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
  • Academic year of class (20, 21, 22 etc.)
  • Number of class (010, 020, 101, 104, 201, etc.)

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 20 010 – Drawing and Painting for the Petrified
Instructor: Sarah Roche

Get started painting! All abilities and anxiety levels welcome. In this relaxed, informative seminar with plenty of helpful demonstrations, you will work towards developing your drawing and painting skills. Sarah Roche encourages your observational skills to grow as you experiment with line drawings and the accurate representations of botanical forms. Leap into watercolor painting as Sarah guides you through a series of fun beginning botanical watercolor exercises.

Materials List for first class:

Spiral bound drawing pad: 9”x12” or 10”x14”
Tracing paper
Pencils: 2H, H, F, HB, B
Staedlar white plastic eraser
Exacto or retractable craft knife
Sandpaper block or emery board
White china plate or plastic palette
Viva paper towel
Small clear jam jar

WCBG Friends will provide watercolor paint. Sarah will discuss brushes and watercolor papers necessary for remaining classes.
BAC 20 101/102 – Foundations of Botanical Drawing and Painting
Instructor: Sarah Roche

Through demonstrations and tutorials, Education Director Sarah Roche will introduce you to the traditional art and science of botanical drawing and painting. Instructional focus includes observational skills, drawing, composition, design, and watercolor techniques. For the fall, this class will focus on mixing greens, building up the intensity of a painting through washes and glazes to give complex and rich detail. Starting with studies and exercises, we will work together to complete a final painting with accurate color, texture and detail. Topic for winter class TBD.

Materials List for First Class:

Spiral bound drawing pad: 9”x12” or 10”x14”
Tracing paper
Pencils: Staedtler Pencil Mars Lumograph, 12 Pieces Set (100 G12)
  https://www.amazon.com/dp/B0014E2S0Q/ref=cm_sw_r_cp_api_3lqDyb3DMYVSK
Staedlar white plastic eraser
Exacto or retractable craft knife
Sandpaper block or emery board

Sarah will provide plant material. She will hand out a more extensive materials list at the first class
BAC 20 101A – Introduction to Botanical Art: Foundations in a Week

Instructor: Sarah Roche

Explore the world of botanical art over four days in this course designed especially for you – the beginner. Sarah Roche guides your experience through structured exercises, projects and demonstrations, exposing you to the basic techniques and methods of botanical drawing and watercolor painting.

NOTE: If you have not painted before, you do not have to purchase the paints. We will supply them. We have brushes for sale. Please bring all other supplies. If you have any questions, please let us know.

Materials List:

Paper
- Spiral bound watercolor pad – 11x15; Strathmore Watercolor, 400 Series (brown cover)
- Spiral bound drawing pad – 9x12 or 10x14
- Tracing paper

Drawing equipment
- Graphite pencils 2H, F, HB, B; this is a good set: Staedtler Pencil Mars Lumograph, 12 Pieces Set (100 G12) [https://www.amazon.com/dp/B0014E2S0Q/ref=cm_sw_r_cp_api_3lqDyb3DMYVSK]
- Staedlar white 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
  OR
  Isabey 6227Z
- At least one size 4 – same series as above

Note: Rosemary & Co brushes, sizes 6 & 4/Series 33 are available from WCBG Friends in class; size 6: $9.00 each; size 4: $6.00 each

Paint:

Winsor and Newton – Artist’s Quality Watercolor (Note: Do not purchase “Student Quality”)
- Lemon Yellow (Nickel Titanate)
- New Gamboge
- Winsor Lemon
- Permanent Rose
- Scarlet Lake
- Permanent Alizarin Crimson
- Quinacridone Magenta
- Winsor Blue-Green Shade

Daniel Smith “Extra Fine Watercolors”
- Burnt Sienna
- Raw Sienna
- Ultramarine Blue

Miscellaneous
- Water container or 2
- Palette or white china plate
- Paper towel – Viva or white cotton rag(s)
- Magnifying glass (WCBG Friends has some small magnifiers for sale)
Pinholder / frog / small vase / bottle or clamp for holding specimen
Masking tape

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

Stores
Dick Blick, near Fenway Park, Boston
Michaels (basic paper, paints)
BAC 20 104 / 204 – Studio Focus: Spring Awakenings
Instructor: Sarah Roche

Celebrate the greening of the spring! Sarah Roche will guide you in painting the blossoms and bulbs that signal that warmer days are coming. There are so many subjects to choose from, and you can use them to compose a library page or a single plant portrait. The class is suitable for artists at both Foundations and Techniques levels of experience.

Materials List

The materials required for this class are the same materials used in your Foundations/Techniques of Botanical Drawing and Painting class. Sarah will provide more information regarding plant materials or additional art supplies as we get closer to the class.
BAC 20 113 – Color Mixing for Artists
Instructor: Susan Fisher

Susan Fisher teaches you how to mix the colors you want, not the ones you end up with through trial and error. Learn an easy system for combining colors consistently to achieve the broadest possible spectrum for any “wet” medium including watercolor, gouache, oils, acrylics, etc. Ideal for artists at all levels.

Materials List:

- **Water Color paper**: You must bring some inexpensive watercolor paper for practice mixes. You may choose a 9x12 block (size approximate) of 140lb. cold press watercolor paper OR a pad of watercolor paper. There will be exercise sheets available the first day of class.

- **Paint Brushes**: An inexpensive round watercolor (#6) or buy a Silver Brush, Ltd. Black Velvet 3000S watercolor brush. An old inexpensive brush is good for mixing colors as an additional item to bring. Larger brushes tend to suck up paint and are frustrating for these exercises.

- **Fine Line Sharpie**: permanent ink

- **Palette**: I prefer to use the Michael Wilcox Palette. It features the double primary color bias wheel that we use for exercises in this class. Small spray bottle or an eye dropper: for re-wetting paints

- **Water container**: Bring 2 pint sized containers

- **Paper towels**: for wiping brushes, cleaning your palette, Viva works best.

- **Sketch book**: 9 x 12 (size is approximate) notebook or sketching paper for taking notes. (optional)

- **Pencil or pen**: for note taking.

You may go to [www.susantfisher.com](http://www.susantfisher.com) and click on Workshops from the top menu bar. You will see the Color Mixing course there. There is a list of documents you can download: watercolor paint list, where to order a palette, bibliography, some exercise sheets. Print out the paint list if you wish to take it with you to the art supply store. You will need only 11 colors. You may already have many of these colors because they are required for your botanical courses so check your own supply first.
BAC 20 123 – Lettering with Pen and Ink
Instructor: Nancy Galligan

In this five-week class with Nancy Galligan, students will learn Foundational, an alphabet that is perfect for labeling or captioning as well as writing out lengthier text. This upright letterform based on the circle is the alphabet most used to introduce students to calligraphy. Nancy will guide your learning with classroom exercises and instructor demos. Students will also be introduced to simple Roman capitals, the uppercase letters that go with this lowercase alphabet. This class is ideal for beginners and continuing beginners alike (those who have previously taken a calligraphy class with Nancy).

Materials List:

- Pad of Practice Paper – translucent (so they can see guidelines underneath). I suggest Canson Pro Marker Layout bond – 9x12 (I’ve seen this as Michael’s)
- Higgins Eternal Ink (seen at Michael’s and Hobby Lobby)
- Nib Holder
- Speedball C series nibs - #2 definitely but #3 and #4 would be great as well. (At Hobby Lobby and Michaels, one can sometimes find a set of Speedball C-Series nibs with a holder.)
- Micron black marker– whatever size the student wants
- HB and 2B – graphite pencils
- Eraser
- Small cotton rag to clean nib

Stores
Dick Blick, near Fenway Park, Boston
Hobby Lobby (ink, nibs, etc.)
Michaels (basic paper, paints, ink & nibs, etc.)
BAC 20 141 – Florilegium at Elm Bank
Instructor: Sarah Roche & Lauren Meier

In this two-day workshop with Sarah Roche and Lauren Meier, discover how to identify plants using a floral formula and then learn how to sketch them to make a record of your observations. There will be plenty of class participation as we study how to ID the local flora at the Massachusetts Horticultural Society’s Gardens at Elm Bank. Ink sketches will be enhanced by watercolor washes to record accurate color and detail. Dress appropriately for the weather as we will be roaming around the grounds. We will be using Newcomb’s Wildflower Guide as our flora. Copies of Newcomb’s will be available for purchase at the start of class.

Materials List

Plant identification book

Paper
- Stillman & Birn Zeta Wirebound Sketchbook, Heavyweight 180lb, Natural White, 25 Sheets, 9x12; this is multi-purpose paper, any size 9x12 or larger is fine
  https://www.amazon.com/dp/B00BW5G03I/ref=em_sw_r_api_LCx.BbKGM3WZ3

Drawing and Painting Equipment
- Watercolors – whatever you own
- Watercolor palette
- Water container
- Two round brushes – size 4 [like Rosemary & Co. Series 33 brushes (avail from WCBG Friends’, $7 each; or Isabey 6227Z (Kolinsky sable) or equivalent]
- Black Micron pen size 0.005
- 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
- Water bottle
- Sunscreen / bug repellent / hat
BAC 20 151 / 251 – Embracing Winter: Painting Winter Weeds
Instructor: Lara Call Gastinger

Under the guidance of Lara Call Gastinger, you will compose a multi-species painting of several winter weeds. Through compositional tips, botanical accuracy and watercolor techniques, Lara will lead you towards creating a botanical painting embracing the stark elegance of the winter landscape,

Materials List:

- **Fabriano Artistico HOT press paper** (traditional or bright white), 300 lb. Arches or Moulin de Roy are also fine. (Note: WCBG Friends has some Fabriano Artistico quarter sheets available for purchase at $4.00 per quarter sheet)
- **Round watercolor brushes** size 2, 4 (kolinsky sable are best) Winsor Newton series 7 are good, Raphael Kolinsky #8408, size 2 or size 4 are my absolute favorite but can be expensive.
- **water dish/jar** (a small short jelly jar works fine)
- **watercolor palette** (I recommend a flat white dinner plate, seriously), please NO plastic. Lara will provide paints!
- **kneaded eraser**
- **tracing paper** (roll or pad)
- **HB pencil**
- **a portable desk light** (Note: WCBG Friends will provide lamps to each student in the classroom)
- **dried wildflowers, grasses, stems from your yard or locally**
BAC 20 201/202 – Techniques of Botanical Drawing and Painting:

*Classes are designed for the more accomplished artist.*

**Instructor: Sarah Roche**

Through exercises and projects, work on your drawing and watercolor techniques in this class with Sarah Roche. Focus on achieving the accurate representation of botanical subjects through demonstrations, individual instruction, and close scrutiny of plant structure. For the fall, this class will concentrate on the essential skill of dry brush through exercises and mini projects. Work on mastering the depiction of textures and visual description of surfaces through a series of studies and small paintings so you gain confidence to add that final essential detail. This class will work on both paper and vellum. Topic for winter class: TBD.

**Materials List**

**Paper**

Stillman & Birn Beta Series Wirebound Sketchbook, 9” x 12”; at Amazon: [https://www.amazon.com/dp/B005FY808K/ref=cm_sw_r_em_tai_c_oo77Db5X8PP72](https://www.amazon.com/dp/B005FY808K/ref=cm_sw_r_em_tai_c_oo77Db5X8PP72)

- Spiral bound drawing pad – 9x12 or 10x14
- Tracing paper
- Hot pressed (HP) 140 lb stretched block–10x14 or 14x20; Les Arches or Lanaquarelle – for exercises; could be scraps or from a block
- Lined notebook
- Half-sheet foam core

**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 for sale from WCBG Friends) or
- Isabey 6227Z

At least one size 4 – same series as above
Paint:

**Winsor and Newton – Artist’s Quality Watercolor**
- Lemon Yellow (Nickel Titanate)
- New Gamboge
- Winsor Lemon
- Permanent Rose
- Scarlet Lake
- Permanent Alizarin Crimson
- Quinacridone Magenta
- Winsor Blue-Green Shade
- Viridian

**Daniel Smith “Extra Fine Watercolors”**
- Burnt Sienna
- Raw Sienna
- Ultramarine Blue

- 2 small glass water containers
- Palette or white china plate
- **Paper towel – Viva or white cotton rags**
- Magnifying glass (WCBG Friends has some small magnifiers for sale)
- Pinholder / frog / small vase / bottle or clamp for holding specimen
- Masking tape

**Websites**
- [www.aswexpress.com](http://www.aswexpress.com)
- [www.cheapjoes.com](http://www.cheapjoes.com)
- [www.dickblick.com](http://www.dickblick.com)
- [www.jerryarterama.com](http://www.jerryarterama.com)
- [www.rosemaryandco.com](http://www.rosemaryandco.com)

**Stores**
- Dick Blick, near Fenway Park, Boston
- Michaels (basic paper, paints)
BAC 20 219X – Color Clarity

Instructor: Susan Fisher

Study the lesser-known aspects of pigments in order to achieve the results you want. Learn to recognize the various qualities of watercolor pigments and see which aspects can derail final results. This class with Susan Fisher will help you optimize your ability to choose and mix the right colors to get the most out of your current color palette. Bring the watercolors you like to use as well as the colors you are curious about. Pre-requisite: Color Mixing for Artists.

Materials List

You will need whatever supplies you use to paint in watercolor.
BAC 20 236 – Graphite Mastery: Advanced Techniques
Instructor: Susan Fisher

The graphite pencil is a fundamental tool in botanical art. It is humble, overlooked and essential! There is a great deal to be gained by using this simple device with accuracy and finesse. Susan Fisher will help you explore familiar graphite skills – line, form, value, edges, and textures – to take each one beyond your current ability. Exercises in graphite application will focus on the subtle and more obvious methods of use for each of these critical elements. Develop the patience and appreciation for this enduring medium and improve all your botanical work. Suitable for intermediate to advanced artists.

Materials List

Wooden Pencils: 3H, H, HB, 2B, 4B, 6B in any brand you prefer – Derwent or Staedtler for example. My personal preference is Tombow brand. If you could only bring a few – bring the 3H, HB, 2B and 4B pencils – these will suffice.

Pencil Sharpener: This can be battery operated or a standard "hand operated" sharpener.

Lead Holders: These holders are designed to use with thin rods of graphite, similar to a mechanical pencil. There are many brands available and they all work well: Staedtler Mars, Koh-I-Noor Technigraph and FaberCastell are a few.

The graphite used in them also comes in different brands and in all of the numbers above (3H, H, HB, 2B, 4B and 6B) You may want more than one holder so that the lead does not have to be changed out each time you want to work with a lighter or darker lead.

Lead Pointer: the device used to sharpen the leads (held in the lead holders). These come in a variety of styles and colors – portable – and non-portable. Alvin is one brand, for example.

Brush: One 2” wide cheap brush for brushing away eraser crumbs. A Hake brush also works well for this purpose.

Erasers: One kneaded eraser as well as a Tuff Stuff eraser stick. Pentel Clic erasers or the Tombow Mono Zero series are good too. There are many fine erasers in different shapes so shop around and get what you like.

Eraser Shield: This is a very handy and inexpensive device – I recommend it.

Papers: There are many choices. Here are a few: Strathmore, 300 Series, Bristol (#100) vellum, white paper. It comes in a pad. 9 X 12 is a good size for exercises in this class. Strathmore also makes a smooth white paper that works well. Any hot press watercolor paper can be used and is another option. I sometimes use Arches #140 hot press watercolor paper too. Crescent Illustration board is another option. Bring a sketchbook for practice and note-taking.

PLEASE: Do not feel you must buy everything on this list. Come to class with four or five pencils, an eraser and the Strathmore pad of paper. This will be sufficient. You can opt for more supplies based on your specific desires later.

We will go over all materials in class. Ultra smooth papers such as those used for pen and ink do not allow for layering in graphite.
BAC 20 252 – Painting Richly Colored Flowers on Vellum

Instructor: Carol Woodin

Perfect the techniques of painting in watercolor on vellum. After a brief background discussion, Carol Woodin will demonstrate how to stretch vellum over a panel. Then you’ll begin preliminary sketches of anemones or ranunculus. Through discussion, demonstration, and practice you’ll learn to transfer preliminary drawings, clean and refine the drawing before painting, and build color through transparent layering. This technique of many layers of drybrush watercolor will build fresh but rich color and create believable form as well as well-observed detail. You will have a painting substantially advanced by the end of the workshop.

Materials List

Coming soon.
BAC 21 133X – Fun With Perspective: Understanding the Basics

Instructor: Carol Ann Morley

Do you love drawing but have trouble making your images look real? Explore the fundamentals of perspective with Carol Ann Morley and take your drawing skills to a new level. This class will give you the key concepts to better understand how to achieve a convincing drawing. Through class exercises you will learn the following perspective basics: methods of measuring and how to draw in proportion; foreshortening; overlapping shapes and illusion of depth; linear and atmospheric perspective; light source; and techniques of shading with graphite. We will examine how key shapes like the cube, cone, sphere and cylinder underlie all subjects and organic shapes and are the foundation of drawing. Beginner to experienced students welcome.

Materials List

Coming soon.
BAC 21 134 – Drawing Flowers in Perspective

Instructor: Carol Ann Morley

In this fun, skill building class, Carol Ann Morley helps you focus on how to draw flowers in perspective. From a simple to a complex flower, learn to create the illusion of visual depth using a few rules of perspective. Discover ways to depict tricky angles of foreshortened petals and leaves. Train your artist’s eye to look beyond the familiar flower and seek out the underlying structural form that reveals the true anatomical character. Enjoy drawing the flowers of summer in the classroom and the garden environment as you explore their diversity of shape and depict their beauty in graphite with accurate dimensions and clarity of form.

Materials List

Coming soon.
BAC 21 240 – Take Time to Smell – and Paint – the Roses
Instructor: Catherine Watters

Capture the graceful beauty of roses, starting with close observation and a detailed pencil drawing. This class with Catherine Watters will focus on mixing transparent colors and carefully applying them to create a luminous balance of light and shadow that will bring this intriguing subject to life.

Materials List

- **i-Pad or i-Phone**
- **Watercolor Paper** - Arches 140# HP - 11” x 14” (minimum size)
  - (or your preferred **hot pressed** paper)
- **Tracing Paper** - Canson Vidalon Translucent Vellum 11” x 14”
- **Lead Pencils** - Staedtler Mars Lumograph 100 - grade H & 2H
- **3 Erasers** - Kneaded Rubber
  - Papermate Tuff Stuff Eraser Stick
  - Tombo Mono Zero (tiny round click eraser)
- **Divider** - a measuring tool, similar to a compass but w/ 2 pts.
  - (do not get one w/ an adjusting wheel)
- **2 Palettes** - Plastic or ceramic, round w/ 10 compartments (w/ lid)
- **3 Paintbrushes** - (or your preferred brushes)
  - Winsor & Newton, Series 7, Kalinski Sable, #1
  - Winsor & Newton, Series 7, Kalinski Sable, #3
  - Princeton Art & Brush Co., 6300B, #2 Bright
- **Watercolors** - (or your preferred Professional quality colors); **Winsor Newton** unless otherwise noted:

<table>
<thead>
<tr>
<th>Watercolor</th>
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<tbody>
<tr>
<td>Permanent Rose</td>
<td>Burnt Sienna</td>
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<tr>
<td>Permanent Magenta</td>
<td>Vandyke Brown</td>
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<tr>
<td>Permanent Alizarin Crimson</td>
<td>Winsor Lemon</td>
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<tr>
<td>French Ultramarine</td>
<td>Cerulean Blue</td>
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<tr>
<td>Winsor Violet</td>
<td>Neutral Tint</td>
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<tr>
<td>Winsor Red</td>
<td>Payne’s Grey</td>
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<tr>
<td>New Gamboge (Daniel Smith)</td>
<td>***Ultramarine Violet (Schmincke)</td>
</tr>
<tr>
<td>Winsor Yellow</td>
<td>Leaf Green (Holbein)</td>
</tr>
<tr>
<td>Yellow Ochre</td>
<td>Sap Green (M. Graham)</td>
</tr>
<tr>
<td>Burnt Ochre</td>
<td>Permanent White gouache (Winsor &amp; Newton)</td>
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*** Ultramarine Violet (Schmincke) is a great color for shadowing white or pale flowers.

- **Magnifying Glass** - light weight w/ no rim
- **Small Lamp** - with halogen or natural light bulb; **w/ flexible goose neck**
  (Naturalight Table Magnifying Lamp @ Blick’s)

NOTE: WCBG Friends provides individual electric lamps in the classroom