

**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; and/or Dividers (simple ones with two points, OR proportional dividers. The latter are very expensive so not necessary to buy, although cheap versions are available).

**2. Sketchbook:** An A4 or A3 sketchbook with good quality, heavy cartridge paper, e.g. 160 – 200gsm, with a relatively smooth surface (although not too smooth – a little tooth/texture is desirable). Brands I have used include Daley Rowney “Ebony,” Seawhite, Fabriano. You can also use a sketchbook with watercolour paper in it, such as a Fabriano “fat pad” or Moleskin book.

\*If you have an existing sketchbook of any size or shape that you like to work in, bring it!\*

**3. Paints**

**Watercolour paints:** I use Winsor & Newton Professional Quality watercolour paints in pan form, held in a tin with built-in palettes for greater portability. If you have existing watercolour paints, bring what you normally use.

**Paintbrushes:** Round brushes with a good point: Synthetic or Sable. For sable brushes I use Winsor & Newton Series 7, in various sizes. A number 1 size is a good all-rounder for smaller work; however if you work larger then a size 2 or 3 is useful. Synthetic brushes are less expensive, and are available in most brands; I use Daley Rowney Taklon Gold.

**Coloured pencils:** Although I don't use these myself, please bring them if you would prefer to use them instead of paint.

A recommended starter primary watercolour palette is:

Cadmium Yellow,\* Cadmium Lemon,\* Cadmium Red\*, Permanent Alizarin Crimson, French Ultramarine, Winsor Blue Green Shade.

**Plus:** Payne's Grey, Winsor Violet, Permanent Rose, Permanent Sap Green

\*Please note: cadmium colours are being phased out, so “cadmium free” versions of these are now available. You can also substitute with Winsor Yellow/Winsor Lemon, Aureolin, Indian Yellow, Winsor Red

Students with existing watercolour paints can use what they already have, provided they are of good quality.

Please research similar primaries in other good quality brands (eg. Daniel Smith, Schminke) if you wish to use them.

Please choose *lightfast pigments* of good *permanence*.

**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=EAlaIqobChMij\\_Hi7dTu8QIV4oBQBh3RbQJxEAQYBSABEgKTQvD\\_BwE&gclid=aw.ds#FC05496-HB-1](https://www.cultpens.com/i/q/FC05496/faber-castell-9000-pencil?glCountry=gb&gclid=EAlaIqobChMij_Hi7dTu8QIV4oBQBh3RbQJxEAQYBSABEgKTQvD_BwE&gclid=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=EAlaIqobChMI1eGw\\_OD6-AIVSJ7tCh2zNgw5EAQYAiABEgKpJfD\\_BwE](https://www.londongraphics.co.uk/ecobra-proportional-divider?gclid=EAlaIqobChMI1eGw_OD6-AIVSJ7tCh2zNgw5EAQYAiABEgKpJfD_BwE)

<https://www.ebay.co.uk/itm/201824027360>

### Sketchbooks and Cartridge Pads

Seawhite: [Seawhite Portrait Spiral Sketchbook 140gsm 30 Sheets A3 | Cass Art](#)

Daler Rowney Ebony: <https://www.daler-rowney.com/ebony-artist-s-sketchbooks/>

Fabriano: [https://www.fabrianoboutique.co.uk/collections/fabriano-arte/venezia-book.html?\\_SID=U](https://www.fabrianoboutique.co.uk/collections/fabriano-arte/venezia-book.html?_SID=U)

Watercolour pad, spiral bound: [Fabriano Classico 5 Water Colour Fat Pad 140lbs/300gsm Hot Pressed \(pullingers.com\)](#)

### Watercolour paintbrushes

Winsor & Newton Sable Series 7: <https://www.winsornewton.com/uk/brushes/watercolour-brushes/series-7-kolinsky-sable-brushes/>

Winsor & Newton Synthetic Sable: <https://www.winsornewton.com/uk/brushes/watercolour-brushes/professional-watercolour-synthetic-sable-brushes/>

Daler Rowney [Daler Rowney Simply Gold Taklon Brush Set of 6 | Cass Art](#)