00

Youth Jewelry Immersion Program (ages 12–18)

ENTRY LEVEL

Dive deep in this beginning and continuing level youth workshop. Students take an immersive step into summer camp study, becoming young artisans along the way. Using copper, silver, and other nonferrous metals, you will learn jewelry and metal art skills to create trendy metalwork of your own design. We will cover filing, sanding, texturing, and polishing techniques used in creating metal jewelry. You will also be exposed to setting a cabochon stone, disk cutting and dapping, and riveting.

SUMMER CAMP

Jun 22–26 Mon–Fri 9am–4pm 5YJWL85P20-YA

Price \$775.00 Member Price \$712.50

Youth Kandi Cuffs and Perlers (ages 8–11)

ENTRY LEVEL

Learn a variety of beading techniques to create unique and personal accessories. Students will use Pony Beads to create jewelry and accessories known as Kandi Cuffs/Mask/Charms, then personalize their work with their Perler creations or small objects brought in from home.

SUMMER CAMP

Jun 22–26 Mon–Fri 1–4pm 5YJWL22M20-YA

Jul 6–10 Mon–Fri 1–4pm 5YJWL22M20-YB

Jul 20–24 Mon–Fri 1–4pm 5YJWL22M20-YC

Price \$275.00 Member Price \$251.00

Youth Metal Clay (ages 12–18)

NEW COURSE!

ENTRY LEVEL

Explore the fun and flare of fine silver and copper metal clay! Create pendants, earrings, and wearable sculptures using rolling, texture, applique, and carving techniques. Kiln fire each piece, then finish and polish your new bling.

SUMMER CAMP

Jul 13–17 Mon–Fri 9am–12pm 5YJWL10K20-YA

Price \$435.00 Member Price \$412.50

Youth Woven Wire Jewelry (ages 14–18)

NEW COURSE!

ENTRY LEVEL

Take a class in the merging of textiles and jewelry with our woven jewelry course! Learn basics of weaving, braiding and looping for bracelets, necklaces, earrings, and other wearable items.

SUMMER CAMP

Jul 20–24 Mon–Fri 9am–12pm 5YJWL12M20-YA

Price \$300.00 Member Price \$273.00



KINETICS & ELECTRONICS

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop

Arduino Microcontrollers: Building Smart Art

ENTRY LEVEL

Arduino is an open-source electronics platform based on flexible, easy-to-use hardware and software. It is perfect for artists, designers, hobbyists, and anyone interested in making intelligent creations that can sense and act in the real world. The types of sensors and actuators possible are nearly limitless! Starting with the basics, we thoroughly review Arduino's hardware and software features. Plenty of hands-on lab time deepens your understanding and enables you to create interactions of your own. An Arduino board and accessories are provided and students take home all components that are part of their final project.

5 SESSIONS

Jan 14-Feb 11	Tuesday	6:30-9:30pm	1KIN17B20-A
Mar 4-Apr 1	Wednesday	6:30-9:30pm	2KIN17B20-B
May 2-30	Saturday	2-5pm	3KIN17F20-A

WEEKLONG

Aug 17-21	Mon-Fri	10am-1pm	5KIN17K20-B
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Price \$355.00 Member Price \$328.50

Digital Fabrication and Foundry

ENTRY LEVEL

In this two-part course, you will be introduced to digital design and 3D printing using Autodesk Fusion 360 with the goal of producing a number of pieces suitable for casting in aluminum. These designs will be 3D printed using resin, PLA, and CNC milling. With input from the instructor, you will select one of your prints to cast into an aluminum using the ceramic shell process. There is an additional cost for larger pieces or to cast in bronze.

10 SESSIONS

Jan 16-Mar 19	Thursday	7-10pm	1KIN32B20-A
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Price \$835.00 Member Price \$765.50

Electromechanics for Everything

ENTRY LEVEL

Use the simplest of electronic and mechanical components to make things spin, twitch, jump, bend, and wiggle. This class covers switches, buttons, relays, motors, servos, and solenoids. We will also explore some basic analog and digital control circuits, AC/DC current, and safety. The techniques taught in this class can be applied to almost any kind of project.

5 SESSIONS

Jan 27-Mar 2	Monday	7-10pm	1KIN12B20-A
No class Feb 17			
May 5-Jun 2	Tuesday	7-10pm	3KIN12B20-A

Price \$335.00 Member Price \$308.50

3D Modeling I

ENTRY LEVEL

Learn how to design your own 3D sculptures! In this course, you will explore a variety of 3D modeling software user interfaces and the basic ways to construct objects. Each student will design at least one object, which we will print and have available for pick-up by the following weekend.

WEEKEND

Mar 14 & 15	Sat & Sun	10am-6pm	2KIN16A20-A
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Price \$275.00 Member Price \$254.00

3D Modeling II

CONTINUING

In this class we will dig into advanced modeling techniques for Autodesk CAD software—primarily Fusion360. The goal is to teach students how to create a workflow for designing, prototyping, and finishing functional design or art objects. The printers will be available for prototypes and final objects will be printed and made ready for pick up the week after the class ends.

PREREQUISITE: Intro to 3D Modeling or computer proficiency and approval by instructor.

5 SESSIONS

Jun 2-30	Tuesday	7-10pm	4KIN36A20-A
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Price \$325.00 Member Price \$300.00

Mechanical Sculpture

ENTRY LEVEL

Learn how to make your creations move! This course introduces simple and complex mechanisms including gears, cams, pulleys, and linkages. You will learn how to create, convert, and control movement, along with combining these elements to get the complex motion you desire. Hands-on lab time using foam board, plastic, and wood deepen your understanding of these concepts, which you can apply to other materials. Personal projects and interests are welcomed and encouraged.

WEEKEND

Feb 1 & 2	Sat & Sun	10am-6pm	1KIN10A20-A
Apr 11 & 12	Sat & Sun	10am-6pm	3KIN10A20-A

Price \$335.00 Member Price \$308.50

YOUTH CLASSES JAN-JUL 2020

Youth Arduino Microcontrollers (ages 12-18)

ENTRY LEVEL

Learn to program an Arduino Microcontroller to turn commands into actions! Arduino is an open-source electronics platform based on flexible, easy-to-use hardware and software. Youth can program their creations to sense and act in the real world using motors, lights, or sounds. An Arduino board and accessories are provided. Students take home all components that are part of their final project.

SUMMER CAMP

Jul 13-17	Mon-Fri	9am-12pm	5YKIN17K20-YA
Jul 27-31	Mon-Fri	1-4pm	5YKIN17M20-YB

Price \$400.00 Member Price \$374.00

Youth Extreme Gizmos (ages 8-11)

ENTRY LEVEL

Learn kinetic techniques to design, engineer, and construct a mechanical sculpture, contraption, or gadget with lights and moving parts. Using new and salvaged components, you will learn how motors, lights, and switches work, how to create mechanical structures, how to create different types of motion, and how to incorporate switches to operate your very own fantastical contraption!

AFTER SCHOOL

Jan 22-Feb 19	Wednesday	3-6pm	1YKIN10D20-YA
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SPRING BREAK

Mar 30-Apr 3	Mon-Fri	9am-12pm	3YKIN10K20-YA
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SUMMER CAMP

Jul 20-24	Mon-Fri	9am-12pm	5YKIN10K20-YC
Jul 27-31	Mon-Fri	9am-12pm	5YKIN10K20-YD
Jun 15-19	Mon-Fri	1-4pm	5YKIN10M20-YA
Jul 13-17	Mon-Fri	1-4pm	5YKIN10M20-YB

Price \$335.00 Member Price \$307.50

Youth Radical Robots (ages 12-18)

ENTRY LEVEL

Build a simple remote-controlled robot. From the wheels up, you will create your robot's shape and personality from new and salvaged components, mechanisms, and electrical components. Learn soldering, mechanical construction techniques, and how to remove and repurpose these items.

WEEKEND

Apr 25 & 26	Sat & Sun	10am-5pm	3YKIN15A20-YA
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SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YKIN15K20-YA
Jul 6-10	Mon-Fri	1-4pm	5YKIN15M20-YC
Jul 20-24	Mon-Fri	1-4pm	5YKIN15M20-YD

Price \$400.00 Member Price \$367.50

Youth Kinetics Immersion Program (ages 12-18)

ENTRY LEVEL

Dive deep in this beginning and continuing level youth workshop. Students take an immersive step into summer camp study, becoming young makers along the way. We will construct mini-sumobots, small robots that can seek out their opponents and push them out of the competition ring. Students learn to build circuits by identifying components, assembling a circuit board, and soldering parts together. We will build the chassis of our sumobots with simple materials, adding motors and sensors to help the bots move and navigate. The week will culminate with a showdown where students can pit their bots against each other!

SUMMER CAMP

Jun 22-26	Mon-Fri	9am-4pm	5YKIN85P20-YA
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Price \$775.00 Member Price \$712.50



LEATHER, TEXTILES & FINE ART

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop



Bundle Dyeing

3-Hour Taster: Leather

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. Cut, fold, and sew a 6"x9" personal bullet journal, then make it your own by adding texture, color, and shine. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	10am-1pm	1TEX02E20-A
Mar 28	Saturday	2-5pm	2TEX02F20-B
Jun 20	Saturday	10am-1pm	4TEX02E20-A

Price \$175.00 Member Price \$161.50

Friday Flame: Leather

ENTRY LEVEL

End the workweek with fire, friends, and a toast. Join us for Friday Flame, a unique night focused on industrial arts and good company. Start by learning to cut, punch, tool, dye, and stitch leather, then create a unique leather card wallet to take home. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Feb 14	Friday	6:30-10pm	1TEX04B20-A
May 29	Friday	6:30-10pm	4TEX04B20-A

Price \$150.00 Member Price \$138.50

Bookbinding

ENTRY LEVEL

In this course, you will learn the art of bookbinding, to create beautiful personal books for capturing memories, ideas, drawings, and more. We will focus on the foundation of bookbinding technique, history, and materials. You will construct book blocks, practice stitching techniques, and design covers that express your creative voice. Traditional and contemporary tools will be used to construct several types of books.

5 SESSIONS

Feb 8-Mar 7	Saturday	1-4pm	1TEX16F20-A
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Price \$370.00 Member Price \$344.00

Contemporary Embossing

ENTRY LEVEL

Embossing is the process of raising the two-dimensional surface of a design to give it varying degrees of depth, an effect that can't be achieved in painting, drawing, or printing. In this three-hour class, students will learn to emboss using a traditional press, exploring a variety of materials and both traditional and experimental techniques. By the end of class, each student will have produced their own embossed artwork.

1 SESSION

Mar 29	Sunday	10am-1pm	2TEX20E20-A
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Price \$200.00 Member Price \$185.00

Leather Working I

ENTRY LEVEL

Learn techniques for working with leather, including cutting, edging, stitching, dyeing, and oiling. We will cover design, setting rivets, adding hardware like buckles, and safety issues. Each student will make a belt and at least one bag.

5 SESSIONS

Jan 15-Feb 12	Wednesday	7-10pm	1TEX29B20-B
Feb 27-Mar 26	Thursday	7-10pm	2TEX29B20-C

WEEKEND

Feb 1 & 2	Sat & Sun	10am-6pm	1TEX29A20-A
Apr 4 & 5	Sat & Sun	10am-6pm	3TEX29A20-A
May 30 & 31	Sat & Sun	10am-6pm	4TEX29A20-B

Price \$375.00 Member Price \$345.00

Leather Working II

CONTINUING

Apply and build upon basic leatherworking techniques to create a unique leather project of your own design and pattern. From selecting materials to developing a pattern, you will be challenged to problem-solve all steps of the creative process. We will introduce tooling, wet molding, and other advanced techniques. Come with an idea for your final project.

PREREQUISITE: *Leather Working I*

5 SESSIONS

Apr 15-May 13	Wednesday	7-10pm	3TEX31B20-A
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Price \$375.00 Member Price \$345.00

Bundle Dyeing

NEW COURSE!

ENTRY LEVEL

Learn the beautiful art of bundle dyeing with plants! In this class, you will gain an understanding of how to work with natural dyes as you explore the process of bundle dyeing. We will cover an introduction to natural dye plants and different types of fabric. We will work with natural dyestuffs including food scraps, fresh and dried flowers, eucalyptus, and more. You will learn how to bundle dye on silk and cotton, including how to prepare the fabric, place the dyestuffs, wrap the fabric, and steam the fabric on a stovetop. No prior experience necessary - beginners welcome.

1 SESSION

Jun 10	Wednesday	6-10pm	4TEX01E20-A
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Price \$90.00 Member Price \$84.00

Indigo Dyeing and Shibori

ENTRY LEVEL

Learn to create unique patterns on fabric using shibori techniques and natural indigo dye. You will use folding, tying, and binding resist techniques to dye four cotton napkins and one tote bag. You will also learn the basics of mixing and maintaining a natural indigo dye bath.

1 SESSION

Feb 6	Thursday	6-10pm	1TEX03B20-A
May 4	Monday	6-10pm	3TEX03B20-A

Price \$125.00 Member Price \$117.00



YOUTH LEATHER, TEXTILES & FINE ART

UPCOMING CLASSES **JAN–JUL 2020** ▶ TheCrucible.org/shop



Youth Leather Working



Youth Paper Quilling

Youth Leather Working (ages 12-18)

ENTRY LEVEL

Learn techniques for working with leather, including cutting, edging, stitching, dyeing, and oiling. We will cover design, setting rivets, adding hardware like buckles, and safety issues. Each student will make a belt and at least one bag.

SUMMER CAMP

Jun 15–19	Mon-Fri	9am–12pm	5YTEX29K20-YA
Jul 22–26	Mon-Fri	1–4pm	5YTEX29M20-YB
Jul 6–10	Mon-Fri	1–4pm	5YTEX29M20-YC
Jul 13–17	Mon-Fri	1–4pm	5YTEX29M20-YD
Jul 20–24	Mon-Fri	1–4pm	5YTEX29M20-YE
Jul 27–31	Mon-Fri	1–4pm	5YTEX29M20-YF

Price \$400.00 Member Price \$368.50

Youth Paper Quilling (ages 12-18)

ENTRY LEVEL

Come learn the craft of paper quilling, the practice of cutting and bending paper into shapely, decorative forms. Paper quilling projects can be used as wearable and/or decorative pieces.

SUMMER CAMP

Jun 22–26	Mon-Fri	9am–12pm	5YTEX20K20-YA
Jul 20–24	Mon-Fri	9am–12pm	5YTEX20K20-YB

Price \$250.00 Member Price \$228.00

Youth Paper Sculpture (ages 8-11)

ENTRY LEVEL

Learn how to design, construct and perfect your own unique sculpture made of paper materials! Utilizing recyclable and everyday paper fibers, students are pushed to create sturdy structures with colorful designs.

SUMMER CAMP

Jun 15–19	Mon-Fri	9am–12pm	5YTEX16K20-YA
Jul 20–24	Mon-Fri	9am–12pm	5YTEX16K20-YC
Jul 6–10	Mon-Fri	1–4pm	5YTEX16M20-YB

Price \$250.00 Member Price \$227.50

Youth Print Making (ages 8-11)

NEW COURSE!

ENTRY LEVEL

Get an introduction to the wonderful practice of printmaking through cartography, relief, and monotype print! Youth will learn how to prep, design, pull and curate their prints while learning basic care of tools and solvents.

SUMMER CAMP

Jul 13–17	Mon-Fri	9am–12pm	5YTEX21K20-YB
Jun 22–26	Mon-Fri	1–4pm	5YTEX21M20-YA
Jul 27–31	Mon-Fri	1–4pm	5YTEX21M20-YC

Price \$250.00 Member Price \$228.50

Youth Mexican Tin Art (ages 8-11)

ENTRY LEVEL

Learn how to create tin art inspired by repujado and hojalata done in Mexico. After a brief history of the traditional cultural practice and demonstration of techniques, emboss your own designs or pre-drawn patterns onto tooling aluminum.

WEEKEND

Apr 25 & 26	Sat & Sun	10am–5pm	3YTEX18A20-YA
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Price: \$155.00 Member Price: \$144.00



MACHINE SHOP

UPCOMING CLASSES **JAN–JUN 2020** ▶ TheCrucible.org/shop



Turning and Milling

Turning and Milling

ENTRY LEVEL

Learn to fabricate metal parts using the lathe and vertical milling machine. Instruction includes machine design and operation, materials, blueprint reading, cutting feeds and speeds, tooling and precision measurement. The mill and lathe are the cornerstones of any machine shop and can produce pieces with great precision, repeatability, and accuracy. The goal of this class is to explore the capabilities and scope of these versatile machines through a series of machined projects in aluminum, brass, and steel.

10 SESSIONS

Jan 14–Feb 13	Tues & Thurs	7-10pm	1MAC10B20-A
Feb 25–Mar 26	Tues & Thurs	7-10pm	2MAC10B20-B
Apr 21–May 21	Tues & Thurs	7-10pm	3MAC10B20-B

4 SESSIONS

Apr 4–12	Sat & Sun	10am-6pm	3MAC10A20-A
Jun 20–28	Sat & Sun	10am-6pm	4MAC10A20-C

Price \$680.00 Member Price \$625.00

Machine Shop Lab

CONTINUING

Lab sessions are a great benefit! Practice the skills you learned in class and explore new possibilities with your craft, or work on a personal project. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials.

PREREQUISITE: *Turning and Milling* (previously called *The Mother Machines: Turning & Milling*) and a current Crucible membership.

WEEKEND

Febr 29 & Mar 1	Sat & Sun 10am-6pm	2MAC77A20-A
May 16 & 17	Sat & Sun 10am-6pm	3MAC77A20-A

Price \$275.00 Member Price \$250.00

Fundamentals of Machine Shop

ENTRY LEVEL

Learn the fundamentals of Machine Shop theory and practice! Over this two day course, you will be provided with a detailed handout packet and make a small project using basic machine tools, including the horizontal and vertical band-saws and the drill press.

WEEKEND

Feb 22 & 23	Sat & Sun 10am-6pm	2MAC09A20-A
May 2 & 3	Sat & Sun 10am-6pm	3MAC09A20-A

Price \$365.00 Member Price \$337.50



MOLDMAKING

UPCOMING CLASSES **JAN–JUN 2020** ▶ TheCrucible.org/shop



Moldmaking with Silicone and Plaster

Moldmaking and Casting with Plastic

ENTRY LEVEL

Learn the secrets of plastic casting using flexible molds, just like the ones that professionals use for product development. You will make molds and use them to create plastic reproductions. Personal projects are welcome, subject to size limitations.

5 SESSIONS

Jan 16–Feb 13	Thursday	6:30–9:30pm	1MLD12B20-A
Apr 6–May 4	Monday	6:30–9:30pm	3MLD12B20-A

Price \$350.00 Member Price \$324.50

Moldmaking with Silicone and Plaster

ENTRY LEVEL

Silicone molds can be used to cast many materials including wax, plastic resin, concrete, and plaster. You will learn how to properly apply silicone to an object and build a plaster case to support the silicone once it is removed from the model. Students will work with both silicone and plaster and learn helpful tips for selecting objects to cast.

8 SESSIONS

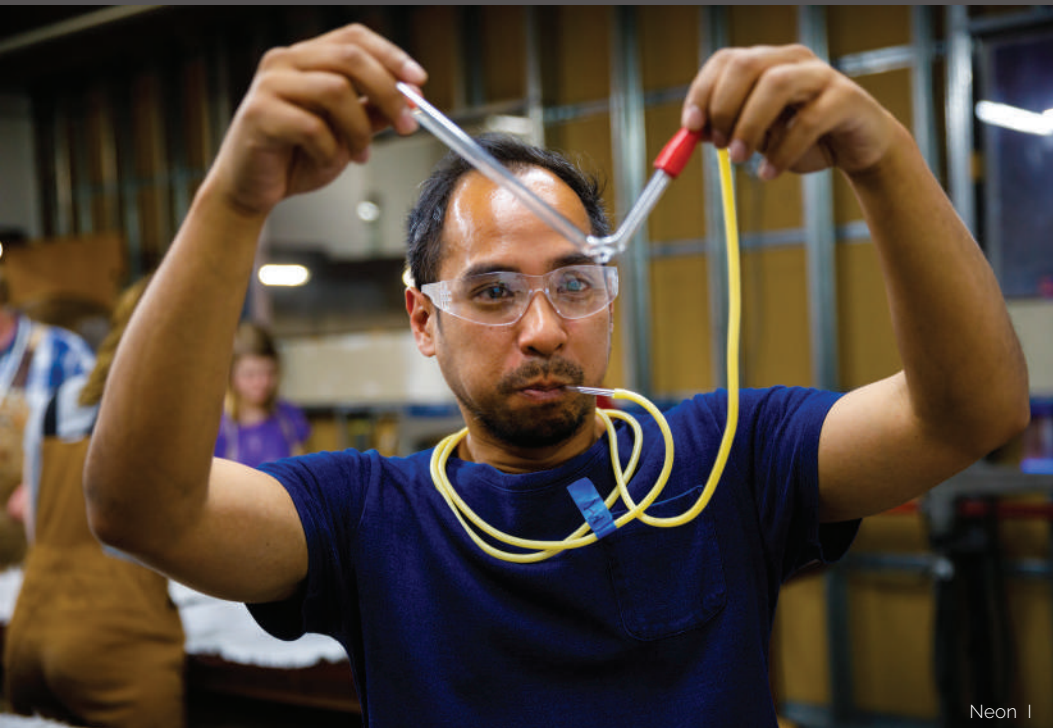
Feb 17–Apr 6	Monday	6:30–9:30pm	1MLD29B20-A
May 21–Jul 9	Thursday	6:30–9:30pm	4MLD29B20-A

Price \$475.00 Member Price \$437.50



NEON & LIGHT

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop



Neon I

Demystifying the LED

ENTRY LEVEL

Learn about LEDs and the basic circuits needed to make them work. LEDs are efficient, inexpensive, and long lasting. They vary in color, shape, intensity, and size. Students receive a complete kit of LEDs and parts to use in class and for future projects.

1 SESSION

Feb 29	Saturday	10am-5pm	2NEL19E20-A
May 3	Saturday	10am-5pm	3NEL19E20-A

Price \$225.00 Member Price \$206.50

Neon I

ENTRY LEVEL

Light up your life with neon! In this class you will learn the skills needed to complete a project in neon and an illuminated project. In addition to hands-on instruction in tools and techniques, this class includes discussion of design and aesthetic considerations. Transformers are provided.

5 SESSIONS

Jan 9-Feb 6	Thursday	6-9pm	1NEL10B20-A
Jan 11-Feb 8	Saturday	10am-1pm	1NEL10E20-C
Feb 20-Mar 19	Thursday	6-9pm	2NEL10B20-B
Apr 7-May 5	Tuesday	6-9pm	3NEL10B20-A
Apr 9-May 7	Thursday	6-9pm	3NEL10B20-B
May 26-June 23	Tuesday	6-9pm	4NEL10B20-C
Apr 11-May 16	Saturday	10am-1pm	3NEL10E20-F

No class Apr 18

Price \$485.00 Member Price \$450.00

Neon II

CONTINUING

Building on skills developed in Neon I, this class emphasizes the decisions you make in creating a unique artwork using neon illumination. Classwork includes discussion of the expanded use of color, choice of glass size, bombarding and manifold operation, self-directed sculptural conception, and construction. You will have the opportunity to complete two or three illuminated projects.

PREREQUISITE: Neon I

5 SESSIONS

Feb 15-Mar 14	Saturday	10am-1pm	1NEL31E20-A
May 30-Jun 27	Saturday	10am-1pm	4NEL31E20-A

Price \$485.00 Member Price \$450.00

Neon Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials.

PREREQUISITE: Neon I and Crucible membership

5 SESSIONS

Jan 12-Feb 9	Sunday	10am-1pm	1NEL77E20-A
Jan 12-Feb 9	Sunday	2-5pm	1NEL77F20-B
Jan 14-Feb 11	Tuesday	6-9pm	1NEL77B20-E
Feb 16-Mar 15	Sunday	10am-1pm	2NEL77E20-C
Feb 16-Mar 15	Sunday	2-5pm	2NEL77F20-D
Feb 18-Mar 17	Tuesday	6-9pm	2NEL77B20-F

Apr 12-May 17	Sunday	2-5pm	3NEL77F20-B
No class Apr 19			
May 31-Jun 28	Sunday	2-5pm	4NEL77F20-D

Price \$175.00 Member Price \$160.00

YOUTH CLASSES JAN-JUL 2020

Youth Neon (ages 12-18)

ENTRY LEVEL

Learn the science behind neon gases and high voltage electrical transformers as you are taught how to shape and manipulate glass tubes into letters, shapes, or figures. Bending glass in this challenging course will build hand-eye coordination and concentration skills. The goal by the end of the week is for each student to make one small, working, neon-filled luminous tube that is wired with a transformer. The piece can be taken home or incorporated into other artwork.

SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YNEL10K20-YA
Jun 22-26	Mon-Fri	9am-12pm	5YNEL10K20-YB
Jul 6-10	Mon-Fri	9am-12pm	5YNEL10K20-YC
Jul 13-17	Mon-Fri	9am-12pm	5YNEL10K20-YD
Jul 20-24	Mon-Fri	9am-12pm	5YNEL10K20-YE
Jul 27-31	Mon-Fri	9am-12pm	5YNEL10K20-YF

Price \$455.00 Member Price \$420.00



STONE WORKING

UPCOMING CLASSES **JAN–JUN 2020** ► TheCrucible.org/shop



Stone Carving

ENTRY LEVEL

Learn to carve stone using traditional hand tools. With hammer and chisel you can enjoy the satisfaction of turning a raw piece of stone into a unique creation. All tools will be provided. During the first session, you will learn about selecting your stone and where to buy it. The Crucible may also have a small selection of stone for purchase, for approximately \$35 per stone. Returning students are welcome.

10 SESSIONS

Apr 8–Jun 10 Wednesday 6:30–9:30pm 3STN10B20-A

Price \$625.00 **Member Price** \$572.50



WELDING

UPCOMING CLASSES JAN–JUN 2020

➤ TheCrucible.org/shop

Friday Flame: MIG Welding

ENTRY LEVEL

End the workweek with fire, friends, and a toast! Familiarize yourself with welding equipment and basic skills, then try welding words or creative patterns on steel. After class, enjoy wine, beer, or a non-alcoholic beverage and marvel at your new masterpiece!

1 SESSION

Jan 10	Friday	6:30-10pm	1MIG04B20-A
Feb 14	Friday	6:30-10pm	1MIG04B20-B
Jan 10	Friday	6:30-10pm	1MIG04B20-A
Feb 14	Friday	6:30-10pm	1MIG04B20-B
Apr 3	Friday	6:30-10pm	3MIG04B20-A
May 29	Friday	6:30-10pm	4MIG04B20-B

Price \$150.00 Member Price \$138.50

3-Hour Taster: ARC Welding

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to stick welding, try your hand at creating a welded, geometric paper weight to take home or give as a gift. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	2-5pm	1ARC02F20-A
Jan 26	Sunday	10am-1pm	1ARC02E20-B
May 9	Saturday	2-5pm	3ARC02F20-A
May 10	Sunday	10am-1pm	3ARC02E20-B
Jun 20	Saturday	10am-1pm	4ARC02E20-C
Jun 21	Sunday	2-5pm	4ARC02F20-D

Price \$175.00 Member Price \$161.50

3-Hour Taster: MIG Welding

ENTRY LEVEL

3-Hour Tasters are a great way to explore a new art form without the deeper commitment of a full course. After a basic introduction to metal inert gas (MIG) welding, plasma cutting, and fabrication processes, create a small metal sculpture to take home. Take a Taster and meet new friends or give the gift of creativity to someone special.

1 SESSION

Jan 25	Saturday	10am-1pm	1MIG02E20-A
Jan 25	Saturday	2-5pm	1MIG02F20-B
Jan 26	Sunday	10am-1pm	1MIG02E20-C
Jan 26	Sunday	2-5pm	1MIG02F20-D
Mar 28	Saturday	10am-1pm	2MIG02E20-E
Mar 28	Saturday	2-5pm	2MIG02F20-F
Mar 29	Sunday	10am-1pm	2MIG02E20-G
Mar 29	Sunday	2-5pm	2MIG02F20-H
May 9	Saturday	10am-1pm	3MIG02E20-A
May 9	Saturday	2-5pm	3MIG02F20-B
May 10	Sunday	10am-1pm	3MIG02E20-C
May 10	Sunday	2-5pm	3MIG02F20-D
Jun 20	Saturday	10am-1pm	4MIG02E20-E
Jun 20	Saturday	2-5pm	4MIG02F20-F
Jun 21	Sunday	10am-1pm	4MIG02E20-G
Jun 21	Sunday	2-5pm	4MIG02F20-H

Price \$175.00 Member Price \$161.50

Exploring Welding

ENTRY LEVEL

Can't decide what type of welding to take? Explore the varied possibilities of oxy-acetylene, arc/stick, metal inert gas (MIG), and tungsten inert gas (TIG). You will get the chance to try all four, gaining an understanding of which type of welding is most appropriate for the projects you want to complete.

WEEKEND

Feb 1 & 2	Sat & Sun	10am-2pm	1WLD03E20-A
Apr 11 & 12	Sat & Sun	10am-2pm	3WLD03E20-A

Price \$295.00 Member Price \$271.00

MIG Welding

ENTRY LEVEL

MIG (metal inert gas) or GMAW (gas metal arc welding) is the most common type of modern welding. It is a process by which a welding machine focuses electricity along a moving metal wire that is fed through a hose to a handheld torch. Student welders manipulate this torch as the electricity melts the wire and creates a weld. You will learn about the fundamentals of MIG welding, such as metallurgy, preparation, joints, technique, and safety. We will also cover plasma torch cutting. The class begins with a basic, technical welding exercise, then transitions into a small creative project.

5 SESSIONS

Jan 16–Feb 13	Thursday	7-10pm	1MIG10B20-B
Apr 8–May 6	Wednesday	7-10pm	3MIG10B20-J

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1MIG10A20-C
Feb 8 & 9	Sat & Sun	10am-6pm	1MIG10A20-D
Feb 29 & Mar 1	Sat & Sun	10am-6pm	2MIG10A20-E
Mar 14 & 15	Sat & Sun	10am-6pm	2MIG10A20-F
Apr 4 & 5	Sat & Sun	10am-6pm	3MIG10A20-A
Apr 25 & 26	Sat & Sun	10am-6pm	3MIG10A20-B
May 16 & 17	Sat & Sun	10am-6pm	3MIG10A20-C
Jun 6 & 7	Sat & Sun	10am-6pm	4MIG10A20-D
Jun 27 & 28	Sat & Sun	10am-6pm	4MIG10A20-E

WEEKLONG

Jan 6–10	Mon-Fri	10am-1pm	1MIG10K20-A
Aug 10–14	Mon-Fri	2-5pm	5MIG10M20-L

Price \$435.00 Member Price \$400.00

Women's MIG Welding

ENTRY LEVEL

Learn welding taught by women, for women! We will teach you the fundamentals of MIG welding and plasma torch cutting, including metallurgy, preparation, joints, technique, and safety – all the same skills and techniques as MIG Welding I, but in an all-female environment. Come with ideas for a simple project.

WEEKEND

May 2 & 3	Sat & Sun	10am-6pm	3MIG18A20-A
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Price \$435.00 Member Price \$400.00

Oxy-acetylene Welding

ENTRY LEVEL

Welding with heat produced by burning gases is one of the oldest methods of welding, dating back to ancient Greece. In this course, students will be introduced to the gas burning torch, learning to control gases and use heat to cut, braze, and weld steel. The class begins with a collection of technical exercises and finishes with a small creative project all in mild steel.

WEEKEND

Mar 28 & 29	Sat & Sun	10am-6pm	2ARC20A20-A
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Price \$435.00 Member Price \$400.00

Wood + Metal

ENTRY LEVEL

Learn the fundamental properties of wood and metal, two titans of arts materials. Students create a custom piece of furniture that incorporating a wooden top with a metal base, highlighting the ways each one complements the other. Choose from a selection of customizable projects, including a small table, chair, or bookcase. **RECOMMENDED PREREQUISITE:** Woodworking I or previous woodworking experience.

10 SESSIONS

Jan 15–Mar 18	Wednesday	6-10pm	1MIG20B20-A
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Price \$835.00 Member Price \$763.50

TIG Welding I

ENTRY LEVEL

TIG (Tungsten Inert Gas) or GTAW (Gas Tungsten Arc Welding) is the type of welding commonly used for delicate work and non-ferrous metals. It uses an AC/DC power source, a non-consumable tungsten electrode, and inert gas to form an arc and create a weld. Using cold-rolled steel, this course starts with a series of small exercises and progresses into a challenging technical project, giving students a foundation in basic metallurgy, preparation, joints, technique, and safety.

5 SESSIONS

Jan 14–Feb 11	Tuesday	7-10pm	1TIG10B20-B
Feb 24–Mar 23	Monday	7-10pm	2TIG10B20-C
Apr 9–May 7	Thursday	7-10pm	3TIG10B20-H
May 20–Jun 17	Wednesday	7-10pm	4TIG10B20-I

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1TIG10A20-D
Feb 8 & 9	Sat & Sun	10am-6pm	1TIG10A20-E
Mar 7 & 8	Sat & Sun	10am-6pm	2TIG10A20-F
Apr 4 & 5	Sat & Sun	10am-6pm	3TIG10A20-A
Apr 25 & 26	Sat & Sun	10am-6pm	3TIG10A20-B
May 16 & 17	Sat & Sun	10am-6pm	3TIG10A20-C
Jun 27 & 28	Sat & Sun	10am-6pm	4TIG10A20-D

WEEKLONG

Jan 6–10	Mon-Fri	2-5pm	1TIG10M20-A
Aug 17–21	Mon-Fri	10am-1pm	5TIG10K20-K
Jan 6–10	Mon-Fri	2-5pm	1TIG10M20-A

Price \$435.00 Member Price \$400.00

TIG Welding II

CONTINUING

This class expands on the basic skills taught in TIG Welding I. Students will be given a series of technical exercises designed to improve their focus and control, review joint types, positions, and beads, and introduce them to new fabrication tips and techniques. Students will venture into TIG welding other types of metals, with an emphasis on aluminum and stainless steel. This class prepares you to work on your own. **PREREQUISITE:** TIG Welding I

5 SESSIONS

May 19–Jun 16	Tuesday	7-10pm	4TIG31B20-A
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WEEKEND

Mar 28 & 29	Sat & Sun	10am-6pm	2TIG31A20-A
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Price \$435.00 Member Price \$400.00

ARC Welding I

ENTRY LEVEL

Learn to join pieces of metal using arc welding or SMAW (shielded metal arc welding)—most commonly known as stick welding. Instructors teach you to slice through metal with the hot flame of an oxy-acetylene torch, and to use power and hand tools to finish your work. You'll make a small sculpture to take home.
Note: Previously called Welded Sculpture I

5 SESSIONS

Jan 16–Feb 13	Thursday	7-10pm	1ARC10B20-A
Apr 8–May 6	Wednesday	7-10pm	3ARC10B20-F

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1ARC10A20-B
Feb 8 & 9	Sat & Sun	10am-6pm	1ARC10A20-C
Apr 4 & 5	Sat & Sun	10am-6pm	3ARC10A20-A
May 16 & 17	Sat & Sun	10am-6pm	3ARC10A20-B
Jun 27 & 28	Sat & Sun	10am-6pm	4ARC10A20-C

Price \$425.00 **Member Price \$391.50**

ARC Welding II

CONTINUING

In this course, students will learn advanced joints, welding positions, and techniques in arc welding and oxy-acetylene torch cutting to take their sculptural ideas to the next level. Students will also be introduced to new fabrication tools and finishing techniques to give their sculpture a more polished and professional appearance.
PREREQUISITE: ARC Welding I (previously named Welded Sculpture I)

5 SESSIONS

Feb 26–Mar 25	Wednesday	7-10pm	2ARC31B20-A
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Price \$425.00 **Member Price \$391.50**

Burn Barrel

ENTRY LEVEL

Use your creativity to design and create a decorative outdoor fire pit, called a burn barrel, out of a steel drum. We will focus on the subtractive process, using oxy-acetylene torch cutting techniques. Please come to class with a sketchbook and project ideas.

1 SESSION

May 3	Sunday	10am-5pm	3ARC04E20-A
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Price \$245.00 **Member Price \$228.50**

Creative Cold Connections

ENTRY LEVEL

Explore creative alternatives to joining metals without welding! Students will focus on cold and mechanical connections in their many forms, adopting techniques from other fields like woodworking and jewelry. Perfect for sculptors, tinkers, furniture builders, and anyone interested in experimenting with new and creative methods of metal fabrication.

8 SESSIONS

Apr 7–May 26	Tuesday	7-10pm	3WLD20B20-A
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Price \$500.00 **Member Price \$470.00**

Wind Chimes

ENTRY LEVEL

Create your own welded wind chime! Students will weld a metal rectangular wind chime box, plasma cut their unique design on the sides, and hang steel chain, hooks, and cut metal pieces to create a unique and eye-catching wind chime. Then all you need is wind for a gorgeous visual and tonal work of art.

WEEKEND

May 30 & 31	Sat & Sun	10am-4pm	4ARC09A20-A
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Price \$420.00 **Member Price \$386.50**

Metal Furniture Fabrication

CONTINUING

Fabricate one-of-a-kind metal furniture for your home! Going beyond basic MIG welding, this course focuses on designing and fabricating functional and aesthetically interesting benches, coffee tables, flower stands, cabinets, wheeled furniture, shelves, coat racks, and just about any other piece of furniture you might like to fabricate. Projects will be evaluated for feasibility and cost, given the time frame. The Crucible has limited material available for students, and students are responsible for acquiring additional materials if their project requires it. Upon registration, The Crucible will provide a list of acceptable materials, sources, and suppliers. Be prepared to weld and cut on the first day as a review.

PREREQUISITE: MIG Welding I

10 SESSIONS

Apr 9–Jun 11	Thursday	7-10pm	3MIG31B20-A
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Price \$675.00 **Member Price \$619.00**

MIG and TIG Welding Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials.

PREREQUISITE: MIG Welding or TIG Welding I and Crucible membership

4 SESSIONS

Feb 27–Mar 19	Thursday	6:30-9:30pm	2WLD77B20-A
Apr 13–May 4	Monday	6:30-9:30pm	3WLD77B20-A

Price \$135.00 **Member Price \$125.00**

YOUTH CLASSES JAN–AUG 2020

Youth ARC Welding (ages 12-18)

ENTRY LEVEL

Learn to fuse, cut, bend, and shape metal. This intensive introduction to stick welding, also known as arc welding, and oxy-acetylene torch cutting is taught by a technical pro. In-depth demonstrations and guidance will be given on the safe and effective operation of welding equipment as instructors help you create a small welded sculpture or project.

Note: Previously called Youth Welded Sculpture

WEEKLONG

Mar 30–Apr 3	Mon-Fri	1-4pm	3YARC10M20-YA
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WEEKEND

Apr 25 & 26	Sat & Sun	10am-5pm	3YARC10A20-YB
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SUMMER CAMP

Jun 15–19	Mon-Fri	9am-12pm	5YARC10K20-YA
Jul 6–10	Mon-Fri	9am-12pm	5YARC10K20-YC
Jul 13–17	Mon-Fri	9am-12pm	5YARC10K20-YE
Jul 20–24	Mon-Fri	9am-12pm	5YARC10K20-YG
Jul 27–31	Mon-Fri	9am-12pm	5YARC10K20-YI

Jun 15–19	Mon-Fri	1-4pm	5YARC10M20-YB
Jul 6–10	Mon-Fri	1-4pm	5YARC10M20-YD
Jul 13–17	Mon-Fri	1-4pm	5YARC10M20-YF
Jul 20–24	Mon-Fri	1-4pm	5YARC10M20-YH
Jul 27–31	Mon-Fri	1-4pm	5YARC10M20-YJ

Price \$450.00 **Member Price \$415.00**

Youth TIG Welding (ages 14-18)

ENTRY LEVEL

TIG (tungsten inert gas) welding is a highly precise method of welding that makes clean and focused welds on everything from super-thin to very thick materials. You will learn the basics of TIG welding by working with mild steel. You will create sculptures that allow you to put your creativity and welding skills to use!

SUMMER CAMP

Jun 22–26	Mon-Fri	9am-12pm	5YTIG10K20-YB
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Jun 15–19	Mon-Fri	1-4pm	5YTIG10M20-YA
Jul 6–10	Mon-Fri	1-4pm	5YTIG10M20-YC
Jul 13–17	Mon-Fri	1-4pm	5YTIG10M20-YD
Jul 20–24	Mon-Fri	1-4pm	5YTIG10M20-YE
Jul 27–31	Mon-Fri	1-4pm	5YTIG10M20-YF

Price \$435.00 **Member Price \$400.50**

Youth MIG Welding (ages 12-18)

ENTRY LEVEL

MIG (metal inert gas) is the most common type of modern welding. It is a process by which a welding machine focuses electricity along a moving metal wire that is fed through a hose to a handheld torch. Student welders manipulate this torch as the electricity melts the wire and creates a weld. You will learn about the fundamentals of MIG welding, such as metallurgy, preparation, joints, technique, and safety. We will also cover plasma torch cutting. The class begins with a basic, technical welding exercise and transitions into a small creative project.

WEEKEND

Feb 15 & 16	Sat & Sun	10am-5pm	1YMIG10A20-YA
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SPRING BREAK

Mar 30–Apr 3	Mon-Fri	9am-12pm	3YMIG10K10-YA
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SUMMER CAMP

Jun 15–19	Mon-Fri	9am-12pm	5YMIG10K20-YA
Jul 6–10	Mon-Fri	9am-12pm	5YMIG10K20-YC
Jul 20–24	Mon-Fri	9am-12pm	5YMIG10K20-YE

Jun 15–19	Mon-Fri	1-4pm	5YMIG10M20-YB
Jul 6–10	Mon-Fri	1-4pm	5YMIG10M20-YD
Jul 20–24	Mon-Fri	1-4pm	5YMIG10M20-YF

Price \$435.00 **Member Price \$400.50**

Youth Welded Sculpture Immersion Program (ages 12-18)

ENTRY LEVEL

Dive deep in this beginning and continuing level youth workshop. Students take an immersive step into summer camp study, becoming young artisans along the way. Learn to fuse, cut, bend, and shape metal in this intensive introduction to stick welding, also known as arc welding, and oxy-acetylene torch cutting. Guidance will be given on the safe and effective operation of welding equipment. You will also be exposed to theory, principles, and extensive techniques that let you design and create your own independent projects. No experience necessary.

SUMMER CAMP

Jun 22–26	Mon-Fri	9am-4pm	5YARC85P20-YA
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Price \$850.00 **Member Price \$790.00**



WOODWORKING

UPCOMING CLASSES **JAN-JUN 2020** ▶ TheCrucible.org/shop



Wooden Bench

Wooden Bench

ENTRY LEVEL

Learn basic concepts and techniques of woodworking, including how to use power tools and traditional and modern hand tools to create a simple wooden bench. Explore how to create strong joints for connecting wood and the proper way to glue boards together to make a wooden bench.

WEEKEND

Feb 1 & 2	Sat & Sun	10am-5pm	1WOD06A20-A
May 30 & 31	Sat & Sun	10am-5pm	4WOD06A20-A

Price \$395.00 Member Price \$365.50

Fundamentals of Woodworking

ENTRY LEVEL

Begin your woodworking experience in this introduction to tools and techniques. We will cover the basics of wood technology, what hand tools and power tools to use, how to use them, and how to care for them, as well as an intro to finishing, and a discussion of joinery vs. structure. Bring a notebook and comfortable shoes, as this will be a fast-paced, hands-on overview.

WEEKEND

Jan 11 & 12	Sat & Sun	10am-6pm	1WOD09A20-A
Feb 8 & 9	Sat & Sun	10am-6pm	1WOD09A20-B
Mar 7 & 8	Sat & Sun	10am-6pm	2WOD09A20-C
Apr 4 & 5	Sat & Sun	10am-6pm	3WOD09A20-A
May 2 & 3	Sat & Sun	10am-6pm	3WOD09A20-B
May 23 & 24	Sat & Sun	10am-6pm	4WOD09A20-C
Jun 13 & 14	Sat & Sun	10am-6pm	4WOD09A20-D

Price \$425.00 Member Price \$387.50

Hand-Cut Dovetails

ENTRY LEVEL

Cutting dovetail joints by hand is a milestone in the path of a fine woodworker. Students learn how to use chisels and saws to cut dovetails precisely, getting feedback on how to improve their work with hand tools. This class is appropriate for beginners and those with some woodworking experience who wish to further their hand tool skills.

WEEKEND

Feb 22 & 23	Sat & Sun	10am-5pm	2WOD08A20-A
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2 SESSIONS

Apr 6 & May 4	Monday	6:30-9:30pm	3WOD08A20-A
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Price \$475.00 Member Price \$440.00

Marquetry

ENTRY LEVEL

Learn the basics of handling veneer and the decorative technique of marquetry, where you use small, variously colored veneer to create an image. You will make at least two coaster-sized projects, one of which will have the traditional leaf design. You will learn both classic methods that can be done at home, as well as more modern techniques that utilize woodworking machines and laser cutters.

WEEKEND

Feb 29 & Mar 1	Sat & Sun	10am-6pm	2WOD19A20-A
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Price \$415.00 Member Price \$385.50

Pen In One Day

ENTRY LEVEL

Students will make two pens at the lathe, one of solid wood and one of your own design built up from several pieces of wood. Since turning pens is a quick process, we will have time to teach you how to choose woods, how to prepare and mount wood on the lathe, and several of the more popular finishes. We will cover safe operation of a lathe, demonstrate how to use common woodworking tools, practice tool sharpening techniques, and discuss options for what kind of lathe you might want in the future, from a small pen lathe to more robust machines that can handle much bigger projects. Bring clothes that can get dirty.

1 SESSION

Mar 14	Saturday	10am-5pm	2WOD18H20-A
Jun 20	Saturday	10am-5pm	4WOD18H20-A

Price \$265.00 Member Price \$244.50

Spoon Carving By Hand

ENTRY LEVEL

Learn basic principles of working with wood while making your own carved wooden spoon. Topics covered include different types of wood, grain direction, carving, shaping, and food safe finishes. Through short demonstrations and lectures, we will use a combination of power and hand tools, exploring the material for its functionality as a creative medium. At the end of the workshop, students leave with a unique spoon, ready to use!

WEEKEND

Mar 28 & 29	Sat & Sun	10am-4pm	2WOD16A20-A
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Price \$325.00 Member Price \$296.50

Wood + Metal

ENTRY LEVEL

Learn the fundamental properties of wood and metal, two titans of arts materials. Students create a custom piece of furniture that incorporating a wooden top with a metal base, highlighting the ways each one complements the other. Choose from a selection of customizable projects, including a small table, chair, or bookcase.

RECOMMENDED PREREQUISITE:

Woodworking I or previous woodworking experience.

10 SESSIONS

Jan 15-Mar 18	Wednesday	6-10pm	1MIG20B20-A
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Price \$835.00 Member Price \$763.50

Wooden Toy

ENTRY LEVEL

Build a unique, customizable wooden toy! Learn to safely use woodworking tools and machines, then complete your project with colorful, foodsafe finishes. Class projects include wooden pull toys, simple dollhouses, or animal rattles. You will leave with a beautiful heirloom toy to last for generations.

1 SESSION

May 9	Saturday	10am-6pm	3WOD07H20-A
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Price \$280.00 Member Price \$259.50

Build A Skateboard

ENTRY LEVEL

Build your very own custom skateboard from seven layers of hard maple veneer. Learn to shape a foam mold, the woodworking techniques, and the concepts of vacuum press veneering for bending wood. You will practice using basic woodworking power tools, including the band saw and power sanders, as well as hand tools, such as files, rasps, and planes. Apply a basic wood finish and set up your skateboard deck to ride.

WEEKEND

Jan 24 & 25	Friday Saturday	7-10pm 10am - 6pm	1WOD27A20-A
Price \$425.00 Member Price \$407.50			

The Bandsaw Box

ENTRY LEVEL

You don't need a fully equipped shop to enjoy woodworking! In this class, you will learn to design, make, and finish a unique wood box. With an emphasis on tool safety and material exploration, we will use a combination of power tools and hand tools to make boxes of all shapes and sizes. Beginning with a solid block of wood, you will learn how to lie out, cut, sculpt, and reassemble the block into the form of a box. Demonstrated techniques will include hidden hinges, small drawers, pull knobs, and fitted lids, as well as texturing, carving, burning, painting, and finishing. Suitable for beginning and intermediate students, all materials provided.

WEEKEND

Apr 10- 12	Friday Sat & Sun	7-10pm 10am-4pm	3WOD17A20-A
Price \$400.00 Member Price \$365.50			

Woodturning I

ENTRY LEVEL

Use a lathe to turn a rough piece of wood into a beautifully shaped spindle-turned mallet and face-plate mounted bowl. You will learn the basics of the turning process and cover tool usage, sharpening, wood selection, preparation, and finishing.

WEEKEND

Jan 18 & 19	Sat & Sun	10am-6pm	1WOD15A20-A
Feb 15 & 16	Sat & Sun	10am-6pm	1WOD15A20-B
Apr 25 & 26	Sat & Sun	10am-6pm	3WOD15A20-A
May 16 & 17	Sat & Sun	10am-6pm	3WOD15A20-B
Price \$505.00 Member Price \$464.50			

Women's Woodturning I

ENTRY LEVEL

Learn woodturning taught by women, for women! Use a lathe to turn a rough piece of wood into a beautifully shaped spindle or bowl. In this jam-packed course, you will learn the basics of the turning process. The class will cover tool usage and sharpening, as well as wood selection, preparation, and finishing.

WEEKEND

Jun 27 & 28	Sat & Sun	10am-6pm	4WOD22A20-A
Price \$505.00 Member Price \$464.50			

Woodturning II

CONTINUING

Explore more advanced projects such as goblets, close-fitting lidded boxes, and special projects while honing your turning skills. This class gives students more time on the machines with the guidance of the instructor to create woodturned sculptures, explore more technical aspects of end-grain turning and mounting pieces, plus fit and finish. *PREREQUISITE: Woodturning I*

WEEKEND

Feb 29 & Mar 1	Sat & Sun	10am-6pm	2WOD33A20-A
Jun 6 & 7	Sat & Sun	10am-6pm	4WOD33A20-A
Price \$505.00 Member Price \$464.50			

Woodworking I

ENTRY LEVEL

Learn how to use power tools, as well as traditional and modern hand tools, safely and effectively. Class assignments introduce basic concepts and techniques, to give you the skills needed for many woodworking projects, such as mill board flattening and straightening, creating strong joints for connecting wood, and gluing boards together to make a panel. Students leave with a strong foundation for more advanced wood classes and a small end table. All tools for learning are provided.

10 SESSIONS

Jan 14-Mar 17	Tuesday	6-10pm	1WOD10B20-B
Jan 16-Mar 19	Thursday	6-10pm	1WOD10B20-C
Apr 7-Jun 9	Tuesday	6-10pm	3WOD10B20-A
Apr 9-Jun 11	Thursday	6-10pm	3WOD10B20-B

8 SESSIONS

Jan 24-Mar 13	Friday	1-6pm	1WOD10D20-D
Apr 24-Jun 12	Friday	1-6pm	3WOD10D20-C

WEEKLONG

Jan 6-10	Mon-Fri	10am-5pm	1WOD10P20-A
Aug 10-14	Mon-Fri	10am-5pm	5WOD10P20-E
Aug 17-21	Mon-Fri	10am-5pm	5WOD10P20-F

Price \$850.00 Member Price \$777.50

Woodworking II

CONTINUING

Build on the skills you developed in Woodworking I through the construction of a small nightstand. Woodworking II introduces the basics of cabinet design and construction, working with plywood, miter and dado joints, frame and panel doors, drawers, hardware installation, re-sawing on the bandsaw, and more. Students will finish the class with a good understanding of casework and a cabinet customized to their needs. *NOTE: Students are responsible for their own materials in this class. PREREQUISITE: Woodworking I*

10 SESSIONS

Apr 8-Jun 10	Wednesday	6-10pm	3WOD31B20-A
Price \$850.00 Member Price \$777.50			

Woodworking Lab

CONTINUING

Lab sessions are a great benefit, exclusively for Crucible members! Practice the skills you learn in class and explore new possibilities with your craft. No instruction is provided during lab sessions, but a lab monitor will be present to answer questions, manage safety, and provide overall support. You are free to come and go at your convenience during open lab hours, however you must provide your own materials. *PREREQUISITE: Woodworking I and Crucible membership*

1 SESSION

Mar 24	Tuesday	3-10pm	2WOD77B20-A
Mar 26	Thursday	3-10pm	2WOD77B20-B
Jun 21	Sunday	10am-5pm	4WOD77H20-A

Price \$100.00 Member Price \$92.50

YOUTH CLASSES JAN-JUL 2020

Youth Woodcarving and Sculpting (ages 8-11)

ENTRY LEVEL

Learn the history, cultural significance, and process of woodcarving and sculpting, including design and carving approaches. Through hands-on demonstration and approach, students get expert guidance through every step of the carving process, from brainstorming to adding fine detail. You will create a unique 3-D project of your own.

SPRING BREAK

Mar 30-Apr 3	Mon-Fri	9am-12pm	3YWOD10K20-YA
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SUMMER CAMP

Jun 15-19	Mon-Fri	1-4pm	5YWOD10M20-YA
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Jul 6-10	Mon-Fri	9am-12pm	5YWOD10K20-YB
Jul 20-24	Mon-Fri	9am-12pm	5YWOD10K20-YC
Jul 27-31	Mon-Fri	9am-12pm	5YWOD10K20-YD

Price \$305.00 Member Price \$279.50

Youth Woodturning (ages 12-18)

ENTRY LEVEL

Using a lathe, you can turn a rough piece of wood into a beautifully shaped spindle or bowl. In this jam-packed class, you will learn the basics of the turning process as you explore small bowl turning and spindle turning. The class will cover tool usage and sharpening, as well as wood selection, preparation, and finishing.

SUMMER CAMP

Jul 13-17	Mon-Fri	9am-12pm	5YWOD31K20-YA
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Price \$450.00 Member Price \$411.50

Youth Woodworking (ages 14-18)

ENTRY LEVEL

Learn to use hand and power tools to shape wood into objects that will last for decades. You will learn about the properties of lumber, safe tool use, measurement and layout, and fundamental woodworking joints. You will leave with an end-grain cutting board, a mitered corner box, and the skills to build an unlimited range of wooden objects.

SUMMER CAMP

Jun 15-19	Mon-Fri	9am-12pm	5YWOD15K20-YA
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Jun 22-26	Mon-Fri	1-4pm	5YWOD15M20-YB
Jul 6-10	Mon-Fri	1-4pm	5YWOD15M20-YC
Jul 20-24	Mon-Fri	1-4pm	5YWOD15M20-YD

Price \$445.00 Member Price \$408.00