

WORKSHOP SUPPLY LIST

The supply kit listed below can be purchased from Maiwa, or you can gather the materials yourself.

Remember to check out the **Equipment List** (which starts on the second page) that all students will need to gather.

PRINT & PAINT WITH NATURAL DYES SUPPLY KIT

This kit is specifically designed for this workshop.

We cannot make any substitutions in this kit.

Kits are non-refundable.

The natural dyes, mordants, additives, fabric, and miscellaneous supplies listed here can be purchased with the Print & Paint Supply Kit, or you can gather the materials yourself.

Natural Dyes, Mordants, & Additives

- 100 g gallnut extract
- 100 g myrobalan - ground
- 100 g pomegranate - ground rind
- 100 g cutch extract
- 100 g madder cordifolia - ground root
- 100 g eastern brazilwood - ground
- 30 g logwood chips
- 50 g buckthorn - ground
- 30 g cochineal bugs
- 30 g lac extract
- 15 g weld extract
- 15 g madder rich extract
- 250 ml Synthrapol soap
- 500 g soda ash
- 60 g gum tragacanth
- 60 g guar gum
- 500 g potassium aluminum sulfate (alum)
- 100 g ferrous sulfate (iron)
- 1k g calcium carbonate (chalk)
- 100 g citric acid

Fabric

- 8 organic cotton handkerchiefs
- 8 organic cotton napkins
- 6 organic cotton bandanas
- 1 m organic cotton natural fabric
- 3 m organic cotton lightweight fabric
- 1 m white linen fabric
- 1 m natural linen fabric
- 1 m silk habotai fabric

Miscellaneous Supplies

- T-pins
- Water brush
- 50 Tyvek labels
- Mini mixer (requires 2 AA batteries - not included)
- 1 dust mask
- The Dyer's Journal

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EQUIPMENT

You will put this list together yourself.

This workshop has two items – a **steamer** and a **printing table** – that can be made in several ways.

Which materials you need depends on how you decide to work.

Once enrolled there will be additional information including what you can gather for a simple and easy set-up.

- **Printing Table** (or surface).

Once enrolled further information will be available.

- Plywood, rigid high-density foam, or an actual table. Minimum 24” x 24” (60cm x 60cm).
- Carpet underlay
- Canvas or drop cloth
- Cotton or other cloth with a smooth finish.
- Tools such as a staple gun or tacks to attach the fabric.

Stretching Silk (Optional) Some people like to paint silk with it elevated above the table. If you decide to work this way there are several options. What you gather will depend on how you decide to work.

Options:

- Stretch silk between two 2x4’s. You will need two 2x4’s as long as your table is wide. You will also need clamps and pins or tacks to pin your cloth to the 2x4’s.
- Arty’s Easy Fix Stretcher Frame
- Shinshi poles (also known as Harite Shinshi Stretchers).
- Embroidery hoop (for small pieces).

- **Steamer** – this can be as simple as a bamboo steamer from a kitchen store that sits on your dyepot. The video give options if you wish to make a larger steamer to finish larger pieces.

1-2 Bamboo steamers (be sure the size you choose fits on top of your pot).

Unprinted newspaper (newsprint) 2-3 large drawing pads or a roll. This will be used to wrap your pieces for steaming and to crumple to pad the steamer.

Undyed cloth for steaming. This is an option for wrapping larger pieces for steaming. 2 meters lightweight cloth.

- **A Large Steamer (optional)**

- Large pot (may be aluminum).
- Something to create a platform in the steamer that will be above water level. Whatever it is, steam must pass easily through it.

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Mark Making Tools

- 6-8 foam brushes 1” - 2” in width.
- 6-8 paint brushes various sizes (we love to use Japanese “Surikomi” brushes).
- Blocks or block printing items (the workshop will give suggestions like adhesive felt pads, foamular with a velour adhesive).
- Different widths of masking tape.
- Stencil and stencil brush (optional).

Ingredients

- 400 g wheat bran
- 2 red beets (or beet powder)
- 2-3 litres vinegar 5% acetic acid

General Studios Supplies

- The normal studio equipment of an apron, rubber gloves and a dust mask, some old towels, and some rags.
- 1-2 stainless steel pots between 8-15 litres (remember that one of your pots should fit your bamboo steamer).
- A heat source such as a stove, a hotplate, induction stove, a butane burner etc. (Important Note: If you are using a butane burner, only use butane cans that have a CRV (Countersink Relief Valve). It will say this on the side of the canister).
- Small saucepan approximately 1 litre.
- Digital Scale - weighing accurately to 1gram.
- Measuring spoons
- Measuring cups
- Small rubber spatula
- 1 stirring spoon - stainless steel or wooden
- Tongs
- Plastic wrap (cling film)
- Mortar and pestle (optional)
- 2-3 buckets that hold 8-10 litres (The clear square buckets we use are “Cambro”).
- Nutmilk bags or paint strainer.
- Extra fabrics (or yarns) for using up extracts and exhaust baths (optional).
- Small containers for storing dyes - glass or plastic (with lids).
- Small size fine mesh strainer
- 2-4 (2 cup) 500 ml glass Mason jars or beakers.
- 1-2 (4 cup) 1000 ml glass or plastic jar.
- Rubber gloves
- Apron, towels, rags, etc.
- Drying rack
- 50 Tyvek Tags (included in the Maiwa kit) for labelling fabrics for the dyepot (this tagging system is not used at the scouring or mordant stage). Fedex envelopes are also made of tyvek - it does not break down in a hot dye bath. Cut tyvek into small pieces 1.5cm x 3cm (1/2” x 1”). Use a sharpie or other waterproof marker to write on the tyvek (test your marker first to ensure it does not bleed or rub off).

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NOTE: About pots

We have many pots from Thermalloy by Browne-Halco. Be aware that brands make different grades. You really want to invest in a high-quality stainless steel pot. Do not use aluminum pots. Some stainless steel pots will say “aluminum clad” or “aluminum core,” meaning that there is aluminum encased in steel at the base of the pot (used for efficient heat transfer). This is OK, as long as you are buying a high-quality stainless steel pot, the aluminum will not be exposed and will not affect your natural dyes. We would suggest you try to get a quality pot. With an inexpensive pot, the stainless steel layer can be quite thin. This is why sometimes a stainless steel pot can be \$35, while another the same size can be \$100. At our studio, we buy one pot, test it in all our processes, then invest in more if we like the results.

NOTE: Volume equivalents

(tablespoons and teaspoons)

Tablespoon and teaspoon equivalents of gram weights are always approximations. Measuring spoons are not precision instruments and they may be used scant, level or rounded. In addition, powders may be compacted or loose, making the same volume weigh more or less. For ease of working, we offer tablespoon and teaspoon equivalents, but keep in mind these are not as accurate as the gram measure.

