

## BOTANICAL PEN AND INK (BEGINNERS and INTERMEDIATE) – KEW GARDENS

17 – 19<sup>TH</sup> and 24 -26<sup>TH</sup> October 2022

### MATERIALS LIST

#### 1. Drawing equipment:

**Pencils:** at least 2 different hardnesses, ideally 2H and HB. In any form, either: wooden artists pencils of good quality (e.g. Staedtler, Faber Castell) OR a clutch pencil/lead holder which holds a 2mm-sized lead (e.g. Mars Technico or Staedtler).

**Sharpener:** a blade (e.g. scalpel or stanley knife); or lead pointer for a lead holder.

**Eraser:** a white plastic eraser.

**Measuring device:** a clear plastic ruler or set-square. Dividers (simple ones with two points, OR proportional dividers. The latter are very expensive so not necessary to buy, although cheap versions are available).

**Paper:** 2 - 3 x A4 sheets of good quality, heavy cartridge paper, e.g. 160 – 200gsm, with a relatively smooth surface (although not too smooth – a little tooth/texture is desirable).

\*If you have an existing sketchbook you like to work in, bring it\*

2 x A4 sheets of tracing paper

#### 2. Pen and Ink equipment

**Ink pens** – a set of different sizes of *lightfast and waterproof* fineliner pens from brands such as: Pigma Micron, Unipin, Derwent Graphic, Steadtler; minimum 3 sizes including: 005, 01, 02. These pens are often available in sets containing a good range of sizes; **OR**

A set of different sizes of “Rotring” isograph pens, sizes 0.13, 0.18, 0.25. These are expensive so you may wish to upgrade to these only if moving through Intermediate and/or Advanced classes. You will be able to see the tutor using these in the class.

**Smooth paper** - “bristol board” 250gsm, various brands, loose or in a pad. 2 x A3 sheets for Beginners, 3 x A3 Intermediate/Advanced.

**Small amounts of Bristol board will be available to purchase by sheet, in class.**

**FOR ALL QUERIES ABOUT MATERIALS, please email Lucy Smith: [l.smith@kew.org](mailto:l.smith@kew.org)**

**Useful links (for description purposes only) of materials listed above:**

**Clutch pencil, 2mm leads:**

Mars Technico (different leads can be purchased)

<https://www.staedtler.com/intl/en/products/technical-drawing-instruments/technical-pens-drawing-ink/mars-technico-780-leadholder-m780/>

Staedtler <https://www.faber-castell.co.uk/products/TK9400clutchpencilHB%c3%982mm/139400>

<https://www.faber-castell.co.uk/products/TK4600clutchpencil%c3%982mm/134600>

“lead pointer” sharpener for 2mm clutch pencil:

<https://www.staedtler.com/intl/en/products/pencils-and-accessories/sharpeners/mars-502-lead-sharpener-tub-502/>

**Wooden pencils:**

Staedtler Mars Lumograph: <https://www.staedtler.com/intl/en/products/pencils-and-accessories/graphite-pencils/mars-lumograph-100-drawing-pencil-m100/>

Faber Castell 9000: [https://www.cultpens.com/i/q/FC05496/faber-castell-9000-pencil?glCountry=gb&gclid=EAIaIQobChMIj\\_Hi7dTU8QIV4oBQBh3RbQJxEAQYBSABEgKTQvD\\_BwE&gclidsrc=aw.ds#FC05496-HB-1](https://www.cultpens.com/i/q/FC05496/faber-castell-9000-pencil?glCountry=gb&gclid=EAIaIQobChMIj_Hi7dTU8QIV4oBQBh3RbQJxEAQYBSABEgKTQvD_BwE&gclidsrc=aw.ds#FC05496-HB-1)

**Eraser:** <https://www.staedtler.com/uk/en/products/pencils-and-accessories/erasers/mars-plastic-526-50-eraser-in-premium-quality-526-50/>

**Dividers:** <https://www.pullingers.com/p/JK1152/technical-drafting-tools/jakar/jakar-dividers>

**Proportional dividers:** [https://www.londongraphics.co.uk/ecobra-proportional-divider?gclid=EAIaIQobChMI1eGw\\_OD6-AIVSJ7tCh2zNgw5EAQYAiABEgKpJfD\\_BwE](https://www.londongraphics.co.uk/ecobra-proportional-divider?gclid=EAIaIQobChMI1eGw_OD6-AIVSJ7tCh2zNgw5EAQYAiABEgKpJfD_BwE)  
<https://www.ebay.co.uk/itm/201824027360>

**Paper:** <https://www.cassart.co.uk/surfaces-category/paper-surface/product-type-paper/cass-art-heavyweight-cartridge-pad-200gsm-25-sheets.htm>

**Bristol board**

<https://www.winsornewton.com/na/paper/sketching-paper/bristol-paper/>

(other brands available. 250gsm)

**Fineliner Ink pens**

Staedtler: <https://www.staedtler.com/uk/en/products/products-for-colouring/fineliners/pigment-liner-308-fineliner-m308/>

Derwent: [https://www.derwentart.com/en-gb/p/2305559/professional-products/pens/derwent-line-maker-black-\(6\)](https://www.derwentart.com/en-gb/p/2305559/professional-products/pens/derwent-line-maker-black-(6))

Pigma Micron: <https://www.cultpens.com/i/q/SK21084/sakura-pigma-micron-drawing-pen>

Unipin: <https://uniball.co.uk/all-products/brands/pin/>

Rotring Tikki Graphic (01-0.3): <https://www.cultpens.com/i/q/RT08420/rotring-tikky-graphic-drawing-pen>

**Rotring pens**

Rapidograph (disposable ink cartridges – now discontinued)

<https://www.rotring.com/uk/technical-pens/196-rapidograph-pen-4006856155006.html>

Isograph (refillable ink)

<https://www.rotring.com/uk/technical-pens/50-isograph-pen-4006856151008.html>