

Makerspace-in-a-Box: First Tool Purchases

general workspace & safety

- 2 containers, 24-divider storage container
- 2 containers, 24-container storage box (plastic)
- 3 containers, shoe-box size
- 1 dust pan and broom
- 2 power strips
- 1 extension cord, 25-ft 10 gauge tripe tap extension cord
- 1 first aid kit
- 5 safety glasses
- 5 gloves
- 1 fire extinguisher
- 5 respirators/dust masks
- 5 aprons
- 1 camera (Canon PowerShot A2300)

cutting

- 1 tin snips, 12" power tin snips
- 2 box knives, utility knife
- 2 hobby knives X-acto or similar
- 2 scissors, multi-purpose scissors
- 1 drill bits, 29-piece high speed steel drill bit set
- 1 hacksaw, 12" hacksaw
- 1 wood-saw, 10" flush cut pull saw
- 1 cutting mat
- 1 hand-crank (rotary) craft drill, fiskars manual rotary craft drill

measuring

- 1 ruler or yardstick, 40" aluminum ruler
- 1 caliper, 6" dial caliper
- 2 angle square, aluminum rafter angle square
- 1 compass
- 3 tape measure, 33-foot x 1" quikfind tape measure

fixturing

- 1 vise, 2.5" table swivel vise
- 4 C-clamps 4"

- 3 bar clamps
- 2 needle nose pliers 5.75"
- 1 adjustable wrench, 4-piece steel adjustable wrench set (6", 8", 10", 12")
- 1 locking pliers, 3-piece curve jaw locking pliers set (5", 7", 9")

joining

- 1 staple gun, three-way tacker staple gun
- 2 hot glue gun, high temperature mini glue gun
- 2 hot glue gun, professional/industrial glue gun
- 3 big sewing needles
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power tools

- 1 jigsaw (electric)
- 2 sewing machine
- 2 cordless drill
- electronics tools
- 2 soldering iron
- 2 soldering stand
- 2 soldering tips
- 2 wire cutter, 7" wire stripper with cutter
- 2 digital multimeter 11-function ac/dc digital multimeter with audible continuity
- 1 solder tip tinner
- 2 third hand
- 4 9v battery clip battery snap, 6-in
- 4 4 aa battery holder battery holder, 4-aa, wires, with cover & switch
- 1 alligator clips alligator clip test leads, 10-pack

mechanical

- 1 screwdriver set -- precision 6-piece precision screwdriver set with molded handles
- 1 screwdriver set -- big 8-piece professional screwdriver set
- 1 allen (sae and metric) 36-piece sae/metric hex key set
- 1 claw hammer 16-oz fiberglass curve claw hammer
- 1 mallet 1-lb rubber mallet with fiberglass handle
- 1 combination wrench 9-piece sae highly polished combination wrench set
- 1 socket set 64-piece 1/4", 3/8", and 1/2" socket set
- 2 driver bits 10-piece 2" color-coded driver bit set
- 1 miter box

textiles

- 1 fabric scissors
- 2 seam ripper
- 2 cloth tape measure
- 2 knitting needles
- 1 sewing machine needles (pack)
- 2 bobbins
- 1 iron
- 1 sewing needles (pack)

Makerspace-in-a-Box: First Consumables Purchases

adhesives / tape

- 2 white glue Elmer's All Multipurpose White Glue, 7 5/8 oz. (E379)
- 2 hot glue sticks (regular size) Stanley GS20DT Dual Temperature 4-Inch Glue Sticks, 24-Pack
- 2 hot glue sticks mini size)
- 2 packing tape
- 1 electrical tape
- 1 duct tape
- 1 masking tape
- 1 blue painter's tape

fasteners

- 1 pack of staple gun staples Stanley TRA704T 1,000 Units 1/4-Inch Heavy Duty Staples
- 1 pack of assorted zip ties
- 1 pack of binder clips

cutting

- 3 hacksaw blades
- 3 jigsaw blades
- 1 pack of X-acto blades
- 1 pack of utility knife/box cutter blades

electronics

- 100 LEDs
- 10 batteries coin cell 3v
- 10 batteries AA
- 5 batteries 9v
- 5 breadboards (solderless)
- 100 resistors
- 2 Arduino uno
- 5 buzzers
- 5 motors
- 5 photoresistors
- 1 jumper wires bundle
- 1 Arduino kit
- 10ft wire
- solder

textiles

- thread
- 250 straight pins
- 100 safety pins

general

- string
- cardstock, cardboard
- mailing labels
- 5 paintbrushes (1" and 3")
- trash bags
- pens, pencils, markers, chalk
- 10 acid brushes
- 250 popsicle/craft sticks
- 1 pack of sandpaper (80/200/400/600)

(From : Maker Media Makerspace Playbook, 2013 , p. 75. Retrieved from <http://makerspace.com/wp-content/uploads/2013/02/MakerspacePlaybook-Feb2013.pdf>)