



Classes
and Programs
at Phipps

GROW

DISCOVER

*The Secret to
Perfect Hydrangeas*

PREPARE

Your Garden for Spring

COOK

Fresh, Delicious Sauces

JANUARY–APRIL 2019



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ASK DR. PHIPPS GARDENING TIPS

drphipps@phipps.conservatory.org
412/665-2364

CONNECT

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Our Mission

To inspire and educate all with the beauty and importance of plants; to advance sustainability and promote human and environmental well-being through action and research; and to celebrate our historic glasshouse.

CONTACT

Phipps Education Department
412/441-4442, ext. 3925
edu@phipps.conservatory.org

PHIPPS CONSERVATORY AND BOTANICAL GARDENS

One Schenley Park, Pittsburgh, PA 15213
412/622-6914

HOURS

Monday–Thursday and
Saturday–Sunday: 9:30 a.m.–5 p.m.
Friday: 9:30 a.m.–10 p.m.

WINTER HOURS

Fri., Nov. 23–Sun., Jan. 6
Open daily 9:30 a.m.–11 p.m.
Please note that Phipps will close at 5 p.m. on
Mon., Dec. 24 and will be closed Tues., Dec. 25.

ADMISSION

Members | Free
Adults | \$17.95
Seniors and students | \$16.95
Children 2–18 | \$11.95
Children under 2 | Free

PHIPPS GARDEN CENTER

1059 Shady Ave., Pittsburgh, PA 15232
412/441-4442

HOURS

The Shop in the Park
Tuesday–Saturday: 11 a.m.–4 p.m.

LIBRARY

Monday–Thursday: 10 a.m.–9 p.m.
Friday–Saturday: 10 a.m.–4 p.m.

CREDITS

Editor: Jenna Bodnar
Designer: Randie Snow Design
Cover Photo © Phil Johnson II
variegated century plant (*Agave americana*
var. *marginata*)
Table of Contents Photo © Paul g. Wiegman
orchid (*Phalaenopsis*, unknown cultivar)
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 Grow is printed with plant-based inks on
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Let Your Inspiration Grow!

Phipps Conservatory and Botanical Gardens is excited to offer a diverse assortment of specialized classes for students of all levels and interests. All of our instructors are accomplished in their fields and provide a friendly, welcoming and relaxing environment for you to learn and realize your full potential.

For more details about our programs or to receive personalized class recommendations from our helpful staff, please feel free to contact us at **412/441-4442, ext. 3925** or **edu@phipps.conservatory.org**.

Please remember to register early as most classes have capacity limitations.

WEATHER HOTLINE

In the event of inclement weather, call **412/441-4442, ext. 3200** to receive information on the status of classes. A message will be available after 8 a.m. for morning sessions and after 4 p.m. for evening sessions.

GIFT CERTIFICATES

Education gift certificates are perfect for holidays, birthdays, graduations and anniversaries. They are available in any amount and can be mailed to you or the recipient. For more information, please call **412/441-4442, ext. 6305**.

CERTIFICATE PROGRAMS (P. 2–15)

Phipps' certificate programs offer an extensive course of study for those who wish to work toward an advanced level within a continuing education format. These classes are open to everyone and can either be taken as stand-alone classes or combined to earn a certificate of achievement. There is no separate enrollment for the certificate programs. Simply sign up for classes and, starting with the first one, we will keep records of all courses that you complete.

NON-CERTIFICATE CLASSES (P. 16–23)

Home gardeners, hobbyists, nature lovers, working professionals and the plant-curious—our classes are designed for you! Browse our stand-alone offerings to explore a whole new world of possibilities.

Attendance Policy

Attendance at all class sessions is strongly encouraged. In order to receive a certificate of completion for a class, you must attend 75% or more of the class sessions. You may attend missed sessions the next time a class is offered; however, you are responsible for all material fees unless Phipps is notified of planned absences 48 hours before the class.

To register, learn more or obtain additional certificate program guidelines, please visit phipps.conservatory.org or call 412/441-4442, ext. 3925.

To attend an adult education class, you must be at least 18 or accompanied by a guardian.

Sustainable Horticulture

The Sustainable Horticulture Certificate program consists of core courses that include Basic and Advanced Horticulture, Soils, Diagnosing Plant Problems, and Botany for Gardeners. You will learn the best management practices necessary for gardening with minimal ecological impact, and how to protect soil health, water resources and air quality. You can choose from a series of electives that will enhance your understanding of sustainable practices. Learn how to use the land properly and create aesthetically pleasing gardens.

Landscape and Garden Design

The Landscape and Garden Design Certificate program prepares you to apply basic design principles and techniques to create attractive, environmentally responsible landscapes. Using graphic skills and plant knowledge, you will work through the design process to develop a finished presentation plan.

Native Plant Landscapes

In the Native Plant Landscapes Certificate program, you will take a series of courses designed to help you appreciate and use native plants, discover the importance of habitats and ecosystems, and explore how native plants can fit into your gardens.

Floral Design

The Floral Design Certificate program offers the most extensive course of study available in the region, covering all aspects of floral design. In each class, you will learn the history and progression of floral design so that you understand how and why arrangements are done in a particular way. You will also build a strong foundation for enhancing your own creativity.

Botanical Art and Illustration

In the Botanical Art and Illustration Certificate program, you will learn how to draw botanical subjects with scientific accuracy, artistry and mastery of technical methods. Using a basic knowledge of plant morphology, you will develop the skills you need to document plants in intricate detail. This program is designed for students who are interested in pursuing art for pleasure, and you can choose between two concentrations: watercolor or colored pencil. Both beginners and seasoned artists are welcome.

Certificate Programs

Photo © Phil Johnson II
tree fern (*Cyathea* sp.)



CERTIFICATE CLASSES

Sustainable Horticulture, Landscape and Garden Design, and Native Plant Landscapes



Photo © Phil Johnson II
blue daisy (*Felicia*)

LANDSCAPE GRAPHICS | Michele McCann

Mondays: Jan. 14, 21 and 28, Feb. 4, 11 and 18 (Snow date: Feb. 25) OR
March 4, 11, 18 and 25, April 1 and 8 (Snow date: April 15) | 7–9 p.m.
\$205 members | \$235 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to use basic freehand and drafting techniques to produce legible drawings of landscapes

Level: Beginner to intermediate

Prerequisite: This course is the prerequisite to Landscape Design I–IV

In the field, designers rely on graphics to develop and communicate ideas. Working with pencil, practice freehand and mechanical drawing techniques while learning about lettering, sheet layout, title blocks, concept drawing, colored renderings and presentation plan graphics. *Landscape and Garden Design Certificate core course*

HARDSCAPE IN DESIGN | Colleen Ramsay Hoesch and Sara Thompson, LA

Wednesdays: Feb. 13, 20 and 27 (Snow date: March 6) | 7–9 p.m.
\$66 members | \$76 nonmembers
Phipps Garden Center in Mellon Park

Objective: To use hardscape effectively as an integral part of a landscape design

Level: Beginner to intermediate

Prerequisite: None

Suggested Text: *Walks, Walls and Patios: Plan, Design and Build* by the editors of Creative Homeowner® (available for purchase online)

Hardscape defines a space and adds dimension and ornamentation, so it must be considered in the overall design process. Learn the basics of material selection, construction and drainage, as well as tips for working with contractors. *Landscape and Garden Design Certificate core course*

SEED STARTING | Linda Kramer

Tues., March 19 (Snow date: March 26) | 7–9 p.m.
\$22 members | \$27 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to successfully start seeds at home

Level: Beginner

Prerequisite: None

Learn the steps to successfully start seeds and transplant them. Discuss heirloom and hybrid qualities and gain the confidence to successfully start seeds at home for spring. *Sustainable Horticulture and Native Plant Landscapes elective*

SOIL ECOLOGY | Walter Jarosh

Tuesdays: March 26, April 2, 9 and 16 | 7–9 p.m.
\$88 members | \$98 nonmembers
Phipps Garden Center in Mellon Park

Objective: To understand soil's role in the garden and to learn to modify it for successful gardening

Level: Beginner to intermediate

Prerequisite: None

Healthy soil and the beneficial bacteria, fungi and other microorganisms it harbors provide the foundation for optimal plant growth and development. Learn about the physical properties of soils, best management practices, and soil tests and fertilizers. *Sustainable Horticulture, Landscape and Garden Design, and Native Plant Landscapes Certificate core course*

To learn about the availability of PCH and LA CES credits,
please inquire at 412/441-4442, ext. 3925.

Events and Announcements

Photo © Paul g. Wiegman



LANDSCAPE DESIGN II: PRINCIPLES OF DESIGN

Acadia Klain

Thursdays: April 4, 11 and 18 | 7–9 p.m.
Field trip: Thurs., April 25 | 6–8 p.m.
\$110 members | \$130 nonmembers
Phipps Garden Center in Mellon Park

Objective: To understand and begin to apply the principles of aesthetics and design — including form, scale, rhythm, axis, color and texture — to landscapes

Level: Beginner to intermediate

Prerequisite: Landscape Graphics, Landscape Design I

Learn design principles in both two and three dimensions and reinforce your knowledge with exercises. Analyze the use of these design concepts in landscapes by examining slides, photos and magazines, and participating in a field trip. *Landscape and Garden Design Certificate core course*

HISTORY OF CHINESE AND JAPANESE GARDENS | Joshua Beblo

Mondays: April 8, 15 and 22 | 7–9 p.m.
Field trip: Sat., April 27 | Time will be announced in class
\$88 members | \$98 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be conversant in the history and design elements of Chinese and Japanese gardens

Level: Beginner to intermediate

Prerequisite: None

Chinese and Japanese gardens are designed to connect with nature on a spiritual level, providing tranquility and subtle beauty. Examine these two distinct styles of Asian gardens through design theories, religious beliefs, symbolism and natural building materials. Survey many authentic examples through images, plans and readings, and learn various methods and techniques to include these elements in the home landscape. Venture outside of the classroom on a field trip on Sat., April 27. Travel will be required; details will be announced in class. *Sustainable Horticulture and Landscape and Garden Design Certificate elective*

FRAGRANT PLANTS FOR THE LANDSCAPE | Leslie Kaplan

Wed., April 10 | 7–9 p.m.
\$22 members | \$27 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to use a wide variety of fragrant plants effectively in the home landscape

Prerequisite: None

Level: Beginner to intermediate

Learn about the plants suitable for our area that can take your garden's impact to the next level with fragrance. *Sustainable Horticulture and Landscape and Garden Design Certificate elective*

HYDRANGEAS | Leslie Kaplan

Tues., April 23 | 7–9 p.m.
\$22 members | \$27 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to effectively select, plant, prune and care for hydrangeas

Prerequisite: None

Level: Beginner to intermediate

Discover how easy it is to have hydrangea blooms all summer long! Learn when to prune and how to get that amazing pink, blue or purple color. We will cover the following topics: culture, pruning, use in your landscape, new varieties and unusual cultivars. *Sustainable Horticulture and Landscape and Garden Design Certificate elective*

Photo © Paul g. Wiegman
hydrangea (*Hydrangea macrophylla* 'Florist's Blue')



PHIPPS SUSTAINABLE LANDSCARE ACCREDITATION TRAINING

Feb. 12–15 | 8 a.m. – 4:30 p.m.
Phipps Conservatory and Botanical Gardens,
Botany Hall Auditorium
\$475 on or before Mon., Jan. 14;
\$525 after Mon., Jan. 14

Additional attendees from the same business receive a 50% discount. Partial scholarships are available for staff of environmental or gardening nonprofit organizations, K–12 school staff involved with keeping the grounds, and government officials.

This intensive training is designed for landscape and lawncare professionals looking to distinguish themselves as true sustainable practitioners. Modeled after the NOFA Organic Landcare Program in Connecticut, this program is led by their experienced trainers and supplemented by local experts to provide regional context. Courses are built around NOFA's Organic Landcare Standards, and cover topics such as soil ecology; site analysis and design; organic pest, weed and disease control; storm water management; invasive plants and more. The registration fee includes catered lunches and the textbook. To review the standards and instructor bios, visit phipps.conservatory.org/landcare.

MOVIE NIGHT! FIVE SEASONS: THE GARDENS OF PIET OUDOLF

Fri., April 5
7:15–8:45 p.m.
\$12 members | \$14 nonmembers
Phipps Conservatory and Botanical Gardens,
Botany Hall Auditorium

Join us for a viewing of *Five Seasons: The Gardens of Piet Oudolf*, an immersive and meditative documentary that reveals how the revolutionary landscape designer Piet Oudolf upends our conventional notions of nature, public space and, ultimately, beauty itself. Register at phipps.conservatory.org/fiveseasons

REGISTER EARLY!

GREAT PLANT AUCTION

Fri., May 3 | 6–9:30 p.m.
\$30 members | \$35 nonmembers
Phipps Garden Center in Mellon Park

On Fri., May 3, the Garden Center transforms into an auction house where plant lovers can bid on unique varieties of trees, shrubs and perennials, as well as garden accessories. Benefiting Phipps' education programs, this popular annual sale is supported by local garden centers, businesses, specialty mail order nurseries, garden clubs and individuals. Admission includes wine and hors d'oeuvres. Reservations are required; R.S.V.P. by calling **412/441-4442, ext. 3925** or online at phipps.conservatory.org.

BECOME A PHIPPS MASTER GARDENER

We are now accepting applications for the 2019 Phipps Master Gardener Program! Applications are due Wed., Jan. 16, 2019. Classes will take place on Thursday evening from 6:30–9 p.m. starting in March.

To learn more and apply, please visit phipps.conservatory.org/volunteer or call **412/441-4442, ext. 3925**.



Photo © Paul g. Wiegman
pansy (*Viola x wittrockiana* 'Matrix Blue Blotch')



CERTIFICATE CLASSES

Floral Design

Photo © Chase Images

BASIC FLORAL DESIGN: AN INTRODUCTION TO WESTERN GEOMETRIC ARRANGING | Rose Grealish, CFD

Wednesdays: Jan. 16, 23 and 30, Feb. 6, 13, 20 and 27, March 6 (Snow date: March 13) | 7–9 p.m.
\$176 members | \$196 nonmembers | Material fee: \$35 per session
Phipps Garden Center in Mellon Park

Objective: To be able to construct symmetrical and combination arrangements, incorporating widely accepted principles of design

Level: Beginner

Prerequisite: None

Many forms of floral arrangement are based on western geometric style. Use this as a solid foundation to learn design principles, flower conditioning and mechanical techniques. *Floral Design Certificate core course*

BRIDAL WORK | Sarah Needham

Mondays: Jan. 28, Feb. 4, 11 and 18, March 4, 11, 18 and 25 (Snow date: April 1) | 7–9 p.m.
\$176 members | \$196 nonmembers
Material fee: \$35 per session
Phipps Garden Center in Mellon Park

Objective: To be able to begin to put together arrangements for and service a wedding

Level: Intermediate

Prerequisite: Basic Floral Design or Contemporary European Design

Discover the potential of wedding arrangements, bouquets, flower preparation, basing materials and mechanical techniques and styles. Plus, learn how to pack and transport bridal work and how to set up for and service weddings. *Floral Design Certificate core course*



Photo © Melissa Moulden Photography

THE ART OF ARMILLARY | Korkey Noah Kibbey

Thursdays: Feb. 21 and 28, March 7 and 14 | 7–9 p.m.
\$88 members | \$98 nonmembers | Material fee: \$35 per session
Phipps Garden Center in Mellon Park

Objective: To be able to build armillary frameworks and marry them with fresh floral displays

Level: Intermediate

Prerequisite: Basic Floral Design

An old favorite reinvented, learn to use twigs, bamboo, grasses and wire to achieve unique floral displays featuring diverse design techniques. *Floral Design Certificate elective*

CORSAGE AND BODY FLOWERS | Rose Kocher

Tuesdays: March 5, 12, 19 and 26 | 7–9 p.m.
\$88 members | \$98 nonmembers | Material fee: \$20 per session
Phipps Garden Center in Mellon Park

Objective: To be able to create current fashion jewelry and accessories using flowers, greenery, ribbon and more

Level: Beginner to intermediate

Prerequisite: Basic Floral Design

Learn how to construct body flowers—from basic to couturier, and from traditional to more creative styles. Discover how to create boutonnieres, corsages, wristlets, floral jewelry, accessories and headpieces for special occasions using hand-wrapping and gluing techniques. *Floral Design Certificate core course*

All class floral trimmings are composted.

MONOBOTANICAL ARRANGEMENTS | Sarah Needham

Wednesdays: March 6, 13 and 20 | 7 – 9 p.m.

\$66 members | \$76 nonmembers | Material fee: \$35 per session
Phipps Garden Center in Mellon Park

Objective: To be able to arrange a design using only flowers that are closely related to one another

Level: Beginner

Prerequisite: None

Monobotanical arranging is the technique of using only plants/flowers that are closely related to one another. Learn which flowers and plants are related and how to take seemingly very different blooms and put them together for a cohesive look. *Floral Design Certificate elective*

PAVÉ FLORAL DESIGN II | Polly Berginc, AIFD

Mondays, March 11, 18 and 25 | 6:30 – 8:30 p.m.

\$66 members | \$76 nonmembers | Material fee: \$35 per session
Phipps Garden Center in Mellon Park

Objective: To be able to create artistic Pavé design compositions using more advanced techniques

Level: Intermediate

Prerequisite: Pavé Floral Design I

Building on skills and techniques developed in the basic Pavé class, explore new design concepts each week to create artistic, unique Pavé arrangements. Use parallel or angled insertions of short stemmed materials to design a low uniform composition with minimal variation in depth. *Floral Design Certificate elective*

PARISIAN WRAPPED BOUQUETS | Polly Berginc, AIFD

Mon., April 1 | 6:30 – 8:30 p.m.

\$22 members | \$27 nonmembers | Material fee: \$35
Phipps Garden Center in Mellon Park

Objective: To be able to use creative techniques for wrapping bouquets of fresh cut flowers for gifting in a beautiful presentation

Level: Beginner

Prerequisite: None

Learn techniques to arrange and wrap impressive presentation bouquets in the European way. Explore wrap materials suitable for everything from small, hand-held posies to a large presentation style bouquet. Assemble and wrap in class. *Floral Design Certificate elective*

FLORAL TABLE DÉCOR FOR ENTERTAINING | Polly Berginc, AIFD

Mondays: April 8, 15 and 22 | 6:30 – 8:30 p.m.

\$66 members | \$76 nonmembers | Material fee: \$35 per session
Phipps Garden Center in Mellon Park

Objective: To be able to design and create floral arrangements to decorate a meal or party

Level: Beginner to intermediate

Prerequisite: Basic Floral Design

Learn to effectively estimate, plan and create the perfect tablescape based on the occasion, event theme and table sizes. A selection of creative and unique table settings will use readily available containers and supplies, refreshing your ideas for future entertaining. *Floral Design Certificate elective*

Photo © Kristen Vota Photography



Photo © Phil Johnson II
pink ginger (*Alpinia purpurata*)

CERTIFICATE CLASSES

Botanical Art and Illustration

*Students in full-day classes are encouraged to pack a lunch.
A refrigerator and microwave are available on site.*

WATERCOLOR II: APPLICATIONS | Brenda Jordan

Saturdays: Jan. 12, 19 and 26 (Snow date: Feb. 16) | 9:30 a.m. – 4 p.m.

\$228 members | \$258 nonmembers (price includes specimen fee)
Phipps Garden Center in Mellon Park

Objective: To be able to create three dimensional botanical portrayals using and enhancing practices learned in Watercolor I

Level: Intermediate

Prerequisites: Botanical Drawing I and II, and Watercolor I

Build upon your knowledge from Watercolor I to learn additional techniques used in transparent watercolor. Practice manipulating watercolor using different brushes and papers, plus discover some new colors and techniques for mixing colors. Apply your new skills to studies of plant forms, including a final project that demonstrates your control of watercolor techniques for an accurate rendering of botanical forms. *Botanical Art and Illustration Certificate (Watercolor Concentration) core course*

MIXED MEDIA I AND II | Melissa Fabian

Sundays: Jan. 13 and 27 (Snow date: Feb. 3) | 9:30 a.m. – 4 p.m.
\$220 members | \$250 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to make tonal and semi-schematic drawings with pen and ink

Level: Intermediate

Prerequisite: Botanical Drawing I and II

Enhance your botanical work with various combinations of materials and techniques, such as combining watercolor with colored pencil, graphite with watercolor or colored pencil, ink with watercolor, and pastel pencil. Explore the various combinations through several small projects. *Botanical Art and Illustration Certificate elective*

BOTANICAL DRAWING I: FOUNDATIONS | Robin Menard

Saturdays: Feb. 2 and 16 and Sun., Feb. 10 (Snow date: Sat., Feb. 23) | 9:30 a.m. – 4 p.m.
\$220 members | \$250 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to accurately draw three-dimensional shapes using line and tone, and employ geometric and aerial perspective in drawing botanical subjects

Level: Beginner

Prerequisite: None

Botanical illustration differs from traditional drawing because it captures a subject with scientific accuracy through observation, form and detail. Learn to identify basic shapes in nature and use a step-by-step process to create the illusion of depth through light, shadow and perspective. *Botanical Art and Illustration Certificate core course*

COLORS OF WHITE IN COLORED PENCIL | Amy Lindenberger

Saturdays: Feb. 2 and 9 (Snow date: Sun., Feb. 10) | 9:30 a.m. – 4 p.m.
\$145 members | \$165 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to use a variety of whites in botanical art

Level: Intermediate

Prerequisite: Botanical Drawing I and II, Colored Pencil I

White flowers, berries and fungi can be challenging to portray because the colors they contain are present in such light values and dulled intensities that it can be tempting to just render them in shades of gray or brown, which can rob your composition of some of its beauty and impact. Discover several strategies with colored pencil, watercolor pencil and watercolor to create whites that are rich with beautiful nuances. *Botanical Art and Illustration Certificate elective*

DRAWING ORCHIDS | Jeanne Perrier

Saturdays: Feb. 16 and 23 and Sun., Feb. 17 (Snow date: Sun., Feb. 24) | 9:30 a.m. – 4 p.m.
\$145 members | \$165 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to complete a botanically correct illustration of a tropical orchid in colored pencil

Level: Intermediate

Prerequisite: Botanical Drawing I and II, Colored Pencil I

Study tropical orchids, create a composition and then complete it using colored pencils. Choose your orchid from the many that are available at nurseries, grocery stores or home improvement centers. Students are encouraged to study their orchid prior to the beginning of the workshop. *Botanical Art and Illustration Certificate elective*



Photo © Phil Johnson II orchid (*Cattleya*, unknown cultivar)

PEN AND INK I | Melissa Fabian

Sundays: Feb. 24, March 3 and 17 (Snow date: Sat., April 6) | 9:30 a.m. – 4 p.m.
\$220 members | \$250 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to make tonal and semi-schematic drawings with pen and ink

Level: Intermediate

Prerequisite: Botanical Drawing I and II

Beginning with the fundamentals of pen and ink techniques, learn how to use different strokes to create a compositional balance of black and white tones. *Botanical Art and Illustration Certificate core course*

COMPOSITION FOR BOTANICAL ARTISTS | Weldon Doran

Saturdays: March 2, 16 and 30 | 9:30 a.m. – 4 p.m.
\$220 members | \$250 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to arrange multiple botanical subjects to create a pleasing composition

Level: Beginner

Prerequisite: None

It is relatively simple to place just one subject on a piece of paper in a pleasing composition. Explore the option of using many images combined into one well-balanced, easily read single image. Learn traditional composition principles, such as how to place images on the page, and how to balance positive and negative space, light and dark, and textured and smooth areas. Plus, discover how image placement can indicate emotion, action, height or size. You will use your own images for in-class exercises. *Botanical Art and Illustration Certificate core course*

FOUND OBJECTS IN EGG TEMPERA | Visiting Artist Kelly Leahy Radding

March 8–10 | 9:30 a.m. – 4 p.m.
\$298 members | \$338 nonmembers (includes specialty supply fee)
Phipps Garden Center in Mellon Park

Objective: To be able to do egg tempera painting on paper, vellum and/or board

Level: Intermediate to advanced

Prerequisite: Botanical Drawing I and II, Watercolor I (or equivalent experience)

Explore the historical medium of egg tempera while painting little treasures, such as feathers, shells, nuts, dried seedpods, leaves and insects. Egg tempera is an ancient medium mentioned by Pliny and used by the Italians long after northern European artists turned to oils. Egg tempera is extremely well suited to painting the fine details of natural history subjects. Its translucent nature allows for rich and varied color effects of layering paint, including glazing (thin transparent layers of color) and scumbling (over-painting with a thin layer of opaque paint). With an emphasis on composition, learn how to create a brilliantly colored, luminescent painting of multiple objects using the traditional method of combining pigment and egg emulsion. *Botanical Art and Illustration Certificate elective*



Photo © Kelly Leahy Radding *Fritillaria meleagris*

BOTANICAL DRAWING II: VOLUME, TEXTURE AND DETAILS | Robin Menard

Sun., March 17 and Saturdays: March 30 and April 6 (Snow date: Sat., April 13) | 9:30 a.m. – 4 p.m.
\$220 members | \$250 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to apply skills gained in Botanical Drawing I to accurately capture various plant forms, details and textures that are unique to the subject

Level: Intermediate

Prerequisite: Botanical Drawing I

Continue to develop your observation and drawing skills to accurately render leaves, stems, roots and flowers in varying positions, capturing details and textures unique to the botanical subject. *Botanical Art and Illustration Certificate core course*

PHIPPS FLORA PROJECT: AN ALPHABET OF NATIVE PLANTS IN SOUTHWESTERN PENNSYLVANIA | Robin Menard

Student orientation: Sun., March 31 | 10 a.m. – noon
Botanical lecture: Sun., March 31 | 1 – 3 p.m. | Jeanne Poremski
Hunt Institute visit: Sun., June 9 | 1:30 – 3:30 p.m.
Guided open studios: Sundays: July 14, Aug. 11, Sept. 15, Oct. 13 and Nov. 10
\$135 members | \$155 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to create a botanical illustration from the beginning to end

Level: Intermediate to advanced

Prerequisites: Botanical Drawing I and II, Watercolor I or Colored Pencil I

Learn how to research and produce a beautiful and accurate painting of a native plant. In this long-term collaborative project, create a watercolor or colored pencil painting, a copy of which will be catalogued into the Phipps' Allegheny Highlands Flora Project for future educational or marketing uses. *Botanical Art and Illustration Certificate elective*

ILLUMINATION TECHNIQUES | Christine Hutson

Thursdays: April 4, 11, 18 and 25, May 9 and 16 | 10 a.m. – 1:30 p.m.
\$220 members | \$250 nonmembers | Specialty fee: \$17 (If you attended Kandy Phillips' class, you do not need to pay for the specialty fee)
Phipps Garden Center in Mellon Park

Objective: To be familiar with a variety of illumination techniques

Level: Intermediate

Prerequisite: Watercolor I (or equivalent watercolor experience)

Discover several different styles of medieval book illumination and explore them using modern materials, including watercolors, imitation gold leaf and gold paint. We will even cover watercolor illumination on black paper. Create illuminated initial letters, as well as other decorative styles and motifs. *Botanical Art and Illustration Certificate elective*

COLORED PENCIL I: TECHNIQUES | Amy Lindenberger

Sundays: April 7 and 14 and Sat., April 27 | 9:30 a.m. – 4 p.m.
\$220 members | \$250 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to create a gradual transition of tone and color with colored pencils

Level: Intermediate

Prerequisites: Botanical Drawing I and II

Using different techniques, you can make colored pencil tones look like a drawing or a painting, providing you with the versatility to create a wide variety of surface textures. Develop your color perception and become familiar with colored pencil tools, color applications and color theory fundamentals. Learn to layer colors to achieve different hues and densities and master a variety of techniques, including burnishing, impressed line and sgraffito. *Botanical Art and Illustration Certificate core course*

DRAWING AND IDENTIFYING TREES | Melissa Fabian

Saturdays: April 13 and June 8 | 9:30 a.m. – 4 p.m.
\$145 members | \$165 nonmembers
Phipps Garden Center in Mellon Park

Objective: To be able to illustrate deciduous trees in four seasons

Level: Intermediate

Prerequisites: Botanical Drawing I and II (Foreshortening and Pen and Ink I would be helpful but are not necessary)

Creating the mass of leaves on a sugar maple or the many branches of a river birch in winter can be daunting. Sharpen your ability to illustrate local deciduous trees throughout four seasons, starting with late spring and early summer. Learn drawing techniques involving shadows, highlights, perspectives and more using various mediums, including graphite, ink, charcoal/pastel and washes. Examine tree identification keys and practice using them for further classroom/field illustration. Choose to illustrate or keep a journal of one tree throughout the four seasons. New students are welcome to participate, along with the original students from last summer and fall. *Botanical Art and Illustration Certificate elective*

POLLINATORS II | Robin Menard

Saturdays: April 27, May 4 and 18 | 9:30 a.m. – 4 p.m.
\$235 members | \$265 nonmembers (includes specimen fee)
Phipps Garden Center in Mellon Park



Objective: To be able to accurately identify and depict pollinators in your art

Level: Intermediate to advanced

Prerequisite: Botanical Drawing I and II, Colored Pencil I or Watercolor I, and Pollinators I

Apply scientific knowledge you learned in Pollinators I to carefully study and accurately illustrate butterflies and bees in their natural habitats. Add beautiful dimension to your paintings by connecting the plant or flower with the essential creatures upon which its very existence depends. *Botanical Art and Illustration Certificate elective*

VIOLETS: A NATIVE PLANT STUDY | Jeanne Perrier

May 4–5 | 9:30 a.m. – 4 p.m.
\$155 members | \$175 nonmembers (specimen fee included)
Phipps Garden Center in Mellon Park

Objective: To study different species of violets and be able to complete a botanically correct illustration of a specific violet

Level: Intermediate

Prerequisite: Botanical Drawing I and II, Colored Pencil I

Study the general characteristics of the genus *Viola* and the distinguishing characteristics of different species. Then, choose a specific type of violet and work out its composition to complete a botanically correct rendering of your violet of choice. *Botanical Art and Illustration Certificate elective*



Photo © Phil Johnson II
sweet alyssum (*Lobularia maritima*, unknown cultivar)

NON-CERTIFICATE CLASSES

Gardening and Botanical Crafts

SOLVING MORE PHOTOGRAPHIC PROBLEMS | Bob Egan

Saturdays: Feb. 2, 9, 16 and 23 (Snow date: March 2) | 9:30 a.m. – 12:30 p.m.
\$150 members | \$170 nonmembers
Phipps Conservatory and Botanical Gardens, Botany Hall Auditorium

Level: Intermediate to advanced

Learn how to overcome obstacles to capture the image you have pre-visualized. Discover strategies to help you plan the solution, determine required lighting, be in the right spot at the right time, have the necessary equipment on hand, adjust camera settings, capture the image and apply any intended post-processing to produce the final image.

HANDMADE VALENTINES | Katy Dement

Mon., Feb. 4 (Snow date: Feb. 11) | 7–9 p.m.
\$20 members | \$25 nonmembers | Material fee: \$5
Phipps Garden Center in Mellon Park

Level: Beginner to intermediate

Use cotton and other plants to make sheets of paper by hand. Then, incorporate pressed and dried flowers, ferns, fibers and vintage ephemera—including old valentines—to spontaneously create a delightful wet-on-wet collage for someone very special.

TOOL SELECTION AND MAINTENANCE | Laura Schoch, Phipps Display Horticulturist

Sat., Feb. 23 | 10–11:30 a.m.
\$25 members | \$30 nonmembers
Production Greenhouse at Phipps Conservatory and Botanical Gardens,
meet in Welcome Center

Level: Beginner

Professional gardeners learn how to take care of their own tools. Why shouldn't home gardeners? Dull, unmanaged tools can lead to hand fatigue and pain. Sharpen your skills (pun intended), and learn tool selection, general maintenance, sharpening, cleaning and conditioning of basic tools, such as shovels and trowels. Also, learn how to maintain another set of tools—your hands. Keep your hands in top gardening condition with exercises you learn in this class. Bring your pruners.

INTRODUCTION TO ORCHID CARE | Tim Choltco



Photo © Phil Johnson II
orchid (*Dendrobium*, unknown cultivar)

Thurs., March 28 | 7–9 p.m.
\$20 members | \$25 nonmembers
Orchid fee: \$30 (optional)
Phipps Garden Center in Mellon Park

Level: Beginner

Learn all about home orchid care, discuss common varieties and discover their histories. Register by Thurs., March 14 and you may choose to purchase your own *Phalaenopsis* grown locally by Bidwell Training Center.

INTRODUCTION TO GARDEN CARE | Linda Roos

Wednesdays: April 3, 10 and 17 | 7–9 p.m.
\$60 members | \$70 nonmembers
Phipps Garden Center in Mellon Park

Level: Beginner

Calling all novice gardeners! Feel confident creating and maintaining a beautiful home landscape. With an emphasis on sustainable practices, learn about soil preparation, plant selection, proper planting techniques, maintenance, and insect and disease control for both vegetable and ornamental gardens. Also, thoroughly review perennials, trees and shrubs that are hardy to this region and create a visually-pleasing and environmentally-friendly garden.

CATCH THE SUN MOSAICS | Daviea Davis

Thurs., April 11 | 7–9 p.m.
\$20 members | \$25 nonmembers | Material fee: \$7
Phipps Garden Center in Mellon Park

Level: Beginner

Create your own spring-themed 8" × 12" sun catchers using tumbled stained glass pieces as you learn more about this ancient mosaic art form in a fun, casual way.

HORTICULTURAL TOUR OF FALLINGWATER | Ann Talarek

Tues., April 30 (Rain date: May 14) | 10:30 a.m. – 12:30 p.m.
\$40 members | \$45 nonmembers
Meet in the Fallingwater Admission Pavilion

Level: Beginner

Few visitors take the opportunity to enjoy the stunning natural surroundings of this iconic house. Join Phipps for a special landscape tour led by Fallingwater's horticulturist, focusing on the historic landscape that surrounds the house. Trillium, bluebells, lady slipper orchids and woodland violets are just a few of the native woodland flowers in bloom that you'll see on the hike. Also, get unique insight on the cultural landscape of Fallingwater as well as stunning views of the Youghiogheny River and Bear Run. If you are interested in house tours afterwards, please arrange directly with the Fallingwater ticketing office.

WILDFLOWER TRAIL HIKE | Cyndi Fink

Sat., May 4 (Rain date: May 18) | 1–4 p.m.
\$30 members | \$35 nonmembers
Raccoon Creek State Park

Level: Beginner

Raccoon Creek State Park is home to a 314-acre wildflower reserve that contains one of the most diverse stands of wildflowers in western Pennsylvania. Join us at the peak of spring wildflower season for a walk along the trails in the reserve and learn about the plants that call this place home. Travel through a variety of habitats, including oak-hickory forest, pine plantations, woodland meadows and flood plain forest. The hike is approximately one—two miles long and takes about two hours, with some steep, uneven or muddy trail conditions. Pets are not allowed in the reserve. Detailed directions are provided upon registration.

Spring Garden Planning Series

Level: Beginner

Sign up for all five classes and receive \$10 off registration! (\$95 members | \$120 nonmembers)

PLANNING YOUR RAIN GARDEN | Sara Madden

Wed., March 6 (Snow date: Tues., March 12) | 7–9 p.m.

\$20 members | \$25 nonmembers

Phipps Garden Center in Mellon Park

Rainwater can be a blessing and a curse. When it falls too heavily, we can experience localized flooding and overburden our storm water system, creating environmental issues. Well-designed rain gardens help to hold and infiltrate storm water into the ground, and add a beautiful element to your home landscape. Learn about siting, designing and constructing rain gardens from a designer who has overseen rain garden projects across our region.

PLANNING YOUR HERB GARDEN | Andrea Jackson

Tues., April 2 | 7–9 p.m.

\$20 members | \$25 nonmembers

Phipps Garden Center in Mellon Park

When considering starting an herb garden, it can be hard to know where to begin. Demystify the process, learn about site selection and preparation, and discover how to select herbs that will suit your needs. Along the way, pick up life-enhancing tips about how to use the herbs you have planted. Beware—once you have decided to plant an herb garden, you will be hooked for life!

PLANNING YOUR RAISED BED VEGETABLE GARDEN | Mike Bechtel

Mon., April 8 | 6:30–8:30 p.m.

\$20 members | \$25 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Auditorium and the Rooftop Edible Garden

Raised beds offer a number of advantages over in-ground gardens. Explore the range of materials you can use to build and fill raised beds, learn strategies for getting the most yield, and discover accessories that can be added to beds to help extend the season and ward off pests. Also, take an inspiration-gathering guided tour of Phipps' raised bed vegetable garden.

PLANNING YOUR MEDICINAL HERB GARDEN | Jessica Graves, Una Biologicals

Thurs., April 18 | 7–9 p.m.

\$20 members | \$30 nonmembers | Material fee: \$5

Phipps Garden Center in Mellon Park

Join Una Biologicals to learn about planning a medicinal herb garden, including identifying which plants are best for you, as well as simple garden design and plant care.

PLANNING YOUR BIRD AND POLLINATOR GARDEN | Ryan Gott

Wed., April 24 | 6:30–8:30 p.m.

\$20 members | \$25 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Auditorium and the Discovery Garden

Gardens can benefit creatures beyond just humans. Plants provide resources to our native birds, pollinating insects and other animals. This course will introduce the benefits of wildlife gardening for both animals and humans and discuss some of the native perennial plants that can be used to attract and support birds and pollinators. The class will include a walk at Phipps to see some of these plants in person.



Photo © Phil Johnson II
Japanese garden juniper, bonsai (Juniperus procumbens)

Bonsai Workshops

Master the ancient art of bonsai in our hands-on workshops, and learn the horticultural techniques of styling, wiring, potting and root pruning. Style your own tree and take it home to build your collection. All classes are suitable for beginners. Materials are provided, but bring a pair of hand pruners if you have them. Class size is limited.

Level: Beginner

BEGINNING BONSAI: JUNIPER | Dr. Norbert Pietrzak

Saturdays: March 2 OR 30 | 10 a.m. – noon

\$25 members | \$30 nonmembers | Material fee: \$45

Phipps Garden Center in Mellon Park

BEGINNING BONSAI: JUNIPER | Kevin Haughey

Saturdays: March 9 OR April 27 | 10 a.m. – noon

\$25 members | \$30 nonmembers | Material fee: \$45

Phipps Garden Center in Mellon Park

TROPICAL BONSAI: BOUGAINVILLEA | Dr. Norbert Pietrzak

Sat., March 16 | 10 a.m. – noon

\$25 members | \$30 nonmembers | Material fee: \$45

Phipps Garden Center in Mellon Park

INTENSIVE BEGINNING BONSAI: JUNIPER | Bob Dietz

Sat., April 13 | 9:30 a.m. – 12:30 p.m.

\$35 members | \$40 nonmembers | Material fee: \$45

Phipps Garden Center in Mellon Park

TROPICAL BONSAI: ORIENTAL FIG | Dr. Norbert Pietrzak

Sat., May 18 | 10 a.m. – noon

\$25 members | \$30 nonmembers | Material fee: \$45

Phipps Garden Center in Mellon Park

Register Today!

Online registration is available. Please visit phipps.conservatory.org and select the “Classes and Programs” link to sign up!

Photo © Paul G. Wiegman





Photo © Phil Johnson II
coppertreat (Acalypha wilkesiana)



Photo © Brian Cohen

NON-CERTIFICATE CLASSES

Green and Healthy Living

BACKYARD COMPOSTING | Nancy Martin

Tues., March 5 | 7–8:30 p.m.
\$70 per person | \$75 per couple
Phipps Garden Center in Mellon Park

Organic materials often considered waste—such as grass clippings, food scraps, autumn leaves and paper—can be turned into a rich soil conditioner with valuable plant nutrients through the natural process of decomposition. Learn about the importance of composting, and learn how to set up a compost pile, properly maintain it and use the finished product. You will receive a FreeGarden EARTH compost bin, an 82-gallon receptacle that is an ideal choice for urban and suburban areas. This workshop is hosted by the Pennsylvania Resources Council. To register, visit <http://prc.org/programs/conservation-workshops/backyard>, or call **412/488-7490, ext. 247**. Price includes one compost unit per registration. Pre-registration is required.

WATERSHED AWARENESS/ RAIN BARREL WORKSHOP | Nancy Martin

Wed., April 17 | 7–8:30 p.m.
\$80 per person | \$85 per couple
Phipps Garden Center in Mellon Park

Harvesting rainwater can save money, benefits water quality in our region and makes good sense for backyards and gardens. Learn why rain barrels are especially important in Allegheny County, how to live on the land in a way that protects our waterways, how to install a rain barrel, and how to best store and use rainwater. You will receive a 55-gallon FreeGarden rain barrel. Designed with the homeowner/gardener in mind, it is affordable, attractive, easy to move and easy to install. This workshop is hosted by the Pennsylvania Resources Council. To register, visit <http://prc.org/programs/conservation-workshops/watershed-rain-barrels/> or call **412/488-7490, ext. 247**. Pre-registration is required.

NON-CERTIFICATE CLASSES

Culinary Arts

Join us in our newly renovated, state-of-the-art Botany Hall Kitchen for exciting culinary arts classes! Discover new ways to prepare food that is good for you and the planet in our innovative kitchen and classroom setting. Please note that Phipps culinary arts classes use a wide variety of ingredients. **If you have a food allergy, please check with the education department at edu@phipps.conservatory.org or 412/441-4442 before registering for the class. In-class adjustments may not be possible.**

MOTHER SAUCES | Nick Gryska

Tues., Jan. 15 | 6–9 p.m.
\$65 members | \$75 nonmembers
Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Béchamel, espagnole, tomato, hollandaise, veloute—once you know the mother sauce, you can make many small sauces from them. Chef Nick Gryska will demonstrate how to make all five sauces, plus several small sauces to go along with them. Enjoy an entree to accompany each, get hands-on experience making these essential sauces and leave with all the recipes so you can make them at home. Have fun and learn a skill that will last you a lifetime.

TOUR OF ITALY: REGIONAL CUISINES | Justin Melnick

Piedmont: Wed., Jan. 16 (Snow date: Thurs., Jan. 17) | 6:30–9 p.m.
Umbria: Tues., Feb. 12 (Snow date: Wed., Feb. 13) | 6:30–9 p.m.
Tuscany: Tues., March 19 (Snow date: Wed., March 20) | 6:30–9 p.m.
Single class: \$65 members | \$75 nonmembers
Full series: \$185 members | \$205 nonmembers
Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Discover the regional cuisines of Italy and learn about the distinctive ingredients and dishes that make each area unique, including wines that are distinctive to the region. Each class is a culinary journey, featuring both chef demonstration and hands-on cooking. Sign-up for the full series or a single evening. More menu details are available online. Participants must be 21 or older.

VEGETARIAN INDIAN COOKING FROM SCRATCH

Jayashree Iyengar, *Popping Mustard Seeds*

Thursdays: Jan. 24 (Snow date: Jan. 31), Feb. 21 (Snow date: Feb. 28) and March 14 (No snow date)

Individual classes: \$65 members | \$70 nonmembers

Full series: \$180 members | \$200 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen



Jan. 24: Bhel Puri, Lemon Rice, Tomato Rasam, Green Beans, and Cucumber and Onion Raita

Feb. 21: Bainghan Bartha (mashed eggplant), Coconut Rice, Vegetable Sambar, Alu Gobi and Spinach Raita

March 14: Spiced Peanuts, Chappathi/Roti, Channa Masala and Potato Curry

Join Jayashree Iyengar as she teaches us the joy of Indian cooking. Each hands-on cooking session will include five different dishes. Expand your culinary skill set, learn new spice combinations, and bring healthy and delicious Indian cuisine into your home cooking rotation. Substitutions may occur based on availability. Dishes may vary.

FERMENTED BEVERAGES | Trevor Ring

Mondays: Feb. 4, 11 and 18 (Snow date: Feb. 25) | 6:30–8:30 p.m.

Single class: \$40 members | \$45 nonmembers

Full series: \$110 members | \$125 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Feb. 4: Wild Fermented Country Wine and Mead*

Feb. 11: Kefir, Kvass and Natural Soda

Feb. 18: Kombucha, Vinegar and Water Kefir

*Participants in this class must be 21 or older

The fermentation industry is one of the fastest growing segments of the beverage market. Explore the possibilities of fermented beverages with returning instructor Trevor Ring and understand the simple processes involved in creating delicious, bubbly and nutritional elixirs. The products discussed in this series utilize wild fermentation and starter cultures and excite the curiosity around home experimentation. The wine and mead course is meant to be a gateway into the vast realm of home-brewing, taking a DIY and experimental approach to help illustrate the simplicity and excitement around fermentation using few resources.

LOVE POTIONS AND APHRODISIACS | Jessica Graves, *Una Biologicals*

Thurs., Feb. 7 | 7–9 p.m.

\$40 members | \$45 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Step into the kitchen with Jessica Graves for a saucy class! We'll be turning up the heat as we create chocolates, elixirs and other delectable light fare—all infused with herbs known for their aphrodisiac qualities. Getting ready for Valentine's Day couldn't be more delicious!

AUTHENTIC CHINESE CUISINE AT HOME | Itha Cao, *The Hungry Cao*

Saturdays: March 2, 9, 16 and 23 | 11 a.m. – 1 p.m.

Single session: \$50 members | \$55 nonmembers

Full series: \$190 members | \$210 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Looking to add to your culinary skill set? Join Itha Cao in exploring flavors, dishes and traditions native to Chinese cuisine. Learn a variety of techniques for stir fry, dumplings and more. More menu details are available online.

FRESH PASTA FROM SCRATCH | Domenic and Caitlin Branduzzi, *Piccolo Forno* and Rosemarie Perla, *Slow Food Pittsburgh*

Mon., March 4 (Snow date: March 11) | 6:30–8:30 p.m.

\$60 members | \$70 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Teaching Kitchen

Fresh pasta can make a simple meal extraordinary and become part of the Sunday dinner

ritual. Learn from the owners of Lawrenceville's quintessential Italian restaurant Piccolo Forno how to make pasta from scratch at home and try your hand at making your own tagliatelle or spaghetti. Plus, learn tips for making homemade pasta sauce, vinaigrettes and meatballs. Enjoy a delicious family-style meal to end the night. Piccolo Forno's motto is "Fare tutto con amore"—make everything with love. Come join the fun! Registration is limited to 12, so be sure to register early.



Photo © Paul g. Wiegman

PLANT-BASED POWER BOWLS: HEARTY, HEALTHY AND SATISFYING | Sally Lipsky and Judi Carvell

Wed., March 13 OR Thurs., April 11 | 6:30–8:30 p.m.

\$40 members | \$45 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Plant-based eating is considered the healthiest way to eat—both for your body and the environment. This hands-on class includes an overview of what constitutes plant-based eating, sample shopping lists, steps for easy meal preparation, basic knife skills and recipes. Using assorted grains, legumes, vegetables and fruits, you'll learn how to prepare one-bowl meals that are easy, nourishing and flavorful.

SPRING CLEANING: SPRING TONICS AND OXYMELS | Jessica Graves, *Una Biologicals*

Thurs., March 21 | 7–9 p.m.

\$20 members | \$30 nonmembers | Material fee: \$5

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

As the crocuses appear and the birds start chirping, we're all ready to clear out those winter cobwebs and get a fresh start. Join Jessica Graves and learn how to get a kick-start on spring by creating herbal tonics and honey-based oxymels infused with nourishing herbs that will help you cleanse your system. Sample your creations in class.

GLUTEN FREE MULTIGRAIN BREAD | Ollie Pinder

Tues., March 26 | 6:30–9 p.m.

\$40 members | \$45 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Discover the joy of gluten free bread! Explore how to prepare your own gluten free flour blends using wheat- and gluten-free whole grain and seed flours. Learn about the alchemy of combining those flours to make wholesome loaves and boules. Whether you are intolerant or simply curious about the marvelous world of alternative grain breads, this introduction to gluten free bread baking is an accessible and delicious first step for the new or seasoned baker!

NON-DAIRY CHEESES AND SAUCES | Sally Lipsky and Judi Carvell

Thurs., March 28 | 6:30–8:30 p.m.

\$30 members | \$35 nonmembers | Material fee: \$5

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Discover how to make nut- and soy-based cheeses and sauces that are simple, healthy and delicious. This hands-on class includes recipes for creamy cheese-like spreads, dressings, sauces and soups. Plus, learn about the science debunking the myth that dairy is a healthy food. You'll be making and tasting several of these recipes while discussing ways to change textures and flavors.

FERMENTED COCONUT PRODUCTS | Jenneta Mammedova, *Prescription Foods*

Thurs., April 4 | 6–8 p.m.

\$40 members | \$45 nonmembers

Phipps Conservatory and Botanical Gardens, Botany Hall Kitchen

Level: Beginner

Kefir is traditionally a cultured milk beverage that gets its name from the Turkish word "keyif," which means "good feeling." There is a way to enjoy kefir that doesn't involve milk or the potentially irritating proteins typically found in milk, like casein. Coconut kefir pudding is tart, silky smooth cultured young coconut pulp with the consistency of yogurt, but without the dairy. Learn how to make both delicious treats in this class.



Photo © Brian Cohen

Youth Educational Programs

Phipps is pleased to offer an exciting, new lineup of youth education programs this winter. Create winter landscape art, explore the colors of nature and have a kid's night out in our Botany Hall Kitchen, where fun is always on the menu! To register and learn more, visit phipps.conservatory.org/camps.

Little Sprouts

Ages 2–4
Children must be accompanied by an adult.
Mondays | 9:30–10:30 a.m. OR
11 a.m. – noon
\$15 members | \$20 nonmembers
Center for Sustainable Landscapes
Classroom

ICY EXPLORATIONS

Jan. 28
All across the Earth, water is a precious resource. Learn about the properties of water and the ways plants and animals adapt to water in its frozen form.

PINE TREES AND ME

Feb. 4
Learn all about pine trees and the important role they play in the environment.

WINTER LANDSCAPE ART

Feb. 11
Let's use natural materials from the winter landscape to create beautiful works of art.

BIRDS' BEAK BUFFET

Feb. 18
Learn about the different types of birds' beaks and the important role birds play in our environment.

BUG HOTEL

Feb. 25
Join us as we prepare to welcome guests to the bug hotel for the first day of spring at Phipps Conservatory.



Photo © Brian Cohen

Little Sprouts: Friday Fun Colors

Ages 2–4
Children must be accompanied by an adult.
Fridays | 9:30–10:30 a.m.
OR 11 a.m. – noon
\$15 members | \$20 nonmembers
Center for Sustainable Landscapes Classroom

RED WIGGLERS

Jan. 18
Explore the different shades of red in nature—from flowers and cardinals to wiggly worms.

YELLOW CENTERS

Feb. 1
Explore the centers of flowers, learn about bright buzzing bees and look for other yellow hues around Phipps Conservatory.

PURPLE PETALS

Feb. 15
Explore many shades of purple orchids and look forward to spring's hyacinths and crocuses.



Photo © Brian Cohen



Photo © Brian Cohen

Kid's Night Out: Cooking Classes

Ages 4–13
Fridays | 6–8 p.m.
\$15 members | \$20 nonmembers
Center for Sustainable Landscapes
Classroom and Botany Hall Kitchen

ICY EDIBLE GARDEN RECIPES

Jan. 25
Discover ways we can use veggies from the garden in the winter months.

CUBAN FEAST

Feb. 22
Let's learn about authentic Cuban stew and tour Tropical Forest Cuba.

FRUIT AND SPICE ROOM SNACKS

March 22
Make after-school snacks from fruits and spices harvested from the Tropical Fruit and Spice Room.

FIELD TRIPS AT PHIPPS

Phipps offers an exciting lineup of field trips and school outreach programs for school, homeschool, scout and other education groups. Programs cover a variety of topics, including **all-new Phipps to Table field trips!** Bring your class to Phipps' state-of-the-art Botany Hall Kitchen and learn how to make a healthy recipe in these hands-on, hour-long sessions. All field trips are made to order and can be customized to fit your students' needs and diets.

Join us each Saturday and Sunday in the Tropical Forest Conservatory for interactive demonstrations, activities and speakers that will deepen your connections to the beauty and wonders of nature, all free with admission! Make an origami creation, learn about orchids, meet a scientist, sample delicious healthy foods and more with Phipps' team of experts and partners. See the full schedule below to explore all Phipps has to offer and make plans to visit. Public programs are held at 1:30 p.m. except where noted.

January

HEALTHY EATING FOR KIDS

Let's Move Pittsburgh
Sat., Jan. 5 | 10:30 a.m. – 12:30 p.m.

ESSENTIAL OILS

Deb Bosco
Sat., Jan. 5 | 1–3 p.m.

FLOWER ARRANGEMENTS WITH A WINTER FLAIR

Chris Holt
Sun., Jan 6

WONDERFUL WORLD OF ORCHIDS

Demetria Marsh
Sat., Jan. 12

VANILLA ORCHIDS

Cyndi Fink
Sun., Jan. 13

MEET A SCIENTIST

Science Communications Fellows
Sat., Jan. 19 | 1:30–3:30 p.m.

WONDERFUL WORLD OF BONSAI

Dave Metzgar
Sun., Jan. 20

*This program will take place in the
Serpentine Room.*

WHAT IS AN ORCHID?

Tim Choltco
Sat., Jan. 26

ORIGAMI

Origami Club of Pittsburgh
Sun., Jan. 27 | 12:30–2:30 p.m.

February

HEALTHY EATING FOR KIDS

Let's Move Pittsburgh
Sat., Feb. 2 | 10:30 a.m. – 12:30 p.m.

ADVANCED ORCHID GROWING

Demetria Marsh
Sat., Feb. 2

BONSAI

Kevin Haughey
Sun., Feb. 3

*This program will take place in the
Serpentine Room.*

TROPICAL FOREST CUBA FESTIVAL

Sat., Feb. 9 | 11 a.m. – 3 p.m.

ORCHID REPOTTING

Tim Choltco
Sun., Feb. 10

MEET A SCIENTIST

Science Communications Fellows
Sat., Feb. 16 | 1:30–3:30 p.m.

BONSAI

Bob Dietz
Sun., Feb. 17

*This program will take place in the
Serpentine Room.*

SNEAKY SEDUCTIVE ORCHIDS

Demetria Marsh
Sat., Feb. 23

ORIGAMI

Origami Club of Pittsburgh
Sun., Feb. 24 | 12:30–2:30 p.m.

Free Public Programs

Photo © Phil Johnson II

March

HEALTHY EATING FOR KIDS

Let's Move Pittsburgh

Sat., March 2 | 10:30 a.m.–12:30 p.m.

WONDERFUL WORLD OF ORCHIDS

Demetria Marsh

Sat., March 2

BONSAI

Bob Dietz

Sun., March 3

This program will take place in the Serpentine Room.

BONSAI

Dave Metzgar

Sat., March 9

This program will take place in the Serpentine Room.

ORCHID DIVERSITY

Tim Choltco

Sun., March 10

MEET A SCIENTIST

Science Communications Fellows

Sat., March 16 | 1:30–3:30 p.m.

ESSENTIAL OILS

Deb Bosco

Sun., March 17 | 1–3 p.m.

AFRICAN VIOLETS AND GESNERIADS

Cyndi Fink

Sat., March 23

ORIGAMI

Origami Club of Pittsburgh

Sun., March 24 | 12:30–2:30 p.m.

ESSENTIAL OILS

Deb Bosco

Sat., March 30 | 1–3 p.m.

SPRING GRASS IN POTS

Lorrie Easudes

Sun., March 31

April

HEALTHY EATING FOR KIDS

Let's Move Pittsburgh

Sat., April 6 | 10:30 a.m.–12:30 p.m.

VERMICOMPOSTING

Beth Spellman

Sat., April 6

ESSENTIAL OILS

Deb Bosco

Sun., April 7 | 1–3 p.m.

HOUSEPLANTS 101: GROWING, REPOTTING, FERTILIZING

Lorrie Easudes

Sat., April 13 | 12:30–3:30 p.m.

ORIGAMI

Origami Club of Pittsburgh

Sun., April 14 | 12:30–2:30 p.m.

MEET A SCIENTIST

Science Communications Fellows

Sat., April 20 | 1:30–3:30 p.m.

SPRING FLORAL ARRANGEMENTS

Chris Holt

Sun., April 21

NATIVE SPRING PERENNIALS

Tim Choltco

Sat., April 27

ESSENTIAL OILS

Deb Bosco

Sun., April 28 | 1–3 p.m.

Register today!

To register for a class, visit phipps.conservatory.org.

Please register no later than one week before class begins.

To learn more or sign up by phone, call **412/441-4442, ext. 3925**.

ADVANCE REGISTRATION is required for all classes.

Students may register online by visiting phipps.conservatory.org

and selecting the "Classes and Programs" tab, or by calling

412/441-4442, ext. 3925. Confirmations will be sent

by email.

MINIMUM ENROLLMENT applies to all Phipps classes.

If advance enrollment does not indicate adequate interest

one week before the course is scheduled to begin, the

session will be cancelled. Class sizes may also be limited,

so be sure to register early.

PARTIAL REFUNDS will be given to any student who is

unable to attend a course and has notified staff at Phipps Garden Center at least 48 hours prior to the first class.

There is a \$10 nonrefundable administrative fee for all

course cancellations. When classes are cancelled due to

low enrollment, fees are fully refunded. Please call

412/441-4442 with questions.

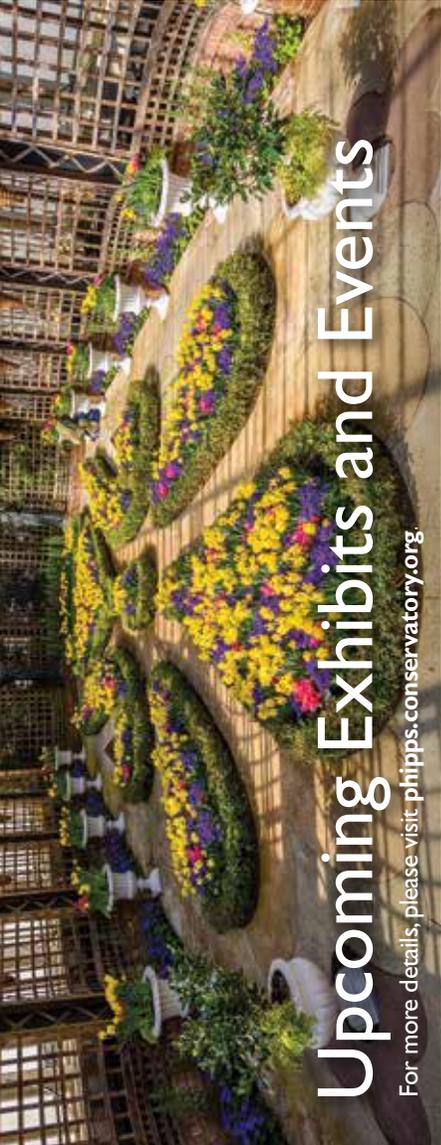
Please note: Phipps reserves the right to substitute instructors when necessary.

Photo © Phil Johnson II
coleus (*Solenostemon scutellaroides* 'Fishnet Stockings')



Phipps Conservatory and Botanical Gardens
One Schenley Park, Pittsburgh, PA 15213-3830

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Upcoming Exhibits and Events

For more details, please visit phipps.conservatory.org

ORCHID AND TROPICAL BONSAI SHOW: EYE CANDY

Sat., Jan. 12 – Sun., March 10

Be our guest for this year's Orchid and Tropical Bonsai Show and watch as Phipps is transformed with hundreds of stunning orchids and our ornate collection of tropical bonsai! With a theme of eye candy, this year's show will be a true treat for the senses, highlighting the bright colors and dazzling shapes of these two standout collections.

TROPICAL SUNDAYS

Sundays in February

No matter the temperatures outside, it's always tropical at Phipps! Relax under the palm trees, taste tropical fruit and receive a 50 percent discount off of regular admission for a single ticket by wearing a tropical flower shirt.

ONE HEALTH ONE PLANET™ SYMPOSIUM

March 13 – 14

Hundreds of leaders across disciplines will join together to explore the interconnectedness of human, animal and environmental health at Phipps' third annual symposium. With a theme of "One Health and the Future of Food," this year's event will focus on the human, animal and ecological impacts of food and diet, including the effects of large-scale agriculture, plant-based diets and diet trends, and antibiotics and pesticides in foods. Learn more at phipps.conservatory.org/onehealth.

SPRING FLOWER SHOW: GARDENS OF THE RAINBOW

Sat., March 23 – Sun., April 21

A celebration of new hope and inspiration arrives with our Spring Flower Show: Gardens of the Rainbow. Enjoy the splendor of spring as thousands of vibrant tulips, daffodils, hyacinths and more wash the glasshouse in a kaleidoscope of color.

Photo © Paul & Wiegman