# Material Sourcing for Dyeing Activities

## Material sourcing (general)

Please note that some of these materials may no longer be available and that any links provided may no longer exist.

* **Kremer Pigments**
  + <http://shop.kremerpigments.com/en/>
  + Order online or visit the New York storefront
* **Natural Pigments**
  + <https://www.naturalpigments.com/>
  + Order online
* **Maiwa**
  + <https://maiwa.com/>
  + Order online or visit retail locations in Vancouver, Canada
* **Dick BLICK Art Materials**
  + [https://www.dickblick.com](https://www.dickblick.com/)
  + Order online or visit numerous locations in USA
* **Michaels Art and Craft Supplies**
  + [https://www.michaels.com](https://www.michaels.com/)
  + Order online or visit numerous locations in USA
* **TALAS Bookbinding, Archival & Conservation Supplies**
  + <http://www.talasonline.com/>
  + Primarily a mail order business, but storefront located in Brooklyn, NY
* **Test Fabrics**
  + <http://testfabrics.com/index.php>
  + Order online
* **Vendors for chemicals from Amazon.com**
  + Loudwolf, <https://www.loudwolf.com/>
  + Alpha Chemicals, <https://alphachemicals.com/>
* **Knitty City specialty yarn and craft store**
  + <http://www.knittycitynyc.com/>
  + Stock sometimes includes undyed raw materials (and they are happy to order specialty yarns or wool on your behalf)
  + Storefront: 208 West 79th St, New York, NY 10024
* **Local textile-making or fiber arts communities**
* **Find dyestuffs in your garden, local park, or even the grocery store**
  + Please collect responsibly - respect our natural world!

## Textiles used in the Making and Knowing Laboratory (2015–2023)

Please note that some of these materials may no longer be available and that any links provided may no longer exist.

| **Name** | **Description and Link** | **Appearance** |
| --- | --- | --- |
| **Wool #1** | [100% wool, undyed from LB Collection® Pure Wool Yarn](https://www.lionbrand.com/lb-collection-pure-wool-yarn.html) | Thick, roving/woolen (not tightly spun, fuzzy texture) yarn |
| **Wool #2** | [100% wool, undyed from Catskills Merino Sheep, New York](http://www.catskill-merino.com/sheep-and-yarn-newsletter) | Thin, worsted (tightly spun), slightly curly/crimped yarn |
| **Wool #3** | [100% baby alpaca, undyed from Island Alpaca Company, Martha’s Vineyard](http://islandalpaca.com/product_detail.php?p_id=171) | Thin, worsted (tightly spun), straight and smooth yarn |
| **A+W** | A+W = "alpaca" + "wool"  Knitty City - Cascade Yarns "Eco Highland Duo", Col. 2204, Lot. 7A8897, made in Peru, CAS-0805-2204  70% undyed baby alpaca, 30% undyed Merino wool | Thin, worsted (tightly spun), straight and smooth yarn |
| **W+N** | W+N = "wool" + "nylon"  Knitty City - MountainTop by Classic Elite Yarns "Mohawk Wool", Color 3316, Lot 831, made in USA, CE-3316-3  undyed: 60% merino wool, 30% Romney wool, 10% nylon | Thin, roving/woolen (not tightly spun, fuzzy texture) yarn |
| **Cascade Eco wool** | [Cascade yarns, ecological wool, 100% undyed peruvian highland wool (col. 8010, Lot 7C1211), purchased at Knitty City NYC](http://www.cascadeyarns.com/cascade-EcologicalWool.htm)  See also their other “Eco” yarns for undyed yarns in various weights and animal sources | Chunky, worsted (tightly spun) |
| **Fisherman’s wool** | [Lion Brand Fishermen's Wool](https://www.lionbrand.com/products/fishermens-wool-yarn), 100% undyed wool, Aran (8 wpi) | Thin, worsted (medium-ish-ly spun), straight and smooth yarn |
| **Why Knot Fibers Sole** | [Why Knot Fibers](https://whyknotfibers.com/) Sole, fingering weight undyed 100% sheep wool | Thin, fingering weight, two strands loosely spun together |
| **Cotton** | 100% cotton, undyed twine (butcher's string) | Thick, worsted yarn |
| **Cheesecloth** | 100% cotton, undyed | Loosely woven textile, mesh-like |
| **Linen** | [100% linen Utrecht Unprimed Belgian Linen Canvas Type 185](http://www.dickblick.com/items/07394-2501/) | Rectangular pieces, woven linen threads |
| **Silk taffeta** | Jaquard Silk Scarf, 100% chinese silk, hand rolled hems, ready to dye, Habotai 8mm x 15" x 60" | Rectangular pieces, woven linen threads |
| **Silk taffeta** | [Jaquard Silk Scarf Habotai](https://store.jacquardproducts.com/scarves) | Close woven, very thin and light, white strips |
| **Silk taffeta** | [See also sister company "silkconnection" with same information](https://silkconnection.com/products/silk.php) | Close woven, very thin and light, white strips |
| **Silk thread** | [Silk yarn, 100% Tussah silk, 2 ply lace weight, Undyed and Natural (Lace Weight) Ready to Dye](https://www.amazon.com/gp/product/B06XJPNH9H/ref=oh_aui_detailpage_o03_s00?ie=UTF8&psc=1) | Thread |
| **Silk thread** | Revolution Fibers mulberry silk lace yarn, 100% Pure Off-White (Undyed) Lace Weight Skein Silk 20/2, Can Be Dyed, 100 Grams - 1000 Yards per Hank, Weaving, Crafting, Crochet, Knitting ([amazon.com](https://www.amazon.com/gp/product/B08GV94FVC/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)) | Thread |
| **Fleece** | Ashford Corriedale, 100% corriedale wool, color: 091 "natural white"; undyed, probably unbleached, from Knitty City NYC | Unspun, fluffy white wool |
| **Fleece** | Ashford Corriedale, 100% corriedale wool, color: 091 "natural white"; undyed, probably unbleached, from Knitty City NYC | Unspun, fluffy white wool |
| **TestFabrics** | [Conservation-quality fabrics from Test Fabrics](http://testfabrics.com/index.php) | Various (silk taffeta, silk satin) |

## Mordants and Additives

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* Alum (aluminum potassium sulfate)
  + Kremer Pigments, <http://shop.kremerpigments.com/en/>
  + TALAS Bookbinding, Archival & Conservation Supplies, <http://www.talasonline.com/>
  + Loudwolf, <https://www.loudwolf.com/> (available through amazon.com)
* Potash (potassium sulfate)
  + Kremer Pigments, <http://shop.kremerpigments.com/en/>
  + Loudwolf, <https://www.loudwolf.com/> (available through amazon.com)
* Iron sulfate
  + Kremer Pigments, <http://shop.kremerpigments.com/en/>
  + Alpha Chemicals, <https://alphachemicals.com/> (available through amazon.com)
* Copper sulfate
  + Alpha Chemicals, <https://alphachemicals.com/> (available through amazon.com)

## Mordants and additives used in the Making and Knowing Laboratory (2015–2023)

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| **Name** | **Chemical formula** | **Source** | **Appearance** |
| --- | --- | --- | --- |
| Alum | Potassium aluminum sulfate | [Kremer #64100](http://shop.kremerpigments.com/en/solvents--chemicals-und-additives/chemicals/inorganic-substances/potash-alum-64100:.html) | Clear, colorless crystals |
| Iron | Iron sulfate (iron(ii) sulfate heptahydrate) | [Kremer #64200](http://shop.kremerpigments.com/en/solvents--chemicals-und-additives/ironii-sulphate-64200:.html) | Light green, humid salt |
| Galls | Aleppo galls (formed on Quercus infectoria) - tannic acid and gallic acid | [Aleppo galls, whole (oak apples, gallnuts) Kremer #37400](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/natural-organic-dyes-und-vegetable-color-paints/oak-apples-37400:.html) | Light brown/tan, slightly spiked round pieces (1-4cm diameter) |
| Copper | Copper sulfate pentahydrate | [Alpha Chemicals (amazon.com)](https://www.amazon.com/gp/product/B007HU4AY8/ref=oh_aui_search_detailpage?ie=UTF8&psc=1) | Blue crystals, 2mm-4mm |
| Additive: potash | Potassium carbonate | [Kremer #64040](http://shop.kremerpigments.com/en/solvents--chemicals-und-additives/chemicals/potash-64040:.html) | White, non-toxic, hygroscopic, granular powder or crystals |

## Dyestuffs

* Kremer Pigments, <http://shop.kremerpigments.com/en/>. Order online or visit in New York
* Natural Pigments, <https://www.naturalpigments.com/>. Order online
* Maiwa <https://maiwa.com/>. Order online or visit retail locations in Vancouver, Canada

## Dyestuffs used in the Making and Knowing Laboratory (2015–2023)

| **Name** | **Scientific name** | **Source** |
| --- | --- | --- |
| Madder | *Rubia tinctorum* | [Kremer #37201](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/natural-organic-dyes-und-vegetable-color-paints/madder-roots--ground-with-pieces-37201:.html) |
| Dyer's Broom | *Genista tinctoria* | [Terravita Tea](https://www.amazon.com/TerraVita-Dyers-Broom-Flower-Tea/dp/B00ANMZ1D6?ie=UTF8&*Version*=1&*entries*=0) - not recommended. This is sold as a tea and not specifically as dyestuffs, but we still experimented with it! |
| Weld | *Reseda luteola* | [Kremer #36250](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/natural-organic-dyes-und-vegetable-color-paints/4927/reseda-luteola) |
| Sappanwood (Brazilwood) | *Caesalpinia punctata*  *(Caesalpinia echinata* or *Paubrasilia echinata*) | Sappanwood (also known as “Eastern brazilwood") and brazilwood are related species. True brazilwood is not commercially available as historical overcultivation has made it an endangered species. Many retailers still sell “brazilwood,” but know that it is actually sappanwood. [Maiwa "Brazilwood"](https://maiwa.com/collections/brazilwood) |
| Cochineal | *Dactylopius coccus* | [Kremer #36040](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/cochenille-36040:.html) and [Jacquard](https://www.amazon.com/Jacquard-Products-Cochineal-Natural-1-Ounce/dp/B00GJRSDMK/ref=sr_1_4?crid=3P0LRTIKP42GZ&dib=eyJ2IjoiMSJ9.emzmDchuHv-cwyYeuLbGZGkRNxnM2D5wLPU8iZN0rCZubre_c3p5gBKUKF7kKZJuq_242D9YI-k-uxYZubimIJjnWsD43bpN761hhPodXAN6vgRPNrq-n-J_SAZe_YgAvVGYNQzJIIJ7euMJ9jmpLbWBBXp5yZPaZh0yUhlB_MqvoAp16ez_RS14mOWtpDG8UQKj_xBQ9D537kop1KCkpaXlTSLx3-dmxep9TCgLkY8zRl4dMVfI6Nz56IaAd-RujjGKBDBIFQB0M86opIbXBI1PPMQy0c0WanL6KAGnaDk.-Tj1jRsKSTSrArBOyxLAvLgewwfZz5-CdAj7BUJEdFg&dib_tag=se&keywords=cochineal&qid=1714320992&sprefix=cochineal%2Caps%2C85&sr=8-4) (amazon.com) |
| Logwood | *Haematoxylum campechianum* | [Kremer #36100](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/natural-organic-dyes-und-vegetable-color-paints/logwood--cut-pieces-36100:.html) |
| Turmeric | *Curcuma longa* | Local grocery or spice stores |
| Gall nuts | *Formed on Quercus infectoria by the female Gallwasp, Cynips Gallae-tinctoria* | [Aleppo galls, whole (oak apples, gallnuts) Kremer #37400](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/natural-organic-dyes-und-vegetable-color-paints/oak-apples-37400:.html) |
| Buckthorn berries(ripe) | *Rhamnus catharticus* | [Kremer #37380](http://shop.kremerpigments.com/en/dyes-und-vegetable-color-paints/natural-organic-dyes-und-vegetable-color-paints/ripe-buckthorn-berries-37380:.html) |
| Buckthorn berries (unripe) | *Rhamnus catharticus* | [Kremer #373901](https://shop.kremerpigments.com/us/shop/dyes-vegetable-color-paints/373901-green-buckthorn-berries.html) |