

Designating a space

- garage, basement, or spare bedroom

Designing that space

- size doesn't matter, inspiration does
- good ventilation (window or fume extractor)
- flooring: hard surface tile, wood or industrial
- bench surface: solid and sturdy
- water supply
- storage: think practical reach, children or pets
- safety: strap your tank, fire extinguisher, goggles and mask

Tools

- the basics: pliers, files, hammers, saw, bench block...
- bench pin: its personal
- flexi shaft and all its fiddly bits. Where do I start?
- torch: strap in place, light with striker only, set psi to 5*
- torch assembly: always test the joins with soapy water

Silversmithing stuff

- solder and silver (dead soft, etc)
- flux (boric acid)
- pickle (sodium bisulfate) neutralize with baking soda

Q&A

* Acetylene main valve should only be opened 1/4 turn, and the regulator set at 5 to 7 psi (pounds per square inch). (If acetylene is turned up too high, it can become unstable.)

On a two gauge regulator there is a Cylinder Pressure Gauge (tank is full or empty) and a Working Pressure Gauge pressure in the hose.



Tool Lists:

Item numbers are from RioGrand.com unless otherwise specified

The Basics: Working Cold

110010	Bench Pin & Clamp	\$8.95
112199	Dapping Block & Punch	\$14.00
115316	Steel Bench Block 4x4x3/4	\$34.00
114301	Grobet Hand File Flat #2	\$19.75
112225	Chasing Hammer	\$14.95
110130	Sawframe	\$10.50
112214	Sawblade Sampler 2/0,1,2	\$18.95
111909	Pliers, Set Chain,flat,round,cutter	\$29.00
112215	Rawhide Mallet	\$19.95
from amazon:		
0232	Fiskars Multi-snip shears	\$8.81
total basic:		\$178.86 (+tax&shipping)

The Next Step: Going Hot

Torches, Acetylene and Air:		
500109NW	Smith Torch w/tank(empty)	\$339.00
or		
50015	Smith Torch w/out tank	\$205.00
other torches:		
amazon or		
Robert's Oxygen	Goss Acet-o-lite #3 tip	\$107.00-\$125.00
amazon	Uni-Weld	\$95.00
Just the B Tank (full)	Robert's Oxygen	\$125.00
Tank refills		approx \$26.00
Flexishaft:		
117095	Prodigy Flexi system	\$99.00
or		
117534	Freedom SR w/accessories	\$215.00 (not quick release)

Polishing/Finishing:

202209	Dura-Bull rotary tumbler kit	\$145.00
and/or		
33613	Dura-Bull motor w/cabinet single station	\$298.00
or		
Northerntool.com	Benchtop Buffer	\$99.00
331123	Zam polishing compound	\$6.20
The Little Stuff:		
502053	Solderite (soldering pad)	\$12.30
Sears	Slow cooker	\$35.00
501017	Copper Tongs	\$7.75
5010233	Pickle	\$11.25
or		
501020	Pickle Kit	
(mini crock pot, pickle & copper tongs)		\$49.00
115018	Tweezers	\$2.95
504006	My-T-Flux (pint)	\$9.25
502066	Third hand w/base	\$11.55
349419	#60 High Speed Twist Drill (pkg5)	\$6.45
(Drill bits # 51, 58, 60 or assortment)		
Smoke/fume absorber	#500104	\$59.95
Craft brushes (cheap ones from Micheals)		\$5

Dreaming big...

Nicey-Niceys:

Contenti	Jeweler's Workbench from Rolling Mill	\$285.00
		\$250.00-
		\$3000
112509	Disc Cutter	\$265.00
Needle files		
Other hammers, mandrels, mandrels, mandrels		
pliers, pliers, pliers, and on, and on...		

Instructor: Blair Anderson

There are many great suppliers out there and this is not an exhaustive list. Take advantage of the Google machine for exploring further. My favorite for tools and supplies is Riogrande.com. Gemstones are best viewed up close attend a gem show but if you need something in a pinch, Fire Mountain and Riogrande are both good.

Materials List:

Gas:

Roberts Oxygen Company, Inc.
15830 Redland Road Rockville, MD 20855 Main: 301-948-8100 Fax: 301-948-2465 www.robertsoxygen.com

Metals:

Academy Metals

250oz. minimum order, 6905 Washington NE, Albuquerque, NM 87109, 505/345-1805, APM@academycorp.com

G&S Metals

No minimum order, PO Box 7985, Ann Arbor, MI 48107, 800/852-3860, gs@gsgold.com, www.gsgold.com

Hauser & Miller

10950 Lin-Valle Dr., St. Louis, MO 63123, 800/462-7447, 314/487-1311, support@hauserandmiller.com

Hoover & Strong

10700 Trade Rd., Richmond, VA 23236, 800/759-9997, 804/794-3700, Fax: 800/616-9997, info@hooverandstrong.com

Rio Grande

7500 Blue Water Rd., NE, Albuquerque, NM 87121, 800/545-6566, 505/839-3000, info@riogrande.com

Stern-Leach

A Cookson Company, 49 Pearl St., Attleboro, MA 02703, 508/226-2701 Fax: 508/336-4440 (RI), Fax: 508/699-4030 (outside RI) Ask for Dennis O'Neil, VP Sales Administration. Discounts for pool accounts, minimum order 1 piece of any size listed. For turn-around, please call. All orders must be 50+ ounces. Largest stock sheet available: 19 5/8" x 39 3/8", maximum size available: 22" wide.

Swest, Inc

11090 N. Stemmons Fwy., Dallas, TX 75229, 800/527-5057, Fax: 800/441-5162



T.B. Hagstoz

709 Sansom St., Philadelphia, PA 19106, 800/922-1006, 215/922-1627, Fax: 215/922-7126, info@hagstoz.com
TSI, Inc. 101 Nickerson St., Seattle, WA 98109, Mail order: 206/282-3040, Store: 206/282-3046

Tools:

Rio Grande

7500 Blue Water Rd., NE, Albuquerque, NM 87121, 800/545-6566, 505/839-3000, info@riogrande.com www.riogrand.com

Otto Frei

Customer Service: 800-772-3456 Monday-Friday, 8:30am-5:00pm pacific time Press 1 for the Tools and Findings Departments Fax: 800-900-3734 or 510-834-6217 Business line: 510-832-0355 info@ottofrei.com www.ottofrei.com

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515 Narragansett Park Drive Pawtucket, RI 02861
Phone: 401-305-3000 FAX: 800-651-1887 401-305-3005 www.contenti.com

Stones & Findings:

Fire Mountain Gems

One Fire Mountain Way, Grants Pass, OR USA 97526-2373 Customer Order line, toll-free, 1-800-355-2137 (24 hours a day, 7 days a week) Customer Service, toll-free, 1-800-423-2319 www.firemountaingems.com

Rio Grande

7500 Blue Water Rd., NE, Albuquerque, NM 87121, 800/545-6566, 505/839-3000, info@riogrande.com www.riogrand.com

1. What is your first choice for a designated space?
2. Second choice?
3. What structural modifications have to be made to the space? New flooring? Plumbing?
4. Decor style? Yes it matters. Industrial? Shabby Chic? Feng Shui? Steam Punk? What colors?
5. What will be the source of ventilation?
6. Do you have pets?
7. What kind of "bench" do you want?
8. Sitting or standing? Do you have back issues?
9. What kind of lighting?
10. Are you starting with just a few tools or are going all the way?
11. What is your dream tool?
12. What is your budget?
13. Are you going to show/sell your work?