

Materials Lists for Wellesley College Friends of Horticulture Classes

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

Foundations of Botanical Drawing and Painting and Techniques of Botanical Drawing and Painting are listed first, followed by other art courses in alpha-numeric order.

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

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 materials lists yet for this year.
- Call the WCFH office at 781-283-3094, ext. 4 to request a copy.

BAC 10 010 – Plant Painting for the Petrified

Instructor: Sarah Roche

Have you always wanted to draw and paint flowers but didn't know where to start? Well, this class is designed for you! In a relaxed atmosphere, **Sarah Roche** guides you through the elementary stages of illustrating plants. Your observational skills grow as you experiment with your first line drawings. Explore composition and color choices as you enjoy the process of creating botanical art.

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

Sarah will hand out a more extensive list at the first class.

BAC 10 020 – WOW–Botany is Exciting!

Instructor: Carol Govan

Love plants and want to understand them better? Enjoy early arrival of spring in the WCBG Greenhouses as **Carol Govan** introduces botany to you using basic terminology, direct observations and journaling to explore basic plant morphology (seeds, roots, shoots, flowers and fruit). No previous experience necessary except a love of plants.

Materials List:

Sketchbook

Notebook

#2 pencil

Hand lens, if you own one

Scotch tape

Your lunch

BAC 10 030 – Field Sketching in the Botanic Gardens

Instructor: Carol Govan

No previous experience necessary except a love of plants.

Even non-artists will enjoy this class with **Carol Govan** that teaches the rewarding skill of field sketching in the Wellesley College Botanic Gardens. By making sketches – not formal drawings – you will increase your understanding of trees and learn to focus on features useful in identifying even unlabeled specimens. After observing and recording forms and branching patterns from a distance, move in for a closer look at twigs and buds, bark, leaves, flowers, and fruit. Your quick sketches in the form of note-taking will help you look closer and remember what you have seen.

Materials List:

Sketchbook/Notebook

#2 pencil

Hand lens, if you own one

BAC 10 041 – Botanizing Together: The Beauty Within

Instructor: Carol Govan

With **Carol Govan** as your guide, discover the world within plants and their structures via the use of hand lens and microscopes to enhance the observations of the naked eye. Be amazed by the beauty of intricate form and design as you focus in on plant structure. Some easy drawing conventions will be covered. Attempting to draw your subject helps you remember it no matter what the drawing looks like.

Materials List:

Sketchbook

Plastic eraser

Kneaded eraser

Hard and soft pencil (2H and 2B) or whatever you have

Hand lens, if you own one

BAC 10 044 – Botanizing Together: Signs of Spring

Instructor: Carol Govan

Observe plants and their associates (insects, butterflies, mushrooms) and nature journal with **Carol Govan!** Some easy drawing conventions will be covered as well as practice with different coloring media. Attempting to draw your subject helps you remember it no matter what the drawing looks like.

Materials List:

Sketchbook

Plastic eraser

Kneaded eraser

Hard and soft pencil (2H and 2B) or whatever you have

Hand lens, if you own one

The gardens can be damp under foot in early spring. Please dress appropriately for the weather.

BAC 10 101A, B, or C; BAC 10 102A or B
Foundations of Botanical Drawing and Painting
Instructor: Sarah Roche

Under the guidance of **Sarah Roche**, realistically render botanical forms in pencil and watercolor. Through demonstrations and tutorials Sarah 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. All abilities are welcome! This 24-hour course is the core of the WCFH Botanical Art and Illustration Program.

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

Sarah will discuss the remainder of the materials you will need at the first class.

Look at the Foundations/Techniques materials list on the next page to get an idea of what other materials are required for the class. **Please don't purchase the materials on the next page without first speaking to Sarah.**

EXCEPTION: If you are registered in *Foundations in a Week*, students should come to the first class with all below supplies. If you prefer not to purchase all the paints, please bring your paint palette and we will supply a splotch of watercolor.

BAC 10 101 A, B, C; BAC 10 102 A, B -- Foundations of Botanical Drawing and Painting BAC 10 201, 202 -- Techniques of Botanical Drawing and Painting

Instructor: Sarah Roche

Under the guidance of **Sarah Roche**, realistically render botanical forms in pencil and watercolor. In **Foundations**, Sarah will introduce you to the traditional art and science of botanical drawing and painting. In **Techniques**, expand your knowledge of the watercolor painting skills necessary to create an accurate representation of botanical forms. Students enrolling in Techniques should have successfully completed two Foundations courses and have the permission of the instructor.

If you are new to Foundations, please don't purchase any of these materials before the first class, except if you are in *Foundations in a Week*, as noted above.

Paper

Spiral bound watercolor pad – 9x12 or larger (Strathmore Watercolor 400 series)

Spiral bound drawing pad – 9x12 or 10x14

Tracing paper

1 sheet of hot pressed (HP) 140 lb paper (Les Arches or Fabriano)

Lined notebook

½ sheet foamcore

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 (Winsor and Newton Cirrus (sable/nylon) *or* Isabey 6227Z (Kolinsky sable) *or* equivalent.) **Optional:** 1 miniature brush, size 3, Winsor & Newton Series 7

Paint: Winsor and Newton – Artist's Quality Watercolor

Lemon Yellow

Winsor Lemon

Cadmium Yellow Pale

Cadmium Red / Scarlet Lake

Raw Sienna

Paynes Gray

Permanent Alazarin Crimson

French Ultramarine

Winsor Blue-Green Shade

Permanent Sap Green

Permanent Rose

Burnt Sienna

Davy's Gray

Viridian

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.jerryarterama.com

Stores

The Art Experience, Avon

Pearl Art Store, Cambridge

Dick Blick, near Fenway Park, Boston

Michaels (basic paper, paints)

BAC 10 103 – Spring Flowers: A Studio Focus

Instructor: Sarah Roche

Celebrate the return of warmer days and vibrant flowers in this four-week studio focus with **Sarah Roche**. Work on expanding your color palette and refining brush techniques to record the beauty and intricacies of the flowers of Spring. Give your artist toolbox new skills and be inspired to face more challenging botanical subjects as you head into the summer flower season.

Materials List

Students should bring the usual art supplies from Foundations and/or Techniques class as listed below. **Closer to the start of the class, Sarah will send out a list of some additional supplies required.**

Paper

Spiral bound watercolor pad – 9x12 or larger; Winsor and Newton Cotman or Canson or similar

Spiral bound drawing pad – 9x12 or 10x14

Tracing paper

Hot pressed (HP) 140 lb stretched block – 10x14 or 14x20; Les Arches or Lanaquarelle

Lined notebook

½ sheet foamcore

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 (Winsor and Newton Cirrus (sable/nylon) *or* Isabey 6227Z (Kolinsky sable) *or* Equivalent); **Optional:** 1 miniature brush, size 3, Winsor & Newton Series 7

Paint - Winsor and Newton – Artist's Quality Watercolor

Lemon Yellow

French Ultramarine

Winsor Lemon

Winsor Blue-Green Shade

Cadmium Yellow

Permanent Sap Green

Cadmium Red/Scarlet Lake

Permanent Rose

Raw Sienna

Burnt Sienna

Paynes Gray

Davy's Gray

Permanent Alazarin Crimson

Viridian

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.jerryarterama.com

Stores

The Art Experience, Avon

Pearl Art Store, Cambridge

Dick Blick, near Fenway Park, Boston

Michaels (basic paper, paints)

BAC 10 104 / 204 – Your Holiday Essence: A Studio Focus

Instructor: Sarah Roche

What food conjures up the holiday spirit for you?

The essential element in any holiday celebration is the feast that we share with friends and family. Cranberries and sweet corn, apples and pears, pumpkins and squashes, onions and sweet potatoes, cloves and cinnamon, thyme and rosemary, chestnuts...**Sarah Roche** guides you as you compose your holiday favorites into a watercolor paint suitable for framing or reproduction as holiday cards.

Materials List

Students should bring the usual art supplies from Foundations and/or Techniques class as listed below. **Closer to the start of the class, Sarah will send out a list of some additional supplies required.**

Paper

Spiral bound watercolor pad – 9x12 or larger; Winsor and Newton Cotman or Canson or similar

Spiral bound drawing pad – 9x12 or 10x14

Tracing paper

Hot pressed (HP) 140 lb stretched block – 10x14 or 14x20; Les Arches or Lanaquarelle

Lined notebook

½ sheet foamcore

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 (Winsor and Newton Cirrus (sable/nylon) *or* Isabey 6227Z (Kolinsky sable) *or* Equivalent); **Optional:** 1 miniature brush, size 3, Winsor & Newton Series 7

Paint - Winsor and Newton – Artist's Quality Watercolor

Lemon Yellow

French Ultramarine

Winsor Lemon

Winsor Blue-Green Shade

Cadmium Yellow

Permanent Sap Green

Cadmium Red/Scarlet Lake

Permanent Rose

Raw Sienna

Burnt Sienna

Paynes Gray

Davy's Gray

Permanent Alazarin Crimson

Viridian

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

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www.cheapjoes.com

www.dickblick.com

www.jerryarterama.com

Stores

The Art Experience, Avon

Pearl Art Store, Cambridge

Dick Blick, near Fenway Park, Boston

Michaels (basic paper, paints)

BAC 10 112 – History of Botanical Art Seminar

Instructor: Carol Govan

Learn about the history of botanical art from its early stages through contemporary works. Using both artistic and scientific illustrations, **Carol Govan** introduces you to the many techniques involved in creating original images as well as reproducing them for a larger audience. A private viewing during the third session in Wellesley College's Margaret Clapp Library Special Collections highlights the College's extraordinary world-class collection of rare manuscripts.

Materials List:

Bring a hand lens for looking at samples under magnification.

BAC 10 120 – Veils of Color: Egg Wash

Instructor: Jeanne Kunze

One of the oldest, most versatile and most durable methods of painting, egg tempera is a new passion for artist and instructor **Jeanne Kunze**. This wonderfully rich paint applied thinly allows the artist to build color depth through many thin veils of color. In this three-day workshop, Jeanne shows you how adding this technique to your tool box will bring a new luminosity and amazing color effects to your work whether you paint in a traditional watercolor style or do botanicals. Some previous watercolor experience required.

<Materials List coming soon>

BAC 10 121 – Elements of Botanical Drawing: Getting it Right

Instructor: Jeanne Kunze

Are you a beginner or an advanced artist in need of a foundational approach to drawing? Jump start your drawing skills with this class with **Jeanne Kunze** designed to produce accurate observation and definition of shape— both essential to artistic renderings, botanical or not. Learn to represent plants through specialized observation; composition set up options; warm-up sketching exercises and techniques; proportional measurements; foreshortened petals, flowers, and leaves; aerial perspective and compositional balance. Develop your observation and illustration skills through a class filled with individual teaching moments.

Materials List:

Bring to first class:

Pencils: HB, (wood encased or mechanical pencils)

Paper: Tracing paper pad for preliminary sketches and protecting your work 14" × 17" or 12" x 18

Erasers: plastic, magic rub and kneaded

Portable Pencil sharpener: either battery operated or manual (one is available in Visitor Center)

One 20" x 30" foam core board: cut to 20" X 26". This will create a portfolio/ drawing board/ display board in first class.

Roll of Tape at least 1" (To tape foam core)

2 bull dog type clips

A cloth pad hand rest (kitchen towel)

Additional materials for later classes

Pencils: 2H, 2B and 4B

Strathmore Bristol board 400 series available by the sheet or in pads

The following will be explained at first class

Plexiglas [optional]

Black marker

BAC 10 122 – Drawing Flowers and More

Instructor: Carol Ann Morley

Practice, practice, practice!

Contour drawing is the one skill you can never practice enough. Gift yourself these three days to refresh and strengthen your own way of drawing. Botanical artist and illustrator, **Carol Ann Morley** guides you through discovery exercises that help you draw accurately and confidently. Learn to draw with your right hand, with your left hand, and even with both hands. See in new ways, analyze flower and leaf shapes to recognize patterns and rhythms in botanical shapes, and conquer the perennial problem of foreshortening. Some drawing experience required.

<Materials List coming soon>

BAC 10 125 – Versals: Botanically Illuminated Letters

Instructor: Cynthia Henrich

Manuscripts from antiquity onward include oversized capital letters generously adorned with colorful floral designs and vinery. **Cynthia Henrich's** introductory three-day course in versals—botanically illuminated letters—is appropriate for the novice who is interested in learning the skills of the art of illumination. Focusing on decorated capital letters, students will learn a structured, step-by-step approach, traditional color palettes and drawing techniques. Each student will work toward finishing two illuminated letters during the course. Basic paint mixing experience is helpful. No calligraphy experience required.

Materials List:

Note: Some key supplies available only at Paper and Ink Arts, 1-800-736-7772 (phone services surpass internet in delivery speed; www.paperinkarts.com; or fax 1-888-736-7773); email Cynthia at cynpenink@yahoo.com with questions.

- Hot Press watercolor paper, such as:
 - Fabriano Artistic or Arches; 90 LB (or 140 LB); or
 - Diploma Parchment Paper (ONLY the kind available at “Paper & Ink Arts” catalogue – no substitutes are appropriate)Please have several pieces no smaller than 9”x12”
- Masking tape
- Scrap paper
- Pigma Micron 01 and 005; Sepia preferred, Black okay
- Or
- Bottle of Sepia ink and pen holder with Gillott 303 nib
- Elevated ruler; such as cork backed or ruler elevated by pennies taped to backside with masking tape
- Light box (and extension cord) Or Graphite paper
- Note: Small light box may be purchased at Michael’s and A.C. Moore craft stores for about \$35.00 using discount coupon available at cash register or on internet
- Small cotton rags
- Water pots
- Jar of distilled water
- 2H pencil and sharpener (or mechanical pencil)
- Kneaded or white plastic eraser
- Graph paper – “Paper & Ink Small Grid Pad” is good
- Dropper OR Pipette plastic dropper
- Schmincke Gold watercolor tablet; “Full Pan Gold” in catalogue
- Paint:

Gouache:	Gouache or Watercolor:
Permanent White	Ultramarine Blue Deep
	Prussian Blue
	Brilliant Green
(Winsor & Newton -	Permanent Green Deep
good choice)	Spectrum Red
	Red Ochre
	VanDyke Brown (or similar)
- Note: The tradition is to use Gouache but, watercolors will work well, too.
- 3 or 4 watercolor brushes – 1, 0, 00, 000; sable or combination sable and synthetic. Winsor & Newton brush is a reasonable choice
- Palette knife – small with very pointed end
- “Dime” brushes (or old ones) for mixing
- Magnifying lens
- Agate Burnisher only if you have one already

BAC 10 126 – Beginning Botanical Watercolor Skills

Instructor: Sarah Roche

Sarah Roche introduces you to watercolor paints and papers and guides you through a series of fun beginning botanical watercolor exercises. In this relaxed, informative seminar with plenty of helpful demonstrations, you will work to develop the drybrush watercolor painting skills necessary for accurate representations of botanical forms. Drawing experience required.

Materials List

Paper

Spiral bound watercolor pad – 11x15
Strathmore Watercolor, 400 Series (brown cover)

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:
Winsor and Newton Cirrus (sable/nylon)
or Isabey 6227Z (Kolinsky sable)
or equivalent

1 miniature brush size 3 (optional)
Winsor and Newton Series 7

Paint

Winsor and Newton – Artist’s Quality Watercolor

(Note: Do not purchase “Student Quality”)

Lemon Yellow (Nickel Titanate)	Raw Sienna
Cadmium Yellow Pale	Burnt Sienna
Winsor Lemon	Paynes Gray
Scarlet Lake	French Ultramarine
Permanent Rose	Winsor Blue (Green Shade)
Permanent Alazarin Crimson	Permanent Sap Green
	Optional: Viridian

Miscellaneous Supplies:

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

Websites

www.aswexpress.com

www.cheapjoes.com

www.dickblick.com

www.jerrysarterama.com

Stores

The Art Experience, Avon

Pearl Art Store, Cambridge

Dick Blick, near Fenway Park, Boston

Michaels (basic paper, paints)

BAC 10 132 – Elements of Botanical Drawing: Value and Form

Instructor: Jeanne Kunze

Ramp your drawing skills up a notch in this class with **Jeanne Kunze** designed to help you develop form and value in your drawings. Take the mystery out of representing three dimensional botanical subjects in a two dimensional drawing. It all starts with accurate observational skills. Learn the techniques necessary to correctly observe and to accurately express the subtlety of light and shadow and turn shape into form. Develop confidence in your observation and illustration skills through class demonstrations and individual teaching moments and directed practice.

Materials List:

Bring to first class:

Pencils: HB, (wood encased or mechanical pencils)

Paper: Tracing paper pad for preliminary sketches and protecting your work 14" × 17" or 12" x 18

Erasers: plastic, magic rub and kneaded

Portable Pencil sharpener: either battery operated or manual (one is available in Visitor Center)

One 20" x 30" foam core board: cut to 20" X 26". This will create a portfolio/ drawing board/ display board in first class.

Roll of Tape at least 1" (To tape foam core)

2 bull dog type clips

A cloth pad hand rest (kitchen towel)

Additional materials for later classes

Pencils: 2H, 2B and 4B

Strathmore Bristol board 400 series available by the sheet or in pads

The following will be explained at first class

Plexiglas [optional]

Black marker

BAC 10 134 – Tonal Drawing Applied

Instructor: Carol Ann Morley

So, you know how to shade tonal scales, spheres, cones and cylinders, but you get frustrated applying those fundamentals to plant parts. Relax and let **Carol Ann Morley** ease your anxiety while making the medium of graphite work for you with exercises and demonstrations. Learn how to combine these basic tonal shapes to interpret and render the texture and pattern of plant forms, such as fruits, berries, and leaves in graphite studies that have clarity, balance, and visual depth. Some drawing experience required.

Tonal Drawing Applied Materials List

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

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; have daylight lamps in Visitor Center)

Masking tape

BAC 10 141 – WCBG Florilegium: Wildflowers

Instructors: Carol Govan & Sarah Roche

Observe botany in action in Wellesley College's meadows with **Carol Govan**, a naturalist with an extreme case of botanical enthusiasm, and then record what you see with pencil sketches and ink followed by drybrush watercolor techniques under the guidance of **Sarah Roche**, professional botanical illustrator and teacher.

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

White plastic 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 10 148 – Where in the World?

Instructor: Sarah Roche

Have you ever wondered ‘*Where in the World*’ all the fruits, vegetables, and spices that we enjoy during the long winter months are grown? Learn about exotic produce in their native lands and see up close those growing in the Ferguson Greenhouses. Observe and research and then record them in watercolor. **Sarah Roche**’s expert instruction will give you the skills to capture textures and tones and the vibrant colors of fruits and vegetables—your paintings will look good enough to eat.

Materials List

Students should bring the usual art supplies from Foundations and/or Techniques class as listed below. **Closer to the start of the class, Sarah will send out a list of some additional supplies required.**

Paper

Spiral bound watercolor pad – 9x12 or larger; Winsor and Newton Cotman or Canson or similar
Spiral bound drawing pad – 9x12 or 10x14
Tracing paper
Hot pressed (HP) 140 lb stretched block – 10x14 or 14x20; Les Arches or Lanaquarelle
Lined notebook
½ sheet foamcore

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 (Winsor and Newton Cirrus (sable/nylon) *or* Isabey 6227Z (Kolinsky sable) *or* Equivalent); **Optional:** 1 miniature brush, size 3, Winsor & Newton Series 7

Paint - Winsor and Newton – Artist’s Quality Watercolor

Lemon Yellow	French Ultramarine
Winsor Lemon	Winsor Blue-Green Shade
Cadmium Yellow	Permanent Sap Green
Cadmium Red/Scarlet Lake	Permanent Rose
Raw Sienna	Burnt Sienna
Paynes Gray	Davy’s Gray
Permanent Alazarin Crimson	Viridian

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.jerryarterama.com

Stores

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

BAC 10 149/BAC 10 249 – An Approach to Botanical Painting

Instructor: Anne-Marie Evans

Internationally renowned botanical art instructor **Anne-Marie Evans** comes to the Wellesley College Botanic Gardens to instruct you in her time-honed Five Step Method to botanical painting. Study includes observing a specimen, taking notes and checking diagnostic features of the plant, drawing meticulously, planning the composition, applying watercolor, and discussing masters of the past. Drawing skill required.

Materials List:

Arches 140lbs HP watercolour paper

Good quality (da Vinci, etc.) sable brushes size 2 and 5

2H pencil

Scalpel or small utility knife for sharpening pencil

Eraser and putty erase (kneaded eraser)

Paper on which to sketch

Old rag (towel)

Blotting paper (not essential)

Tracing paper or vellum, good quality

Mixing palette

Watercolours (bring your basic palette of watercolours)

Drawing Board

Light box to share, if available. We have one in the Visitor Center, but could use more (optional)

BAC 10 203 – White Flowers: A Studio Focus

Instructor: Sarah Roche

White flowers can be daunting even for artists with some experience. Come explore with **Sarah Roche** her techniques for painting white subjects in watercolor without the use of white paint. Record the nuances of white flowers through tonal studies that capture form with light and shade, investigate those subtle color mixes essential for capturing form, and learn useful tips about composition and placement to enhance your painting. Then head for the garden to paint white flowers with confidence!

Materials List

Students should bring the usual art supplies from Foundations and/or Techniques class as listed below. **Closer to the start of the class, Sarah will send out a list of some additional supplies required.**

Paper

Spiral bound watercolor pad – 9x12 or larger; Winsor and Newton Cotman or Canson or similar
Spiral bound drawing pad – 9x12 or 10x14
Tracing paper
Hot pressed (HP) 140 lb stretched block – 10x14 or 14x20; Les Arches or Lanaquarelle
Lined notebook
½ sheet foamcore

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 (Winsor and Newton Cirrus (sable/nylon) *or* Isabey 6227Z (Kolinsky sable) *or* Equivalent); **Optional:** 1 miniature brush, size 3, Winsor & Newton Series 7

Paint - Winsor and Newton – Artist's Quality Watercolor

Lemon Yellow	French Ultramarine
Winsor Lemon	Winsor Blue-Green Shade
Cadmium Yellow	Permanent Sap Green
Cadmium Red/Scarlet Lake	Permanent Rose
Raw Sienna	Burnt Sienna
Paynes Gray	Davy's Gray
Permanent Alazarin Crimson	Viridian

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

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www.jerryarterama.com

Stores

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

BAC 10 212 – Botanical Art Research Seminar

Instructor: Carol Govan and Sarah Roche

As a team, **Carol Govan** and **Sarah Roche** will lead this seminar open to anyone with an interest in learning research skills. Upon project completion you will have designed a lecture, workshop, or article on a botanical topic. Inquire with WCFH office for more information if interested.

<Materials List coming soon>

BAC 10 222 – smART Business: Creative Management Techniques for Artists

Instructor: Liz Haywood-Sullivan

It's a New Year, Get Inspired and Get Organized!

Goal setting and organizing yourself always seem easier this time of year. Take advantage of this intensive three session class with professional pastel artist **Liz Haywood-Sullivan** to help set some artistic goals for the New Year and hone your business skills. Designed for artists by an artist these classes will inspire you with tips and techniques to help you keep track of your art, self promotion, how to get noticed by galleries and how to get published, pricing, competitions, bookkeeping tips, and much more. There will be homework assignments and handouts will be included.

Materials List:

Bring a notebook and your questions for a lively conversation.

BAC 10 236 – Birds in Botanicals

Instructor: **Kelly Leahy Radding**

“I would like to paint the way a bird sings.”

Claude Monet

Are you a bird lover who has dreamed of placing a bird in your botanical paintings? Do you take time out of your day to watch your favorite birds at your feeders and would like to learn how to ‘capture’ the essence of those birds in a painting? Award winning designer/illustrator and artist **Kelly Leahy Radding** shares how she approaches and executes painting birds in botanical paintings, starting with learning field journal techniques for identifying and capturing the gesture of a bird to methods for properly placing a bird into a botanical painting. Develop graphite studies of bird anatomy and use those studies to explore painting the various textures in both watercolors and in gouache.

The final project will be a study/painting of a bird of the student’s choice using the techniques and methods learned in the class. These learned skills will give you the confidence to explore the world of natural history painting and enhance your botanicals with not just birds, but with butterflies, bugs and other natural elements.

Materials List

- **Sketchbook/Watercolor Sketchbook** - I use any sketchbook I happen to pick up or have in my pack(!), but I like Moleskine; both their Watercolor book and Sketch Notebook for my journals, especially for travel journals - <http://www.moleskineus.com/>. Others I use and like are Holbein Multimedia Books, Cason Field Sketchbooks, especially the Canson Montval Field Watercolor Book for in the field study painting.
- **Pencil assortment** – I like an assortment of technical/mechanical pencils with different weight leads. I use 4H, 2H, HB, & B. For most of my drawing I use Staedtler Mars technical drafting pencils with drop in leads. I find that I can get the sharpest point with them using the rotating sharpener/lead pointer (just like my engineer father used when I was a kid). For sketching and journaling I like technical pencils with HB or B leads that will retract their leads. Papermate Sharpwriter is a good one to have.
- **Watercolor paints** (artists’ preferences), including Chinese white or white gouache.
 - **Palette**
 - **Water Tub**

My bird watercolor palette tends to consist of the following:

Sepia

Van Dyke brown

Prussian blue

Ultramarine blue

Cobalt blue

Yellow Ochre

Paynes Gray

Carmine Red

Cadmium Yellow Light

Cadmium Yellow Deep

New Gamboge

Burnt Sienna

Raw Sienna

- **Paintbrushes** - Kolinsky Sable sizes 0, 1 and 2. I use Raphael 8404 ,Sizes 00 to 2, but have been experimenting with Windsor & Newton Series 7 Miniature brushes that I really like for the final details and on vellum.

- **Watercolor paper** – I use Fabriano Uno now renamed Fabriano Artistico Extra-White Hot Press, 9” x 12” size or thereabouts is fine for our use.
- **Tracing paper pad** , 9” x 12” size is fine
- **Erasers:** soft white, kneaded, plastic. A Pentel “Clic” or Staedtler Mars ‘click’ white eraser is good. Recently I found one I really like; Alvin “Rub-Lite” White Rose.
- **Ruler** – 12” clear is good



- **Proportion wheel** Staedtler Mars Proportion Scale & Wheel
- **White Artist’s tape and removable tape**

Note: Students might need to shop at a drafting supply store to purchase some of these items.

Book References:

Drawing Birds – John Busby

Watercolor Basics: Drawing and Painting Birds – Shirley Porter

Creating Nature in Watercolors – Cathy Johnson

Painting Birds Step by Step – Bart Rulon

Nature Journaling

Any books by Clare Walker Leslie & Charles E. Roth

My favorites are:

Keeping a Nature Journal – Discover a Whole New Way of Seeing the World Around You

Drawn to Nature – Through the Journals of Clare Walker Leslie

A Trail Through Leaves – The Journal as a Path to Place – Hannah Hinchman

Bird Reference Websites:

<http://www.cloertonature.com/outdoors/bird-pictures.htm>

<http://bna.birds.cornell.edu/bna/>

<http://www.webworldtoday.com/photos.html>

You will need to get permission from the photographers to use their images in your work.

Robert Royse has particularly great photos, especially of birds perched on plain branches.

<http://www.roysephotos.com/>

He is very gracious in granting artists the use of his images in their paintings but please make sure to get his permission before you use any of his images.

BAC 10 245 – Fern Morphology – Beyond the Fronds

Instructor: Dick Rauh

Spend three days in the lab and outside in the Arboretum with award-winning illustrator and artist **Dick Rauh** looking at and drawing these quietly attractive plants that thrive, without showy flowers. Learn to appreciate the variety of forms and the subtlety of color and texture that characterize the pteridophytes. Learn the fern life cycle, dissections, diagnostic characters and vocabulary. Be able to identify the important native genera. Microscopes will be used to look closely at reproductive organs and distinctive details. With Dick's guidance, compose these elements: a drawing of a frond or habit, details of pinna form, sori and scales to come up with a scientific illustration that you will render in graphite or pen and ink. Along the way Dick will present his research on how ferns have been rendered in the course of the history of botanical illustration by some of the masters of the medium.

Materials List:

Students should bring the usual art supplies, specifically including:

sketch pad

tracing paper

pencils in the 2H to HB range

kneaded erasers

6 inch see-through ruler with centigrade measurements

Micron pens 005, 01, 05

Optional: Bring digital cameras.

Optional: Watercolor supplies or Colored Pencils to take color notes for future work on their own.

BAC 10 250 – Painting Botanicals in Watercolor on Vellum

Instructor: Carol Woodin

Learn in detail why many illustrators prefer to work on vellum with award-winning botanical artist **Carol Woodin**. Understand the special characteristics of vellum through discussion, demonstration, and visual aids; learn about transferring drawings, pigment selection, cleaning the vellum, and building color through transparent layering. This technique of many layers of drybrush watercolor will provide artists with additional latitude in watercolor whether on vellum or paper. Working with small botanical subjects on the supplied vellum, you will have a painting substantially advanced by the end of the class.

* Included in registration fee are two pieces of vellum approximately 10" x 12"—one American and one English style.

Watercolor on Vellum Materials List

Students should bring the usual art supplies, specifically including:

2 Lead Holders, one with H lead, one with 4H (the kind you sharpen in a pencil pointer)

Magic Rub eraser

One sheet of drawing and tracing paper

Excellent quality Kolinsky sable brushes - i.e. Winsor and Newton Series 7, Raphael 8404, Kalish Series 1 (less expensive) at www.kalishfinestbrushes.biz

#2, #0, #00

Water tub

Artist grade watercolor paints

This is instructor's palette, you need not purchase these paints:

Cadmium lemon

Cadmium green pale (Holbein)

Cadmium yellow, medium

Viridian green (M. Graham is best)

Cadmium orange

Chromium oxide

Cadmium red

Cobalt blue

Permanent magenta

Mineral violet

Permanent rose

Quinacridone gold

Burnt sienna

DIG 10 101 – It's A Small World – Introduction to Macro-Digital Photography

Instructor: David Kahn

Go up-close and explore the techniques of Macro Photography.

Take photos within inches of your subject. Discover how to create stunning close-ups of flowers and other plant features in this one-day workshop with photographer **David Kahn**. Begin the day with a discussion of equipment, preparation, composition, lighting, tips and tricks, as well as see examples of what can be achieved. Then practice macro techniques using a variety of settings in the Ferguson Greenhouses and Visitor Center. This hands-on workshop is ideal for photographers who want to explore their own creative vision in the realm of macro photography as well as artists who want to record small details as a reference for future artwork. Requirements: a digital camera and a good working knowledge of how to use it. This is not a beginner's course in how to use your digital camera! You should already be able to focus on a subject 6" or less from the lens, be able to set your camera's exposure mode, and be able to turn your flash on or off. A digital SLR with a macro lens or extension tubes is desirable, but a point-and-shoot camera with macro mode will suffice.

A more complete list of requirements and options will be available soon. Please contact our office if you'd like to take this workshop and are not sure if your equipment or experience are sufficient.

WCC 10 101 / 102 – Watercolor Painting for Beginners

Instructor: Nan Rumpf

Explore the charms of this free flowing medium with **Nan Rumpf** in this class designed to introduce you to basic watercolor skills. Experiment with washes, glazes, working wet into wet, developing form through value, and creating interesting shapes. Practice expressive brush strokes, lifting, and color mixing. Together we will explore the charms of this free flowing medium.

Materials List:

- **watercolor paper “10 X14” or similar size (140 LB cold press)**

Fabiano, Waterford or Arches brand papers are preferred.

You can buy it in blocks (most convenient) or in separate sheets or books

- **nonporous back board slightly larger than your paper**
- **tubes of watercolor paint**

Bring artist quality watercolor paint in tubes (not student grade) in the following colors:

one cool yellow (Lemon Yellow or Winsor Yellow)

one warm yellow (Indian Yellow or Yellow Orange or New Gamboge or Yellow Ochre)

one cool red (Alizarin or Permanent Rose)

one warm red (Cadmium Scarlet or Cadmium Red)

one greenish blue (Phthalo blue or Winsor blue)

one reddish blue (French Ultramarine Blue or Ultramarine Blue)

one brown (Burnt Sienna)

you may also bring any of the following optional but useful colors:

Raw Sienna , Quinacridone Gold, Cobalt Blue, Cerulean or Manganese Blue, Permanent Magenta, Phthalo Green (very useful for mixing blacks) or Viridian Green

- **watercolor brushes**

two soft round Kolinsky Sable brushes - a #5 or 6 and a #10 or 12

two flat brushes - a 1 1/2 inch soft wash brush (Winsor & Newton series 965 is good) and a 1/4 inch flat synthetic brush

other sizes are optional

- **a misting bottle**
- **paper towels**
- **artist tape or masking tape**
- **water jar or other container for rinsing brushes**
- **2B and 6B pencils**
- **inexpensive sketchbook** (for planning paintings and testing colors)
- **kneaded eraser**
- **watercolor palette** (get one with a lid, separate sections for paint and at least one or two sizable paint mixing areas)
- **small plastic cups or a muffin tin for mixing washes**

You should be able to find these items at Pearl Paints on Mass Ave. in Central Square (there is another art supply store right across the street from Pearl Paints) or check online at the following places:

www.aswexpress.com

www.cheapjoes.com

www.dickblick.com

www.utrecht.com

www.danielsmith.com

You can call me if you have any questions

Nan Rumpf 781-237-6318

WCC 10 103 – Introduction to Ink Brush Painting Workshop

Instructor: Nan Rumpf

Spend an afternoon exploring ink brush painting with **Nan Rumpf** in this workshop designed for adults who would like to learn to interpret plant forms with brush and ink. Try to capture the essence of different plants and flowers using expressive gestural strokes based on Asian ink brush painting traditions. Learn new skills or brush up on your old skills. This class can be helpful to watercolor artists as it can expand your repertoire of brushstrokes. It can also provide a useful transition step between drawing and painting.

Materials List

Please bring the following materials to class:

Bottle of liquid black ink

Sumi type or Best Bottle or Chung Hwa Ink

Unsize rice paper

Sumi or Shuen type sheets or rolls

2 good quality oriental-style brushes

1 medium size (Orchid/Bamboo or Flower/Bird)

1 small - (Happy Dot or Best Detail) - see information below

A roll of paper towels

3 or 4 small ceramic white saucers or bowls or a ceramic dish with several sections

(for mixing ink and colors)

Jar for rinse water

Bath towel-sized section of felt or old thin bath towel

*** Brush painting ink is permanent so wear old clothes or black clothes to class or bring a smock ***

The following items can be ordered from Oriental Art Supply (1-800-969-4471; www.orientalartsupply.com)

Best Detail brush (H1A) - good small brush - costs about \$3.00

Happy Dot brush (H1C)-very good small brush - costs about \$10.00

Quality Brush Flower/Bird (C2A)- a medium size all purpose brush - costs about \$8.50

Orchid Bamboo (H2C) a very good brush - costs about \$19.00

Chung Hwa Ink (112) practice ink - costs about \$6.50

Best Bottle ink (104) good quality ink - costs about \$12

48 cut practice sheets double shuen (PO3B) - costs about \$6

practice roll (P03) - costs about \$6.00

You should also be able to obtain some of these items at the following places:

www.dickblick.com www.danielsmith.com www.cheapjoes.com

You can also find some of these items at the
Heetan Trading Book Store; 214 Lincoln Street; Boston
and
the Art Supply store in Central Square

The instructor will have some supplies available for purchase at the workshop.

WCC 10 201, 202, and 203 – Experienced Watercolor Painting & Landscape in Spring

Instructor: Susan Swinand

Susan Swinand offers this course for you if you have prior watercolor experience. Basics – drawing, color theory, design and technical skills – are always an important part of the class; you will also be encouraged to discover your own vision and means. Group critiques develop critical and analytical skills while trying to determine why a painting works or how it might be improved. With the opportunity for prolonged, intense observation in the Ferguson Greenhouses, you will heighten your awareness and ability to see and discover a personal language of form and color.

*** = very important ** = important * = nice to have

Paper: *** A spiral watercolor paper pad, (11"x15" or larger) Strathmore 400 Series or mixed sampler, Whatman or other similar brand for practice, etc.

** A few sheets (22"x30") good watercolor paper (140lb. or heavier) , like **d'Arches**, Lana or Fabriano **cold press**, (maybe you'd like to try a sheet of hot press or rough). Or a watercolor **block** is fine and very convenient if you already have it.

Brushes *** 1 # 10 or **#12 "round"**. Sable-type (soft, springy, synthetic, good point).

** 1 #40 (**large**) "round". Sable-type (soft, synthetic, springy, good point).

** small "flat" brushes (e.g. 1/2" or 1/4") **sharp, chisel edge**

* 1 inch or 1.5" (wide)"flat" or "bright". Sable-like (soft, synthetic, springy, **sharp chisel edge**).
An old acrylic or oil brush with stiff bristles and a small flat tip for lifting.

Paints A set of tube watercolors, or a good pan set if you already have it. Or you may buy the tubes individually. Some good brands are Winsor Newton, Schminke, Rowney.

Colors: **Reds:** *** **Permanent Alizarin Crimson** or Permanent Rose Madder, (cool reds)

*** **Vermilion** or Cadmium Red (hot)

Carmine, Windsor Red (primary reds), (in the middle)

** **Cadmium Orange**

Yellows: ** Cadmium Yellow Light or Lemon Yellow (cool yellows)

*** **Yellow Ochre** or Raw Sienna, Quinacridone Gold (warm)

** Windsor Yellow (primary yellow) or **Cadmium Yellow** (in the middle)

*** **Naples Yellow** (warm, creamy and opaque)

** **Viridian Green** or Thalo Green (cool greens)

Hookers Green or Sap Green (warmer) (staining)

Blues: *** **Prussian Blue** or Thalo Blue (very intense)

** **Cerulean Blue** or Manganese Blue (toward yellow)

*** **Ultramarine** (toward red)

*** **Cobalt Blue** or Windsor Blue (primary) (in the middle)

* Ultramarine Violet, (Mauve or Violet usually fugitive)

*** **Burnt Sienna, and Burnt Umber**

Ivory or Lamp Black

Chinese White or White Gouache (Opaque)

Permanent Rose
aureolin yellow
& cobalt blue also
make a good
primary palette.

Miscellaneous: medium **pencil**, soft white (Mars Plastic) **eraser**, stiff round-tip palette knife, single edge razor blade, sponge, masking fluid, sand paper, salt, wax, **masking tape**, **drawing board** - about 18"x24". May be plywood, homosote, masonite. It is nice to make a few drawing boards out of cardboard or gatorboard so that you can have several pieces taped up at once. A white porcelain plate or plastic **palette to hold your colors and to mix the color on**, if not with your set. I recommend the Robert E. Wood Palette or a similar style with a cover. Sealable water bottle to fill containers in the field. Soft paper towel. More adventurous students may want to have some dry, abrasive media available, like pastel, charcoal, cray pas, etc. to add interest and texture.

Where to buy: The items listed above can be purchased at **Utrecht Art Supply** across from Symphony Hall on Mass Ave. (1-800-257-1108) or **Pearl Paint** in Cambridge. You can order from their catalogues or use their web sites. Other discount catalogues are Jerry's Artarama at 1-800-U-Artist, or Daniel Smith, (1-800-426-6740). Cheap Joe's, etc. The #40 brush at Utrecht is about \$15 and a decent # 12 is about \$4.