

Materials Lists for Friends of Wellesley College Botanic Gardens Classes

On the following pages you'll find the materials lists for the various art courses given by WCBG Friends.

Each materials list is on a separate page, so that you can easily print only the pages you need.

The lists are in the following order:

- Alphabetically by type of class (BAC, HOR, WCC, etc.)
- Academic year of class (14, 15, 16, etc.)
- Number of class (010, 020, 101, 104, 201, etc.)

For instance, **all BAC classes for all academic years will be listed at the top of the document by academic year and then number of the class.**

If the materials list for course you are interested in doesn't appear here:

- Check back again closer to the start date of the first class – not all instructors have provided material lists yet for this year.

BAC 15 021 – Tablet Computers as a Tool

Instructor: Elaine Searle

Elaine Searle helps you to look objectively at the role of the iPad and similar devices as tools for the botanical artist and to evaluate some of the most interesting apps available for reference and recording. Discover the difference controlled lighting can make to your plant reference photography. Elaine will also cover usage etiquette and the possible pitfalls of over-reliance on these devices. While the focus will be on iPad usage, many of the concepts are easily transferrable to other tablets which have built-in cameras. (CBA: non-credit)

Materials List

Pen and notebook

A tablet computer if you already own one

BAC 15 101A – Introduction to Botanical Art: Foundations in a Week

Instructor: Sarah Roche

Explore the world of botanical art over five days in this course designed especially for you – the beginner. **Sarah Roche** guides your experience through structured exercises, projects, and demonstrations. She exposes you to the basic techniques and methods of botanical drawing and watercolor painting. *If you have an interest in plants and a yearning to record what you see on paper, then this class is for you. All experience levels welcome.*

Materials List: NOTE – Students should come to the first class with all supplies. If you prefer not to purchase all the paints, please bring your paint palette and we will supply a splotch of watercolor.

Paper

Spiral bound watercolor pad – 11x15; Strathmore Watercolor, 400 Series (brown cover)
Spiral bound drawing pad – 9x12 or 10x14
Tracing paper
1 sheet hot pressed paper 140lb – Arches or Fabriano

Drawing equipment

Graphite pencils 2H, F, HB, B
Staedlar plastic eraser
Exacto or retractable craft knife and blades
Sandpaper block or emery boards

Brushes

Two round brushes – size 6:
Rosemary & Co. brushes, Series 33, Size 6 (available in WCBG Friends office)
Or Isabey 6227Z
At least one size 4 – same series as above

Paint

Winsor and Newton – Artist’s Quality Watercolor
(Note: Do not purchase “Student Quality”)

Lemon Yellow (Nickel Titanate)	Permanent Alizarin Crimson
Cadmium Yellow Pale	Paynes Gray
Winsor Lemon	Winsor Blue (Green Shade)
Scarlet Lake / Cadmium Red	Permanent Sap Green
Permanent Rose	Optional: Viridian

Daniel Smith “Extra Fine Watercolors”

Burnt Sienna
Raw Sienna
Ultramarine Blue

Miscellaneous

Water container	Pinholder / frog / small vase / bottle or clamp for holding specimen
Palette or white china plate	Sheet of foam core
Paper towel – Viva	Masking tape
Magnifying glass	

Websites

www.aswexpress.com
www.cheapjoes.com
www.dickblick.com

www.jerrysarterama.com
www.rosemaryandco.com
www.danielsmith.com

Stores

The Art Experience, Avon
Dick Blick, near Fenway Park, Boston
Michaels (basic paper, paints)

BAC 15 122 – Drawing Flowers and More: *Practice, practice, practice!*

Instructor: Carol Ann Morley

Gift yourself these three days to refresh and strengthen your own way of contour drawing. **Carol Ann Morley** guides you through discovery exercises that help you draw accurately and confidently. See in new ways, analyze flower and leaf shapes to recognize patterns and rhythms in botanical shapes, and conquer the perennial problem of foreshortening. For all levels. Some drawing experience required.

Materials List

2 sketch books - 9 x 12 and 11 x 14 drawing surface (not sketch or recycle), either:
CANSON drawing pad Or STRATHMORE

Graphite pencils; 2H, HB

Set of Prismacolor soft pencils, 24 or more

Set of Prismacolor hard pencils Verithins, 12 or more

Pencil sharpener, two hole (battery operated sharpener, if you have one)

Mat knife

Erasers: kneaded eraser and white plastic

Clean brush (to wipe pencil dust)

Rag (to wipe pencil)

Tracing paper pad 11 x 14

Foam core 8 x 10 (2 pieces)

Pre-cut mat 5" x 7" (outer dimension)

Masking tape

Hand lens (optional)

BAC 15 133 – Tonal Drawing Fundamentals

Instructor: Carol Ann Morley

Strengthen your plant shading skills with exercises in tonal scales, spheres, cones, and cylinders. **Carol Ann Morley** focuses this course on discerning tonal values and applying graphite pencil techniques. Working from botanical shapes such as flowers, fruits and berries, learn how to make botanical studies that have clarity, balance and visual depth. For all levels. Some drawing experience required.

Materials List

2 Sketch Books – 9 x 12 and 11 x 14 drawing surface paper (not recycled) either CANSON Drawing Pad or STRATHMORE 400 Series

Graphite pencils – 3H, 2H, HB, 2B, 4B, 6B

Erasers – Kneaded eraser and pink pearl or MARS plastic

Pencil sharpener – hand held with two holes

Container for pencil shavings

Mat knife or single edge razor blade

Tracing paper

Rag or paper towel

Hand lens

Table lamp (optional; WCBG Friends has daylight lamps in Visitor Center)

Masking tape

Foam core 8" x 10" (2 pieces)

Pre-cut mat board 5" x 7" (outer dimension)

BAC 15 141 – WCBG Florilegium: Wildflowers

Instructor: Carol Govan and Sarah Roche

Head outside with **Carol Govan** and **Sarah Roche** to observe botany in action in the College's meadows and then record the flowering plants that you see using pencil and pen sketches and dry brush watercolor.

Materials List

Plant identification book:

Lawrence Newcomb, Newcomb's Wildflower Guide, Little, Brown, 1977.

Newcomb's illustrated Wildflower Guide identifies wildflowers, flowering shrubs and vines of the Northeast. It is helpful for botanical artists because it asks you to look at the same things that you must observe before starting to draw a particular plant. It has a simple key based on the "most easily seen features that make each species unique, features the untrained eye can see." Instructor Carol Govan will show you how to use this book and key to help identify plants in the Wellesley College Arboretum meadows. You will get to know the less conspicuous flowers in addition to the larger, showier flowers and begin to identify plants of a particular region that constitute its flora. We have copies of this book for sale in the Friends of Horticulture office for \$10.50.

Suggested sketching materials for first class:

Spiral bound sketch pad, for pen and wash – 9x12 or 10x14

Watercolors – whatever you own

Watercolor palette

Water container

Black Micron pen size 0.005 (available from Michaels and AC Moore)

Tracing paper

Pencils – including one hard, 2H

White plastic eraser

Kneaded eraser

Pencil sharpener (with attached pencil shaving container)

Hand lens

Ruler or measuring tape

Personal items for sketching outside:

Groundsheet, cushion or stool (you may borrow a canvas stool from the Visitor Center)

Water bottle

Sunscreen / bug repellent / hat

BAC 15 153i – Patterns from Nature

Instructor: Elaine Searle

The Arts and Crafts movement was noted for its nature-derived patterns. **Elaine Searle** is your guide in this fun expansion of your art. On the first Saturday look at historical references and learn how to simplify a botanical form to make a pattern repeat. Work up your unique pattern in between classes. On the second Saturday learn about restricted color palettes and use gouache paint (supplied) to work up your design. Elaine will offer an email critique of your final work. (CBA: half elective)

Materials List

Saturday 1:

Specimens: A selection of small plant/fruit and vegetable specimens will be available in class. However if you have favourites which you would like to base your pattern on please bring them along.

Camera for reference shots (or tablet computer with a camera facility)

Xacto knife (or similar with retractable blade)

Ruler

Graphite pencil HB or 2H for drawing

Homemade graphite or prepared graphite tracing paper to transfer your design

A few sheets of cheap white paper

1/2 sheet of 300lb Hot Pressed Watercolor Paper for finished design

Staedlar plastic eraser

Kneadable eraser

Magnifying glass

1/2 sheet of foamcore – 15” x 20”; 3/16” thick (to use as drawing board)

Saturday 2:

Painting Supplies

Gouache will be supplied

or if you prefer to have your own purchase a Winsor & Newton Intro Set - includes

one 14 ml tube of Primary Yellow, Permanent Yellow Deep, Spectrum Red, Primary Red, Ultramarine Blue, Primary Blue, Brilliant Green, Yellow Ochre, Ivory Black, and Zinc White

Water container

China palette with a few wells

Paper towel

Magnifying glass

Small spray bottle with water for rewetting paints

Size 6 and size 1 round brushes (sable or soft synthetic but must have good points)

Masking tape

1/2 sheet of foamcore – 15” x 20”; 3/16” thick (to use as drawing board)

BAC 15 154 / BAC 15 254 – Painting with Sunshine: The Sunflower

Instructor: Elaine Searle

Van Gogh's iconic paintings of sunflowers have inspired many artists to capture their strength and vibrancy. Don't be daunted by the complexity of their spiral centers. Join this three-day workshop with **Elaine Searle** to explore the sunflower from all angles. Create a study sheet or small painting filled with sunshine. You may discover that the backs of the blooms are just as fascinating as their faces!

Materials List

Camera for reference shots (or tablet computer with a camera facility) if you have one

Ruler

Graphite pencil HB or 2H for drawing

Staedler plastic eraser

Kneadable eraser

Magnifying glass

Homemade graphite or prepared graphite tracing paper to transfer your design

A few small sheets of drawing paper

140lb Hot Pressed Watercolor Paper

1/2 sheet of foamcore – 15" x 20"; 3/16" thick (to use as drawing board)

Water container

China palette with a few wells

Paper towel

Size 6 and size 1 round brushes (sable or soft synthetic but must have good points)

Masking tape

Artists quality water-colour paints (bring what colours you have) plus the following essential colors:

Daniel Smith Quinacridone Gold (PO49)

Daniel Smith Quinacridone Deep Gold

Daniel Smith Hansa Yellow (PY3)

Note: if you cannot obtain this brand, match from another brand using the pigment numbers stated

BAC 15 154i – Depth in Detail

Instructor: Elaine Searle

The ability to create convincing 3D realism in botanical art can make or break a piece. This two-day workshop with Elaine Searle covers the basics of making adjustments to the amount of detail, strength of shadows, clarity of colors, and more to enhance the perception of depth in a botanical painting. We will work on a small painting in class that you can complete at home to reinforce your learning. Elaine will offer an email critique of your final painting. (CBA: half elective)

Materials List

Camera for reference shots (or tablet computer with a camera facility) if you have one

Ruler

Graphite pencil HB or 2H for drawing

Staedler plastic eraser

Kneadable eraser

Magnifying glass

Homemade graphite or prepared graphite tracing paper to transfer your design

A few small sheets of drawing paper

140lb Hot Pressed Watercolor Paper

1/2 sheet of foamcore – 15” x 20”; 3/16” thick (to use as drawing board)

Artists quality watercolour paints (bring what colours you have) plus the following essential colors:

Daniel Smith Perylene Maroon (PV179)

Daniel Smith Quinacridone Pink (PV42)

Note: if you cannot obtain this brand match from another brand using the pigment numbers stated

BAC 15 201, 202 -- Techniques of Botanical Drawing and Painting

Instructor: Sarah Roche

As you learn more about botanical art, expand your watercolor painting skills to more realistically capture the details of nature and the accurate representation of botanical form. Using **Sarah Roche's** focused four-step approach as a guide, you will hone your botanical drawing technique. Demonstrations, individual instruction, and close scrutiny of plant structure are key components in this class. **Students enrolling in Techniques should have successfully completed at least two Foundations courses and have the permission of the instructor.**

Materials List:

Paper

Spiral bound watercolor pad – 9x12 or larger (Strathmore Watercolor 400 series)
Spiral bound drawing pad – 9x12 or 10x14
Tracing paper
Lined notebook
Posh paper to your preference: either Fabriano HP 300lb or equivalent
1/2 sheet of foamcore – 15” x 20”; 3/16” thick

Drawing equipment

Graphite pencils 2H, F, HB, B
Staedlar plastic eraser
Exacto or retractable craft knife and blades
Sandpaper block or emery boards

Brushes:

Two round brushes – size 6:
 Rosemary & Co. brushes, Series 33, Size 6 (available in WCBG Friends office)
or Isabey Series 6227Z Round Brushes
At least one size 4 – same series as above

Paint: Winsor and Newton – Artist's Quality Watercolor (Note: Do not purchase "Student Quality")

Lemon Yellow (Nickel Titanate)	Permanent Rose	Permanent Sap Green
Cadmium Yellow Pale	Permanent Alizarin Crimson	Davy's Gray
Winsor Lemon	Paynes Gray	Viridian
Scarlet Lake / Cadmium Red	Winsor Blue (Green Shade)	

Daniel Smith "Extra Fine Watercolors"

Burnt Sienna
Raw Sienna
Ultramarine Blue

Water container
Palette or white china plate
Paper towel – Viva
Magnifying glass
Pinholder / frog / small vase / bottle or clamp for holding specimen
Masking tape

Websites

www.aswexpress.com
www.cheapjoes.com
www.dickblick.com
www.danielsmith.com
www.rosemaryandco.com

Stores

The Art Experience, Avon
Dick Blick, near Fenway Park, Boston
Michaels (basic paper, paints)

BAC 15 240 – Summer Flowers: Mastering Botanical Composition

Instructor: Catherine Watters

Are you stymied when attempting to capture the beauty and grace of your favorite summer flowers? Whether trying to portray a single flower or a garden bouquet, discover the nuance of botanical composition with Catherine Watters. Analyze elements of composition with a focus on shape, structure and negative space, and then paint your composition. Catherine will also discuss mixing colors as well as balancing light and shadow to make your painting come to life.

Materials List

- i-Pad or digital camera (Note: WCBG Friends has a digital camera which you may borrow while in class)
- Watercolor Paper - Hot pressed, 140# or 300#, 11" x 14". Arches block is always reliable, or bring your preferred paper.
- Tracing Paper - Canson Vidalon Translucent Vellum 11" x 14" (WCBG Friends will supply this paper)
- Lead Pencils - H & 2H (I like Staedtler Mars brand)
- 3 Erasers - Kneaded Rubber
 - Paper Mate Tuff Stuff Eraser Stick
 - Tombo Mono Zero
- Divider - a measuring tool, similar to a compass but w/ 2 points (do not get one w/ an adjusting wheel)
- Whisk - desk broom, to sweep eraser crumbs
- Sable brushes - My favorites are Winsor & Newton Series 7 - #1 & #3 (#4 is great to have for big washes). You may not find them in the US due to the current ban! You can order them through Ken Bromley Art Supplies in the UK. Buy the set with #1, #2, #3 & #4 brushes. They ship very quickly and are not more expensive.
- Brushes that I use for lifting mistakes or highlights:
 - Princeton Art & Brush Co., 6300B, #2 Bright
 - Robert Simmons Expression, E60 Flat Shader #2 & #4
- Mixing brush, not too big! A good one by W & N : Sceptre Gold II 101, #4
- Palette - the one you normally use or 2 plastic (or ceramic) round w/ 10 compartments.
- Watercolor paints, bring the ones you enjoy painting with. I will use the following colors, all Winsor & Newton colors unless otherwise indicated:
 - Permanent Rose, Permanent Magenta, Permanent Alizarin Crimson, Winsor Violet, Cobalt Blue, New Gamboge (old Winsor & Newton formula PY 153 or Daniel Smith or Holbein), Winsor Lemon, Burnt Umber, Burnt Sienna, Van Dyke Brown, Payne's Grey, Neutral Tint, Leaf Green (Holbein) & Sap Green (M. Graham)
- Small portable lamp w/ halogen or natural light bulb (very important; WCBG Friends will supply these unless you like your own).
- Magnifying glass (very important too!)

I will bring dental tools, Mr. Clean Magic Eraser and sand paper to fix mistakes with.

- **Plant material** – Please bring cut summer flowers from your own garden (or your neighbor's/friend's). We will supplement those with some purchased from Natick Community Organic Farm.

BAC 15 242 – Botanicals by Brush and Pencil

Instructor: Kathie Miranda

Learn to combine three very different media – black India ink, watercolor, and colored pencil - to create rich, luminous paintings on paper. With **Kathie Miranda** as your guide, explore the qualities of each medium and discover creative ways of layering ink washes, watercolor and colored pencil together to exploit the inherent benefits of each. Create a simple botanical composition with your choice of flowering plant. Add your favorite natural objects such as shells and insects for interesting accents.

Materials List

There are 4 components to the mixed media process:

- ☞ Line drawing in graphite
- ☞ Inking with waterproof black India ink
- ☞ Watercolor application
- ☞ Colored Pencil application

You may work from color photographs, prints or digital images of botanical subjects of your choice. Intensely colored flowers with deeply colored stems and leaves are perfect for this technique. Colorful indoor and outdoor garden plants are also good choices. Bring to class a few ideas from which to choose. We will work on 11" x 15" paper so plan your ideas accordingly. You may bring a completed line drawing, ready to transfer to watercolor paper, if you wish.

Please bring to class watercolor and colored pencil supplies you already have. In addition, please include the following required supplies:

Items in [brackets] are *suggested* brands/models

☞ **Drawing Supplies**

Pencils, eraser, tracing paper (11" x 14"), graphite transfer paper, (1) sheet of white inexpensive drawing paper (11" x 14") to make L-croppers, 18" metal ruler, Xacto knife, repositionable tape [3M Removable Scotch Tape]

☞ **Ink Supplies**

Waterproof black India ink [Higgins Black Magic]

Pigma Micron 005 (.20 mm) pen, black

Synthetic (Golden Taklon) Watercolor Round: #5 or #6 [Loew-Cornell]

Optional: ½ - ¾" Watercolor Wash, flat

Frisket Film, Matte (1 – 2) Sheets, 9" x 12" [Grafix All-Purpose Frisket Film]

☞ **Watercolor Supplies** [An essential component is 300# hot pressed paper: anything else causes one to struggle with the ink wash portion. 140# hot pressed paper left on the block is 2nd best.]

Watercolor Paper – 300# Hot Press [Fabriano Artístico Extra White or Traditional White] Full Sheet 22" x 30" cut into quarters 11" x 15" each

Drawing board or stiff board slightly larger than the paper; foamcore works well

If you are interested in a list of Kathie's favorite watercolor and colored pencil supplies, please let us know.