

MISSA 2012

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Shoebox Studio, Too! – Intermediate Techniques Tools & Supplies List

* items available through Princess Auto (www.princessauto.com)

** items available through Habsons Jewellers Supplies (www.habsons.com)

*** items available through KMS Tools & Equipment (www.kmstools.com)

Required Tools:

- TORCH (BernzOmatic is a common brand) A torch with a hose extension is the best, but costs more (~\$80). Get one with valves at both bottle and torch head. Next best would be Princess Auto's "Precision Burner Torch" or KMS's "BernzOmatic Quickfire" both of which attach directly to the gas bottle, are self-igniting with adjustable flame control, and operate at any angle. "Operates at any angle" is VERY important, as many simple plumber's torches that attach directly to the bottle must be held with the tank upright at all times, and you don't want that kind. A MAPP gas torch burns propylene gas and is also compatible with propane gas. Propane torches can NOT be used with MAPP gas! * · ***

- 1 lb disposable tank of propane (blue tank) or MAPP gas (yellow tank – ONLY if your torch is rated for MAPP gas) (MAPP is about 2x cost of propane & burns hotter)

- Striker/lighter w flints (if torch not self-igniting) (NOT butane lighter!)**

- Hand drill (classic "egg beater" type is fine, Fiskars brand is inexpensive)
OR a Dremel type tool, or electric drill - MUST be variable speed

- Chain-nose pliers (box joints, smooth inside jaws)**

- Flat-nose pliers (box joints, smooth inside jaws)**

- Round-nose pliers (box joints, smooth jaws)**

- Side-cutters**

- Saw frame (if you are a beginner, get smallest throat depth = 2.5") **

- Saw blades (1 doz. each of sizes 4/0, 2/0 & 4)**

- Riveting hammer** (head ~2" w 1 flat face + 1 cross peen face)

OR goldsmiths hammer, or small tack hammer

- Ball peen or autobody hammer (head ~ 3" w 1 flat face + 1 domed face)*

- 2-3 Tweezers* (Princess Auto - 4 pc. stainless set is a good buy)

- Titanium solder pick** **OR** scrap wood dowel (1/2" diam.) + section wire coat hanger

- Bench pin V-Slot Board w clamp**

OR bench pin & anvil combo**

OR Scrap of hard wood: about 3"x1"x 6" + C-Clamp (at least 3.5")

- scriber *

- Table vise (clamps to table)*

- Metal ruler (6"-12")*

- Needle files (5-6 piece set – straight, not bent riffler files)*

(get the best you can afford! Swiss are excellent. #2 cut is appropriate)

- Shears for cutting solder & thin sheet** OR tin snips, kitchen shears, etc.

- Brass hand scratch brush ** (with VERY fine .003" soft wires, for polishing)

- Burnisher, straight or curved**
- Bench block, small (if don't have bench pin & anvil combo)**
OR ~ 3"x3"x1" (or larger) smooth, flat scrap steel
- Lazy susan bearings (zinc – 4-6") (*Lee Valley Hardware*) OR small old used lazy susan

General materials:

- Lg. shoebox, toolbox, bookbag, backpack, or other creative portable studio container ☺!
- C-Clamp (at least 2.5", larger is okay, too!)
- Beeswax lump or candle end (lubricant)
- Rubber gloves
- Clear safety glasses
- 1 Old toothbrush
- Cotton or denim apron (NOT synthetic fabric, rubber, or plastic!)
- 1-2 old small hand/dish towels
- 2-3 plastic containers (yogurt, cottage cheese, etc.)
- pint sized plastic bottle with plastic screw-on top
- Pencil
- Fine point "Sharpie" marker
- Scotch Magic Tape
- Scissors
- Notebook or sketchbook
- Reading glasses, if you need a little help to see clearly 8" from your nose ☺.
- Clamp-on task light or desk lamp
- 2-3 Polishing sticks + compounds (you made these in Shoebox Studio: Jewellery Basics)
- Sanding Sticks (grits 180, 240, 320, 400, 600, 1500) (also Shoebox Studio: Jewellery Basics)

Soldering materials:

- Fire brick, solderite board, charcoal block, etc. for soldering on.
- Small CHEAP paintbrush with natural bristles (about #4 size) (for flux brush)
- Paste flux (Ottoflux, Superior No. 6, Dandix or similar)
- 3 sm. containers for solder chips
- solder (hard, medium, easy)

Please wear cotton clothing and closed toed leather shoes as we work with red hot metal.

Supplies available from:

Princess Auto

Check web site for location nearest you:

www.princessauto.com

KMS Tools & Equipment

Check web site for location nearest you:

www.kmstools.com

Habsons Jewellers Supplies

#500-736 Granville Street

Vancouver, B.C. V6Z 1G3

(604) 708-9700

(604) 685-9910

(888) 422-7661

Mon.-Fri. 8:30-4:30

www.habsons.com

10% discount for students spending \$100+

Mountain Gems

4611 Hastings Street

Burnaby, B.C. V5C 2K6

(604) 298-5883

Toll free USA/Can (888) 593-1888

Tues.-Sun. 10-6

www.mountaingems.com

10% discount on tools for current students (take proof of registration)

The Rockhound Shop

777 Cloverdale Ave

Victoria, B.C. V8X 2S6

(250) 475-2080

Tues-Sat 9:30-5:30

www.rockhoundshop.com