

# Keep Growing®

SPRING 2013



CHICAGO BOTANIC GARDEN  
Member Magazine and Program Guide



# Joseph Regenstein, Jr. School

## Adult Education

An extensive schedule provides a wealth of choices; instruction by Garden staff and experts in their field ensures every class, workshop, or symposium is an exceptional learning experience.

### Garden Staffers Found Careers through the Joseph Regenstein, Jr. School of the Chicago Botanic Garden

Today, former banker Tom Soulsby is a horticulturist in the Chicago Botanic Garden's Heritage and Rose Gardens, as well as the Linden Allée; he is also in charge of the lagoon garden south of the Visitor Center bridge. "I used to leaf through the school catalog and set it aside," said Soulsby. "When my employer closed its business, I read the catalog cover to cover and gave it a try." Soulsby completed the Ornamental Plant Materials certificate and Professional Gardener levels 1 and 2 certificates. "I use what I learned every day," he said. "Especially rewarding is the opportunity to use my skills and knowledge to inspire others... Garden visitors and students who now take my classes."



*Former bankers, real estate agents, and others have turned their passions into careers. Tom Soulsby, Garden horticulturist, and Lisa Hilgenberg, Regenstein Fruit & Vegetable Garden horticulturist, now inspire Garden visitors.*

After nearly two decades in real estate, Lisa Hilgenberg had a chance to switch careers when her daughter went to college. Hilgenberg now serves as the Regenstein Fruit & Vegetable Garden horticulturist. "I grew up planting pumpkins in my grandfather's field—I've come full circle!" she said. "I jumped into classes at the Garden and never turned back." She has seen the Garden touch many different people in countless ways, and considers it an honor to share what she has learned. "Horticulture is a universal language," she said. "So many people find comfort and inspiration here."

Soulsby and Hilgenberg are among the Garden's staff members for whom a weekend interest or passionate hobby blossomed into a new career. Their new paths became clear as the School's renowned experts, breathtaking campus, and hands-on training combined with an opportunity for a life change.

# Highlights

## Expressive Watercolor

6 Saturdays, March 2 – April 6  
See page 58.



## Botany 1, Spring Session

6 Mondays and 6 Wednesdays, March 11 – April 17  
See page 47.

## Fitness Walks

Begin the week of April 6  
See page 65.

## Ginkgo: The Tree That Time Forgot

A special engagement and book signing  
with Sir Peter Crane  
Thursday, March 14  
See page 42.



## New! Personalized Natural Perfume Workshop

Saturday, April 27  
See page 57.



## Sustainable Gardening Workshops with Jeff Epping

Thursday, March 14, and Friday, March 15  
See page 54.



## New! A Painting in One Day

Workshop with Mark McMahon  
Saturday, May 4  
See page 57.



## Clematis Up Close

Saturday, March 30  
See page 48.

## New! Tram Photo Safari!

Saturday, June 1  
See page 63.

# Overview of Courses and Programs

## GENERAL INTEREST COURSES

Courses cover myriad topics and provide high-quality learning opportunities for beginning and more advanced gardeners. For specific program questions, contact the registrar at [school@chicagobotanic.org](mailto:school@chicagobotanic.org) or (847) 835-8261.

### Professional Programs

Professional programs are intensive studies in a particular area of interest for the advanced student. These courses routinely carry continuing education units for various professional organizations. Please direct comments or topic suggestions to Jill Selinger at [school@chicagobotanic.org](mailto:school@chicagobotanic.org) or (847) 835-6849.

### Symposia

Symposia, offered throughout the year, provide an in-depth look at a variety of topics. Regional, national, and international speakers provide new perspectives for amateur gardeners, professional horticulturists, landscape designers and architects, scientists, conservationists, and other green-industry professionals. Please direct comments or topic suggestions to Beth Pinargote at [school@chicagobotanic.org](mailto:school@chicagobotanic.org) or (847) 835-8278.

### Master Gardener Training Program

In conjunction with University of Illinois Extension, the Garden offers the Master Gardener Training Program. The program covers the basics of horticulture, including classes on woody and herbaceous ornamental plant materials, fruit and vegetable crops, entomology, and pathology.

After completing the training program and 60 hours of volunteer service, participants become certified University of Illinois Extension Master Gardeners. The next on-site program will be in January 2015 and the next online program will begin in January 2014. Please visit [www.chicagobotanic.org/school/mastergardener](http://www.chicagobotanic.org/school/mastergardener) or call Jill Selinger at (847) 835-6849.

## Certificate Programs

Learn how a certificate of merit can help you fulfill a dream, start a new career, or delve more deeply into an area of interest. Look for these codes after a course listing, and find a course that may be a new beginning for you!

Certificate programs are offered at many levels to give both beginners and professionals opportunities to improve their expertise and marketability. Details about all of the certificate programs are available at [www.chicagobotanic.org/school/certificate](http://www.chicagobotanic.org/school/certificate). Contact Amelia Simmons-Hurt at [certificateprogram@chicagobotanic.org](mailto:certificateprogram@chicagobotanic.org) or (847) 835-8293 for further information.

- **Botanical Arts (ART)**  
Engage your senses, discover hidden talents, and explore a more personal relationship with plants in this studio art program.
- **Garden Design (GDC)**  
Create successful gardens with a solid foundation in plantsmanship and science-based gardening techniques.
- **Midwest Gardening (MGC)**  
Discover practical, learner-friendly training on growing plants, plant propagation, and home garden design and you will become a more successful home gardener.
- **Ornamental Plant Materials (OPC)**  
Avid amateur gardeners and aspiring horticulture professionals alike will learn identification, cultural requirements, and landscape use for more than 500 ornamental plants that are well suited for northeastern Illinois.
- **Professional Gardener Level 1 and 2 (PGL 1 and 2)**  
Hands-on learning can lead to a new career or advancement in the industry, with science-based gardening techniques, plantsmanship, and training in sustainability and planning.

- **Healthcare Garden Design (HGD)**  
In this professional development program, attendees will discover the many ways gardens provide verifiable health benefits for the patients, staff, and visitors.
- **Horticultural Therapy (HTC)**  
This 12-credit-hour accredited program combines online learning with hands-on training, allowing students to gain experience and skills in the use of plant, garden, and nature activities to achieve measurable physical and mental-health outcomes for clients.
- **New! Focus on Photography (FPC)**  
The Regenstein School recently launched a new certificate program, enabling photographers of all levels to experience the wonders of the natural world, develop and sharpen their powers of observation, and master their technical skills in the studio. This program is your unique opportunity to discover and enhance your creativity, learn from outstanding photography professionals, and enjoy the Garden as your studio. Contact Jill Selinger at [certificateprogram@chicagobotanic.org](mailto:certificateprogram@chicagobotanic.org) or (847) 835-6849 for more information about the photography certificate.

### Adult Education Information Session

From watercolor to yoga and birding to botany, adult education has something for everyone. Begin your day with a fitness walk and finish with an afternoon class on viburnums. Join us at this free information session to discover a range of classes for the beginner, the hobbyist, the career changer, and professionals. Please register to save your space!

Monday, March 4, 6 – 8 p.m.  
Linnaeus Room

One-stop registration online.  
It's so easy! Register for  
classes, camps, kids'  
programs, yoga, and more!



# Professional Development Programs

Professional development opportunities and inspiration are yours here at the Garden. Landscape design, horticulture, and conservation professionals and others are welcome to attend these outstanding programs.

## Structures for the Residential Garden

Whether a support element in a working garden, the central place to gather outdoors, or a simple garden accent, structures of all types are a favorite garden feature. Explore structures suited to the residential garden and the design considerations that contribute to an exceptionally designed and sited garden structure. This class will discuss arbors, arches, and pergolas, as well as design considerations including function, style, materials, and plant selection.

Deb Samyn, RLA, ASLA, The Garden Consultants, Inc.  
\$37 nonmember; members receive 20% discount  
Thursday, March 28, 10 a.m. – noon  
Linnaeus Room

## Container Plantings for the Professional Gardener

Container gardening is as popular as ever, and more and more people demand top-quality container plantings for their landscapes, businesses, communities, parks, and street plantings. Getting the most out of your container plantings for all four seasons is the emphasis of this class. Tim Pollak will discuss proper plant selection, container types, soil amendments, cultural practices, and maintenance issues. The class includes a hands-on design activity in small groups to help explore different plant combinations. In addition, he will share his thoughts on design principles, creating container arrangements and centerpieces, and methods to prolong the display with change-outs. A Garden walk will be included.

Tim Pollak, outdoor floriculturist,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Wednesday, May 15, 6:30 – 8:30 p.m.  
Annex 2

*Explore arbors, arches, and pergolas in Structures for the Residential Garden.*



## BONSAI WORKSHOPS

All bonsai workshops are taught by Ivan Watters, bonsai artist and curator of the Chicago Botanic Garden bonsai collection. Workshops are held in the Production Headhouse.

### Bonsai: Beginner – Basics and Fundamentals

During this six-week course, discover principles and techniques to appreciate and participate in the art of bonsai. Each session includes a detailed lecture and assistance with design, styling, and wiring.

\$229 nonmember; members receive 20% discount  
6 Sundays, April 7 – May 12, 1 – 4 p.m.

### Bonsai: Novice – Development Techniques

Ideal for those with considerable familiarity and experience with the fundamentals of bonsai, each session in this six-week course includes a brief lecture, supervised work on trees, and a review and critique of work undertaken.

\$269 nonmember; members receive 20% discount  
6 Wednesdays, April 10 – May 15, 6:30 – 9:30 p.m.

### Bonsai: Intermediate – Refinement Techniques

Appropriate for those with knowledge of bonsai concepts and experience with the art beyond the novice level, each session in this six-week course includes a brief lecture, supervised work on trees, and a review/critique of work undertaken.

\$287 nonmember; members receive 20% discount  
6 Saturdays, April 6 – May 11, 9 a.m. – noon

### Bonsai: Advanced – Presentation-Quality Efforts

For the student who has completed the beginner, novice, and intermediate courses, this six-week course focuses almost exclusively on supervised work on trees.

\$319 nonmember; members receive 20% discount  
6 Sundays, April 7 – May 12, 9 a.m. – noon



## WEEKEND GARDENER SERIES

Are you a new homeowner baffled by your landscape? Are you a beginning gardener who wants to learn basic horticultural skills? This series answers gardening questions and introduces techniques for gardening success. Each course investigates a different topic related to your own lawn and garden.

### Success with Trees and Shrubs

Learn all you need to know about growing trees and shrubs and how to be consistently successful in growing all types of woody plants (both deciduous and evergreen). Specific discussion includes matching plants to the site, planting practices, first-year maintenance, and long-term care. This session is of value to all skill levels.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Saturday, March 16, 9:30 a.m. – noon  
Garden View Room

### Pruning Principles

Learning the correct technique for pruning is key to maintaining healthy plants. Tim Johnson will introduce you to the principles of pruning, including proper tool use, techniques for pruning trees and shrubs, and the best time to prune both evergreen and deciduous plants. He will also display a variety of good tools for pruning.

Tim Johnson, director of horticulture,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Sunday, March 17, 1 – 3 p.m.  
Linnaeus Room

### Spring Lawn Care for Homeowners

Here's your chance to learn the basics of lawn care. Using the Garden's holistic turf management program as a model, Tom Fritz explains how to cultivate a thriving lawn while lessening pesticide use. He'll cover turf culture, mowing, aerating, watering, fertilizing and weeding, and insect and disease control. Please dress for the weather.

Tom Fritz, plant healthcare specialist,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Saturday, March 23, 9 – 11 a.m.  
Seminar Room, Plant Science Center

Classes are subject to change.  
For the most current listings visit  
[www.chicagobotanic.org/school](http://www.chicagobotanic.org/school).

### Get Started with Perennials

Learn about choosing the right perennial for the right garden location, and how to combine different perennials to create a lovely and interesting garden that blooms throughout the growing season. Emily Shelton discusses pruning and pinching techniques, deadheading and dividing, and other cultural methods to help you keep your garden growing healthy and strong. Come with your questions, because there will be time to discuss any unique situations you have encountered in your perennial garden. A Garden walk is included, so please dress for the weather.

Emily Shelton, horticulturist, Chicago Botanic Garden  
\$55 nonmember; members receive 20% discount  
Saturday, April 13, 9:30 a.m. – 12:30 p.m.  
Garden View Room

### Vegetable Gardening Basics

Join horticulturist Lisa Hilgenberg to learn the basic techniques and tools required to grow your own vegetables. Site selection, bed and soil preparation, seed sowing, transplanting, and harvesting techniques are just part of what will be covered in this class. This introductory vegetable-growing class is best suited for those with little or no vegetable growing experience. Each student will receive a packet of seeds to grow at home.

Lisa Hilgenberg, horticulturist, Regenstein Fruit & Vegetable Garden, Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Saturday, April 27, 9:30 – 11:30 a.m.  
Fruit & Vegetable Learning Center

### Gardening in Containers

Learn how to design and create container gardens for sun and shade, vegetables and herbs, and many others. You will also learn how to keep them healthy and lush all summer long. Each student will receive a plant to try in your containers at home. Dress for the weather, as part of the class will be outdoors.

Nancy Clifton, program specialist,  
Chicago Botanic Garden  
\$45 nonmember; members receive 20% discount  
Saturday, April 27, 1 – 3 p.m.  
Annex 1

### Summer Garden Maintenance

Proper watering, fertilizing, pruning, edging, deadheading, staking, and mulching practices can make the difference between a healthy, well-kept garden and a landscape that gets ahead of you. You will have a hands-on opportunity to practice what you learn, so bring along a pair of pruners, and dress for the weather.

Tim Johnson, director of horticulture,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Sunday, May 5, 1 – 3 p.m.  
Linnaeus Room

### Get Started With Roses

This is a great course for the first-time rose grower, or a refresher for the enthusiast. General planting, pruning, protection, and care will be discussed, along with examples of low-maintenance rose varieties suitable for the Chicagoland area. Dress for the weather, as part of the class will be a Garden walk and talk.

Thomas Soulsby, horticulturist,  
Chicago Botanic Garden  
\$37 nonmember, members receive 20% discount  
Saturday, May 11, 9:30 – 11:30 a.m.  
Linnaeus Room

### Get Started with Annuals

Annuals can be used in many ways to provide constant color in your flowerbeds, containers, window boxes, and perennial borders. Learn the most dependable varieties as well as the new and unusual. Topics include soil preparation, plant selection, care and maintenance, and some propagation techniques.

Tim Pollak, outdoor floriculturist,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Sunday, May 19, 1 – 3 p.m.  
Design Studio

### Bonsai Basics

Learn the horticulture of bonsai and the art and philosophy behind it. Discover what bonsai is and the history, fundamental aesthetic elements, and basic styles of this art. Ivan will also touch on tools, wiring, soils, fertilizers, and year-round care. A walk to view part of the bonsai collection is included.

Ivan Watters, bonsai artist and curator,  
Chicago Botanic Garden bonsai collection  
\$37 nonmember; members receive 20% discount  
Saturday, June 1, 1 – 3 p.m.  
Design Studio



*Hints for growing roses in the Midwest can be found in Get Started With Roses.*

## Horticulture

### Grow Orchids on Your Windowsill

Learn how easy it is to grow orchids right on your windowsill. A few of the topics to be discussed include the easiest orchids to grow that are best suited to your conditions; avoiding some of the mistakes encountered by new growers; keeping plants healthy; and basic orchid-growing techniques. In addition, participants are encouraged to bring a few plants to class for questions and discussion. This is a class for beginners and those interested in improving their orchid-growing skills.

Jerry L. Garner, Ph.D., horticulturist, consultant, and retired professor of horticulture  
\$45 nonmember; members receive 20% discount  
Saturday, March 9, 1 – 3:30 p.m.  
Annex 2

### Organic Gardening: A Fresh Approach

Are you interested in organic gardening? This fresh approach to organic gardening will focus on fundamental horticultural practices as they apply to a successful organic garden experience. The presentation will cover the “what and why” of organics followed by a detailed discussion of specific horticultural practices both in the area of plant nutrition and pest management. There will also be a brief discussion of organics from a retail consumer perspective.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Tuesday, March 12, 6:30 – 9 p.m.  
Linnaeus Room

### Ginkgo: The Tree That Time Forgot

*A special engagement and book signing*

Ginkgo is perhaps the world’s most distinctive and ancient tree. An arboreal oddity with one of the longest of all botanical pedigrees, ginkgo has a life story deeply intertwined with that of our planet. Ginkgo grew up with the dinosaurs and has come down to us almost unchanged for two hundred and fifty million years. Follow the prehistory of ginkgo from its origin, proliferation, and spread across the planet, to its decline and near extinction before its dramatic reprieve. This lecture celebrates a beautiful book that tells the evolutionary and cultural life story of ginkgo.

Sir Peter Crane, FRS, dean, Yale School of Forestry and Environmental Studies  
\$25 nonmember; members receive 20% discount  
Thursday, March 14, 4 – 6:30 p.m.  
Fairchild Room

### Gardening in Raised Beds

Discover the many advantages of raised-bed gardening. We will begin with a demonstration covering construction and proper installation of a raised bed. Then you will learn what to grow, when to plant, and how to maximize yield using a raised bed. Extending the growing season will also be discussed. Each attendee will have the option of ordering a raised bed kit for April pickup.

Bill Shores, professional grower and garden consultant and Andy Swets, carpentry supervisor, Chicago Botanic Garden  
\$54 nonmember; members receive 20% discount  
Saturday, March 16, 1:30 – 4:30 p.m.  
Annex 2

### English Trough Workshop

Join Heather Sherwood for this popular trough-making workshop. Examples of these versatile troughs can be seen in the English Walled and Dwarf Conifer Gardens. All materials for the container are included. Please note: project work is dusty and there is a second part to be completed at home, 24 hours later. A supply list will be sent.

Heather Sherwood, horticulturist, Chicago Botanic Garden  
\$99 nonmember; members receive 20% discount  
Wednesday, March 20, 6:30 – 8:30 p.m.  
Annex 1



### Tree and Shrub Trimming Demystified

*Two-session class*

Learn the secret that only certified arborists know—it is fun and simple to trim your trees and shrubs when their leaves are absent! Through demonstrations and discussions, you will learn the basics of tree physiology and how it is affected by trimming. Learn proper practices of trimming during the winter months, and the advantages of winter trimming of certain species for maximum health and plant performance. Also, learn the secrets for trimming evergreens, which is best done in late spring and summer. Beginners and professionals alike will find this class informative and practical. Please dress for the weather for Saturday’s hands-on session.

Gilbert Smith and Lesley Bruce Smith, ISA certified arborists, owners, Arborsmith Ltd.  
\$62 nonmember; members receive 20% discount  
Thursday, March 21, 7 – 8:30 p.m.,  
and Saturday, March 23, 9 – 11 a.m.  
Annex 2



### POULTRY PALOOZA!

Join urban chicken consultant Jennifer Murtoff to learn how to successfully raise and enjoy chickens in your backyard!

Register for both sessions at once and receive a ten percent discount.

### Raising Backyard Chickens

This class is designed for curious people who are considering raising backyard chickens, as well as for those who already have their own birds and who want to learn more! Come learn about local laws, how to raise chicks, care for adult birds, and keep your neighbors happy!

Jennifer Murtoff, Home to Roost Urban Chicken Consulting  
\$27 nonmember; members receive 20% discount  
Saturday, March 23, 10:30 a.m. – noon  
Garden View Room

### New! Chicken Coop Basics

If you’re getting chicks this spring, you will need to know how to build a safe and comfortable home for them! In this class, you’ll learn about the basic needs of backyard birds (they’re not fussy, really, but there are some things you need to know!). Discover the essential components of a coop, learn what to avoid when choosing construction materials, get important construction tips, and see examples of different coop styles.

Jennifer Murtoff, Home to Roost Urban Chicken Consulting  
\$19 nonmember; members receive 20% discount  
Saturday, March 23, 1:30 – 2:30 p.m.  
Garden View Room

### New! Going Beyond the *Phaenopsis*

Are you ready to get past the beginner's level with your orchids? Take an in-depth look at orchid history, diversity, and nomenclature. In addition, suggestions for building your collection and some of the finer points of orchid cultivation are discussed. Ample time is reserved for questions and discussion and for trouble-shooting problems. Participants are encouraged to bring a few of their plants. This is not a beginner's class, but geared to anyone with some orchid-growing experience

Jerry L. Garner, Ph.D., horticulturist, consultant, and retired professor of horticulture  
 \$54 nonmember; members receive 20% discount  
 Saturday, March 23, 1 – 4 p.m.  
 Annex 2



Join in the fun at a pansy wreath workshop!

### Backstage Pass: Flowering Spring Celebrities

The Garden's production department grows nearly a half-million plants every year. Join Tim Pollak for a behind-the-scenes tour through the Chicago Botanic Garden's Greenhouses and nursery. Be the first to see which spring annuals will appear in the 2013 annual display beds, hanging baskets, containers, and hanging hayracks. You will also get a preview of some of the indoor displays for the Antiques & Garden Fair and glimpse the start of fall mums.

Tim Pollak, outdoor floriculturist, Chicago Botanic Garden  
 \$37 nonmember; members receive 20% discount  
 Sunday, March 24, 1 – 3 p.m.  
 Meet at Rice Plant Resource Center

### Hydrangeas

Learn all you ever wanted to know about hydrangeas! This program will cover all aspects of successfully growing hydrangeas. A detailed discussion will include hardiness issues and pruning techniques by species, as well as how to manage bloom color—plus you'll see some great photos of each of the species in full bloom.

Glenn Grosch, horticulturist and agronomist  
 \$45 nonmember; members receive 20% discount  
 Thursday, March 28, 6:30 – 9 p.m.  
 Linnaeus Room

Visit [www.chicagobotanic.org/school/faculty](http://www.chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.

### Living Pansy Wreath Workshop

Welcome the arrival of spring with a pansy wreath to brighten your front door! In this class you will create a lush, colorful living wreath by planting a moss-lined wire frame with pansies and ivy. Please bring an apron, rubber gloves, and scissors. All other materials are included in the fee.

Karen Thomson, topiary designer, Thomson Topiaries  
 \$74 nonmember; members receive 20% discount  
 Wednesday, April 3, 9:30 a.m. – noon  
 Annex 1

### New! Create Your Own Vertical Garden

Vertical gardening is fast becoming a popular way to grow plants—whether indoors or out. Vertical gardens take advantage of unused walls and allow gardeners to create living tapestries of foliage. Whether they are large or small, these living walls require some specialized know-how. Landscape architect Scott Mehaffey will share tips he has learned by planting, growing, maintaining, and studying indoor and outdoor vertical gardens over the last several years. Class participants will have the opportunity to create their own personal vertical garden filled with houseplants or herbs to take home.

Scott Mehaffey, Sage Vertical Garden Systems  
 \$99 nonmember; members receive 20% discount  
 Saturday, April 6, 10 a.m. – noon  
 Annex 1

### Growing a Cook's Garden

If you have a spot in your garden, balcony, or deck that receives more than six hours of direct sunlight, you can grow fresh herbs and vegetables. We'll cover how to grow the best essential ingredients for your kitchen: tomatoes, onions, peppers, squash, garlic, and leafy greens. In this class, you'll learn the basics of soil preparation, planting in pots, plant selection, protecting your harvest from pests, extending the crops from spring through fall, and ideas for food preparation.

Nina Koziol, garden writer  
 \$37 nonmember; members receive 20% discount  
 Saturday, April 6, 1 – 3 p.m.  
 Garden View Room

### Front Door Container Duo Workshop

Create a matching set of containers to display together or apart. One container may not be enough! Assemble two containers for sun/part shade for an immediate effect. You will take a short walk to see Garden containers and then create your own duo of pots to take home. Dress for the weather and bring gloves. All other materials are provided.

Nancy Clifton, program specialist, Chicago Botanic Garden  
 \$162 nonmember; members receive 20% discount  
 Wednesday, April 10, 10 a.m. – noon  
 Annex 1

### New! Trees 4 Seasons

The program will be a celebration of the seasonal changes of deciduous trees. Each specimen tree is presented as it is transformed from a skeleton of bare branches, adds a spring floral display, changes to summer foliage, and finishes with fruit and vibrant colors in the fall. The presentation is derived from Dan Weinbach's new book, *Trees 4 Seasons—a Visual Guide*. Weinbach is a practicing landscape architect in Chicago, and his book has been 30 years in the making. Books will be available for purchase and signing.

Dan Weinbach, landscape architect, Daniel Weinbach and Partners, Ltd.  
 \$24 nonmember; members receive 20% discount  
 Sunday, April 28, 1:30 – 3 p.m.  
 Linnaeus Room





### Distinctive Annuals

Tired of the same old annuals? Join us for a discussion and colorful demonstration of many different and rare annuals worthy of our gardens and containers. Join Tim Pollak as he talks about the best plants to try and where to find some of these distinctive annuals. Many are heirlooms from our grandparents' gardens, all of which are fantastic additions to complement the tried-and-true annuals available in the spring and summer. Pollak also demonstrates how to care for and overwinter some of these plants so you can enjoy them year after year.

Tim Pollak, outdoor floriculturist,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Thursday, May 9, 6:30 – 8:30 p.m.  
Linnaeus Room

### Made-for-the-Shade Container Workshop

Need some color in the shade? Take a Garden walk to view shade-loving plants, and then create your own container designed with shade in mind. We will use a variety of plants, including perennials, annuals, and tropicals. Please bring garden gloves and a large box for the finished project. All other materials are provided.

Nancy Clifton, program specialist,  
Chicago Botanic Garden  
\$112 nonmember; members receive 20% discount  
Wednesday, May 15, 10 a.m. – noon  
or 6:30 – 8:30 p.m.  
Annex 1

### Early Morning Garden Stroll

Join Nancy Clifton and other early birds on an inspiring stroll and enjoy the private moments found in the Garden at the break of dawn. See the sunrise, the morning dew on flowers, and mist across the water. We will stop for special sites along the way and quietly talk about the benefits found when hardly anyone is around.

Nancy Clifton, program specialist,  
Chicago Botanic Garden  
\$19 nonmember; members receive 20% discount  
Tuesday, June 4, 7 – 8:30 a.m.  
Meet at Visitor Center

### Gorgeous Container Gardens

Containers are never out of fashion in the garden. Learn about the newest trends and observe tried and true construction techniques during this demonstration-style class. Beth Levy will teach you all you need to know so you can create that stand-out container.

Beth Levy, retired landscape and container designer,  
Garden Renaissance, Inc.  
\$37 nonmember; members receive 20% discount  
Tuesday, June 4, 7 – 9 p.m.  
or  
Wednesday, June 5, 10 a.m. – noon  
Annex 2

### FOUR SEASONS OF BEAUTY: THE CHICAGO BOTANIC GARDEN CONTAINER SERIES

This series of workshops and Garden walks features the diversity and creativity of four seasons of Chicago Botanic Garden container gardens. Each season you will explore the Garden grounds with Nancy Clifton and discover an array of striking plants, interesting color and texture combinations, and unique container arrangements. Clifton will then help you create a seasonal container for your sun or partial shade patio or porch.

All workshops are taught by Nancy Clifton, program specialist at the Chicago Botanic Garden.

Register for all four sessions at once and save ten percent.

### Spring Containers at the Garden

Tour the Garden's spring containers and collect ideas for your own. Then create a container with plants that can tolerate the varying spring temperatures and a full-sun to partial-shade location. Pansies, forced bulbs, and other spring treasures may be used. A spray of branches gives them a finishing touch. Please bring gloves

\$87 nonmember; members receive 20% discount  
Tuesday, April 23, 10 a.m. – noon,  
or 6:30 – 8:30 p.m.  
Annex 2

### Summer Containers at the Garden

Enjoy a tour featuring the summer containers at the Garden. Then prepare a warm-season mixed container suitable for a sun or partial shade location. Your container may include annuals, perennials, herbs, and decorative foliage. Please bring gloves.

\$87 nonmember; members receive 20% discount  
Tuesday, June 18, 10 a.m. – noon,  
or 6:30 – 8:30 p.m.  
Annex 2

### Autumn Containers at the Garden

Take a Garden walk to view the Garden's fall containers. Then create a cool-season mixed container with a variety of plants suitable for a full-sun or partial-shade location. Your container may include annuals, perennials, herbs, decorative foliage, cool-season vegetables, ornamental grasses, a decorative vine, and gourds. Please bring gloves.

\$87 nonmember; members receive 20% discount  
Tuesday, September 10, 10 a.m. – noon,  
or 6:30 – 8:30 p.m.  
Annex 2

### Winter Containers at the Garden

Explore the winter containers at the Garden and learn ways to extend your own containers into the winter season. Then prepare a container with fresh-cut evergreen boughs and berried or brightly colored branches. Please bring gloves and pruners.

\$87 nonmember; members receive 20% discount  
Tuesday, December 3, 10 a.m. – noon,  
or 6:30 – 8:30 p.m.  
Annex 2

*Containers are never out of fashion in the garden.*





Windy City Harvest workshops extend growing seasons with cold frames.

## HORTICULTURE CERTIFICATE PROGRAMS

### Materials and Energy Usage in a Sustainable Landscape

*OPC elective*

Learn how to incorporate manual equipment for good health and less environmental impact. Using fewer two-cycle engines (mowers, blowers, power shears) contributes to enhanced air quality. Discussions will focus on certified sustainably harvested wood, composite materials, recycled materials, solar and wind technology in the garden, supplemental energy sources, and more. The School's CEUs=0.3

John Eskandari, arborist and plant acquisitions, Gethsemane Gardens  
\$74 nonmember; members receive 20% discount  
Saturday, March 9, 11 a.m. – 2 p.m.  
Plant Science Lab, Regenstein Center

### Social Impacts of Sustainability

*OPC elective*

Simple ideas can have big impact. Reduced crime in tree-lined areas, cleaner air, and reduced storm-water runoff are results that prove successful practices. Planted areas filter waste entering the soil, thereby reducing groundwater pollution. Learn about these and other community movements for green spaces and habitat development. The School's CEUs=0.3

John Eskandari, arborist and plant acquisitions, Gethsemane Gardens  
\$74 nonmember; members receive 20% discount  
Saturday, March 16, 11 a.m. – 2 p.m.  
Plant Science Lab, Regenstein Center

### Botany 1, Spring Session

*OPC, MGC, PGL 1, PGL 2 and GDC requirement*

Why, botanically speaking, is a tomato a fruit? What is the difference between a fern and a moss? Come join us in Botany 1 to learn the answers to these questions and more! In this course we will explore subjects such as the importance of plants to our lives; plant taxonomy and classification; and the life cycles, distinguishing features, diversity, and identification of major groups of plants.

Richard D. Hyerczyk, botanist  
\$337 nonmember; members receive 20% discount  
6 Monday and 6 Wednesdays, March 11 – April 17  
2:30 – 4:30 p.m.  
or  
6:30 – 8:30 p.m.  
Plant Science Lab, Regenstein Center

### Deciduous Flowering Shrubs

*PGL 1, PGL 2, GDC and OPC requirement*

Study more than 60 different deciduous flowering shrubs (and their cultivars and related species) suitable for commercial landscape and home garden use in the Chicago region. During weekly slide lectures and Garden walks, the identification, cultural information, aesthetic qualities and landscape uses of both common and more unusual shrubs will be emphasized. Upon completing this course, you will be able to select the most appropriate shrubs for your garden space and gardening style. Prerequisite: Botany 1. The School's CEUs=2.5

Mark Zampardo, Ph.D., horticulture educator  
\$287 nonmember; members receive 20% discount  
7 Tuesdays, March 19 – May 7, 6:30 – 8:30 p.m.  
(no class April 16)  
Aldorf Auditorium

Garden Walks (select one)  
6 Thursdays, March 21 – May 2, 9 – 11 a.m.  
(no class April 18)  
or  
6 Saturdays, March 23 – May 4, 9 – 11 a.m.  
(no class April 20)

Optional study CD \$20

## WINDY CITY HARVEST WORKSHOPS

All workshops are taught by Ben Jaffe, instructor, Windy City Harvest Sustainable Urban Agriculture Program, Chicago Botanic Garden.

### Spring Season Extension for Edibles

Learn how to jump start your spring season crops with easy-to-construct low tunnels and cold frames. In this workshop we will review recommended crops and varieties for early spring planting in low tunnels.

\$74 nonmember; members receive 20% discount  
Saturday, March 16, 9 a.m. – noon  
Annex 1

### Building Healthy Soil for Vegetable Gardens

Learn about composting, cover cropping, and other soil-building techniques. Healthy soil is the key to growing healthy plants, free of chemical fertilizers and pesticides.

\$74 nonmember; members receive 20% discount  
Saturday, July 20, 9 a.m. – noon  
Fruit & Vegetable Classroom

### Fall Season Extension for Edibles

Learn how to extend your fall season crops with easy-to-construct low tunnels and cold frames. In this workshop we will review recommended crops and varieties for fall planting in low tunnels.

\$74 nonmember; members receive 20% discount  
Saturday, August 17, 9 a.m. – noon  
Fruit & Vegetable Classroom

### Adult Education Information Session

From watercolor to yoga and birding to botany, adult education has something for everyone. Begin your day with a fitness walk and finish with an afternoon class on viburnums. Join us at this free information session to discover a range of classes for the beginner, the hobbyist, the career changer, and professionals. Please register to save your space!

Monday, March 4, 6 – 8 p.m.  
Linnaeus Room

## Soil Basics, Spring Session

*MGC, PGL 1, PGL 2, GDC requirement*

Soil is an irreplaceable natural resource that affects plant selection and growth. Learn to maintain healthy soil; use compost, fertilizers, soilless and potting mixes and other amendments. Discover how water cycles through a garden and affects soils and plants. Begin to appreciate the circle of life within our soils that helps create a productive soil. Course fee includes a professionally analyzed test of your garden soil. Prerequisite: Botany 1.

Ellen Phillips, horticulture educator  
\$337 nonmember; members receive 20% discount  
6 Thursdays, March 28 – May 9, 6:30 – 9 p.m.  
(no class April 18)  
and  
Saturday, April 13, 1 – 4 p.m.  
Annex 2



## Clematis Up Close

*OPC elective*

A profusion of showy blossoms makes clematis the undisputed queen of the climbers and an essential vine for every garden. Most gardeners are aware of a handful of the large-flowered clematis, but recent breeding work has greatly increased the number of useful, appealing cultivars. In addition, there are many distinctive, less-commonly known small-flowered species and hybrids that extend the flowering season into autumn. Richard Hawke will discuss the identification, culture, and maintenance requirements of many large- and small-flowered clematis, sharing his more than 16 years of experience growing and evaluating this genus. The School's CEUs=0.3

Richard Hawke, manager, plant evaluation, Chicago Botanic Garden  
\$74, members receive 20% discount  
Saturday, March 30, 9 a.m. – noon  
Linnaeus Room

## Introduction to Lichens

*OPC elective*

Lichens are a symbiotic association of a fungus and an alga. Nearly 200 species can be found all over the Chicago area. Join Rich Hyerczyk, founder of the Chicago Lichenological Society, to explore the local lichen flora. Taxonomy, morphology, and ecology of lichenized fungi, with an emphasis on identification of the local species, will be featured. The School's CEUs=0.7

Richard D. Hyerczyk, botanist  
\$149 nonmember; members receive 20% discount  
2 Thursdays, April 4 and 11, 6:30 – 9 p.m.  
Plant Science Lab, Regenstein Center  
and  
Saturday, April 20, 1 – 3 p.m.  
Off-site

## Gardening Techniques: Session C

*PGL 1, PGL 2, GDC requirement*

Students will be introduced to professional gardening through a combination of lecture and hands-on activities. Focus is on acquiring solid gardening skills, learning about a variety of techniques, and developing the ability to determine best practices. Topics range from plant selection to the identification and control of weeds and other horticultural practices. Prerequisite: Botany 1.

Lynette Rodriguez, owner and horticulturist, A Finer Touch  
\$312 nonmember; members receive 20% discount  
6 Saturdays, April 6 – May 11, 7:30 – 10:30 a.m.  
(April 20 off-site)  
Annex 2

## Best New Annuals for 2013

*OPC elective*

It's going to be a banner year for annuals! This course presents many new cultivars, along with several wonderful yet underutilized species for both container and in-ground plantings in sun and shade. Focus on what makes each unique and ideal, including morphological characteristics and garden performance. Other topics include cultural requirements, design and combinations, and sources. The School's CEUs=0.3

Greg Trabka, new product development manager, Ball Horticultural Company  
\$74 nonmember; members receive 20% discount  
Saturday, April 6, 11 a.m. – 2 p.m.  
Linnaeus Room

Classes are subject to change.  
For the most current listings visit  
[www.chicagobotanic.org/school](http://www.chicagobotanic.org/school).

## Lilacs

*OPC elective*

Learn more about the genus *Syringa*. The species ranges from small shrubs to medium-sized trees. The beautiful flowers are generally fragrant and plants are hardy and easy to grow. Lilacs are tolerant of a wide range of soil types including alkaline soils. A walk around the Garden to view lilacs in bloom is included. The School's CEUs=0.3

Mark Zampardo, Ph.D., horticulture educator  
\$74 nonmember; members receive 20% discount  
Wednesday, April 24, 9 a.m. – noon  
Linnaeus Room

## Botany 2, Spring Session

*PGL 2 and GDC requirement*

How do seeds germinate and develop into mature plants? How do plants move water up through their roots to their topmost branches? This course will explore subjects such as the plant cell; anatomy and growth of roots, stems, and leaves; photosynthesis; and the symbiotic association of plant roots with beneficial fungi and bacteria. Prerequisite: Botany 1.

Richard D. Hyerczyk, botanist  
\$337 nonmember; members receive 20% discount  
6 Mondays and 6 Wednesdays, April 29 – June 10,  
6:30 – 8:30 p.m.  
(no class May 27)  
Plant Science Lab, Regenstein Center

## Soils for the Gardener

*OPC elective*

Soil amendments are confusing. What to use, when to use? Organic vs. inorganic? For your beds, turf, or containers? We will look at carbon to nitrogen ratios; roles of different microorganisms in the soil; and the bacterial vs. fungal properties needed for optimal plant growth. The nitrogen cycle, soil organic matter, and the relationship of plant roots to soil biology will be covered. We will also discuss how to enhance nutrient cycling in your garden for the best growth of your plants. The School's CEUs= 0.3

Lynn Bement, organic gardening coach  
\$74 nonmember; members receive 20% discount  
Thursday, May 23, 9 a.m. – noon  
Linnaeus Room

## Viburnums

*OPC elective*

"A garden without viburnums is akin to life without music and art."—M. Durr

Join Mark Zampardo in a walk and discussion about this terrific genus. Several types of viburnum do well in the Midwest and a few are native to our woodlands. The School's CEUs= 0.2

Mark Zampardo, Ph.D., horticulture educator  
\$62 nonmember; members receive 20% discount  
Wednesday, May 29, 6:30 – 8:30 p.m.  
Design Studio

## Introduction to Midwest Gardening

### MGC requirement

Are you a new gardener or new to the region? If so, this course will help you understand the basics of gardening in the Midwest. Learn about critical factors that affect the success of your garden, such as soil conditions, weather patterns and extremes, common gardening techniques and tools, and pests and diseases.

Sharon Yiesla, horticulture educator  
\$149 nonmember; members receive 20% discount  
5 Tuesdays, April 2 – 30, 6:30 – 8:30 p.m.  
Linnaeus Room

## Annuals and Biennials

### PGL 1, PGL 2, GDC and OPC requirement

Annuals and biennials have a rich tradition and exciting future. During this course, focus on the most popular cool- and warm-season species along with a selection of the new cultivars and unusual plants, all of which are well-suited to container and in-ground gardening in the Midwest. During the lectures and Garden walks, learn plant identification and cultural information and see examples of refined plant combinations and intriguing planting styles. Prerequisite: Botany 1.

Mark Zampardo, Ph.D., horticulture educator  
\$287 nonmember; members receive 20% discount  
7 Tuesdays, May 14 – July 9, 6:30 – 8:30 p.m.  
(no class May 21 and July 2)  
Alsodorf Auditorium

Garden Walks (select one)  
6 Thursdays, May 16 – June 27, 9 – 11 a.m.  
(no class May 23)  
or  
6 Saturdays, May 18 – June 29, 9 – 11 a.m.  
(no class May 25)

Optional study CD \$20

## Mixed Borders

### OPC elective

A garden doesn't have to be restricted to annual or perennial flowers. It can consist of perennials, annuals, bulbs, trees, and shrubs. Here's a look at how to design a beautiful mixed border along with advice on how to tend a bed when it's filled with many different kinds of plants. The School's CEUs= 0.3

Janet Macunovich, garden designer and writer  
\$74 nonmember; members receive 20% discount  
Saturday, June, 8 a.m. – noon  
Linnaeus Room

## The Challenging Garden

### OPC elective

Some places in the yard can cause a gardening headache. They demand attention but refuse to cooperate when it comes to planting: under trees, in dry soil, in overly wet soil, in long narrow spaces, against walls. Here's your chance to gather ideas for what to plant, how to make it grow, and how to care for plants in such challenging places. The School's CEUs= 0.3

Janet Macunovich, garden designer and writer  
\$74 nonmember; members receive 20% discount  
Saturday, June 8, 1 – 4 p.m.  
Linnaeus Room

## Growing Vegetable and Herbs

### MGC requirement

Whether you have a large garden plot or a cozy city lot, you will discover new vegetable and herb varieties and creative ways to integrate them into your landscape. Learn appropriate growing conditions, average planting times, effective harvesting procedures, as well as common diseases and pests. Please dress for the weather.

Lisa Hilgenberg, horticulturist,  
Fruit & Vegetable Garden, Chicago Botanic Garden  
\$224 nonmember; members receive 20% discount  
6 Tuesdays, June 18 – July 30, 6:30 – 8:30 p.m.  
(no class July 2)  
Fruit & Vegetable Classroom  
Saturday, July 13, 9 a.m. – noon  
Off-site

# Nature Studies

## Landscapes for Nature and Wildlife

Learn to attract wildlife with design ideas and plants selected for use as food, shelter, and water for birds, butterflies, and small mammals. Discussion will include specific plants that may be introduced into a traditional landscape to attract and support wildlife in your garden. A Garden walk will be included, so please dress for the weather.

John Raffetto, horticulture educator  
\$37 nonmember; members receive 20% discount  
Saturday, March 9, 10 a.m. – noon  
Garden View Room

## New! Woodcock Walk!

American woodcocks have been called sky dancers, because the males perform an interesting display in the air during breeding season. A short presentation about these interesting birds will include a close-up look at woodcock specimens and a special demonstration of woodcock young when alarmed. We will then walk to the forest preserve to watch and listen for woodcocks and other birds that are active at dusk. Bring a flashlight and wear appropriate clothing. Please pencil in March 24 as a rain date. A map will be sent.

Steve Bailey, ornithologist, Illinois Natural History Survey, and Sheryl DeVore, author, *Birds of Illinois*, and chief editor, *Meadowlark*, journal of the Illinois Ornithological Society  
\$37 nonmember; members receive 20% discount  
Saturday, March 23, 6:30 – 8:30 p.m.  
Middlefork Savanna, Lake Forest, Illinois

## Spring Bird Walk

Join bird expert Alan Anderson to explore the best spots in the Garden for locating late-winter bird residents and the early migrants of spring. Each walk is approximately one to two hours long. Dress for the weather, and bring binoculars and a field guide, if you have one.

Alan Anderson, research committee chairman, Chicago Audubon Society  
\$19 nonmember; members receive 20% discount  
Saturday, March 30, 7:30 – 9 a.m.  
or  
Saturday, April 13, 7:30 – 9 a.m.  
Meet at Visitor Center

Learn how edibles can enhance your landscape in *Growing Vegetables and Herbs*.



### Woodland Wildflower Walk

Take some time from your busy schedule for a walk in the woods. Welcome the delightful diversity of early spring wildflowers on a field trip in the Mary Mix McDonald Woods. Dress for the weather and wear suitable shoes for hiking. Bring along a field guide, if you have one.

Jim Steffen, ecologist, Chicago Botanic Garden  
\$19 nonmember; members receive 20% discount  
Saturday, April 27, 9 – 10:30 a.m.  
Meet at McDonald Woods Entrance Shelter

### Warblers for Beginners

All those colorful little migratory warblers that light up the trees like ornaments in spring can seem difficult to recognize. In this class, you will learn to identify warblers through their song, plumage, and habitat. Get briefed on these birds' vocalizations before heading into the woods to listen and watch. Warblers can often be just as active toward the end of the day as they are in the morning. Bring a pair of binoculars and dress for the weather.

Sheryl DeVore, author, *Birds of Illinois*, and chief editor, *Meadowlark*, journal of the Illinois Ornithological Society  
\$37 nonmember; members receive 20% discount  
Thursday, May 2, 5 – 7 p.m.  
Brushwood House, Ryerson Woods, Deerfield, Illinois

### A Walk in the Wildflowers

Enjoy a lovely and informative Sunday afternoon stroll through the Reed-Turner Woodland Nature Preserve. The area is rich in diversity of terrain and habitat, resulting in a superb diversification of wildflowers. Please dress for the weather and feel free to bring a notebook, camera, and/or binoculars. A map will be sent.

Sarah Schultz, steward, Reed-Turner Woodland  
\$24 nonmember; members receive 20% discount  
Sunday, May 5, 1 – 3 p.m.  
Meet at Reed-Turner Woodland Nature Preserve,  
Long Grove, Illinois

Visit [www.chicagobotanic.org/school/faculty](http://www.chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.



Learn to identify different migratory warblers in *Warblers for Beginners*.

### Introduction to Bird-Watching

If you want to become a birder, join this class to learn the basics. On Thursday, you will learn about binoculars, how to use a field guide, and the field marks used to identify common birds of the Chicago area. During the Saturday bird walk, participants will try out their newly acquired skills. Bring binoculars, if you have them, and dress for the weather.

Jim Steffen, ecologist, Chicago Botanic Garden  
\$74 nonmember; members receive 20% discount  
Thursday, May 16, 6:30 – 9 p.m.  
Annex 2  
and  
Saturday, May 18, 7:30 – 9 a.m.  
Meet at McDonald Woods Entrance Shelter

### Where Nature Comes Home

Learn how one residential association transformed its lawns into an unfolding and colorful array of stunning multi-season prairies, woodlands, and rain gardens. As a recipient of the 2011 Conservation and Native Landscaping Award, this condominium association was described by WTTW's *Chicago Tonight* as having "probably the most extensive native gardens of any residential complex in the Chicagoland area." This is an inspirational program for those who wish to create native, eco-friendly landscapes around their property to enhance biodiversity, aesthetic beauty, and environmental health.

Dennis Paige, habitat restorationist  
\$37 nonmember; members receive 20% discount  
Sunday, June 9, 1 – 3 p.m.  
Linnaeus Room

### Recognizing Sedges in the Field

*OPC elective*

Many of the grasslike plants you encounter in native habitats in the Chicago region and elsewhere are not actually grasses. Although similar looking, they are members of an entirely different family of plants. In this course you will study *Carex*, the largest and most diverse genus of the sedge family. Learn about the taxonomy, structure, and ecology of this challenging group. This advanced course is for students who have already completed Botany I or are familiar with the use of taxonomic keys. Students must have a 10X loop hand lens and small millimeter ruler. Be prepared for walking in the woods; wear long sleeves and long pants, and bring insect repellent and sunscreen. You may wish to purchase a copy of *Field Guide to Wisconsin Sedges* by Andrew Hipp. Please bring a sack lunch. The School's CEUS=0.6

Jim Steffen, ecologist, Chicago Botanic Garden  
\$124 nonmember; members receive 20% discount  
Saturday, June 15, 9 a.m. – 4 p.m.  
Linnaeus Room

## Garden Design

With a variety of courses ranging from site analysis and construction to garden art and history, students learn the principles of garden design and how design relates to the environment.

### New! Sustainable Gardens: Meadows and Gravel Gardens

Green or sustainable gardens make sense for many reasons. They're good for the environment and they're good for us. Many people want beautiful gardens, but don't have the time or don't want to see precious resources like water and energy go into growing them. Jeff Epping has been researching and implementing a number of new gardens at Olbrich that are more environmentally sound and can be easily incorporated into home landscapes.

Jeff Epping, director of horticulture, Olbrich Botanical Gardens, Madison, Wisconsin  
\$27 nonmember; members receive 20% discount  
Thursday, March 14, 7 – 8:30 p.m.  
Linnaeus Room

### New! Sustainable Gardens: Today's Rose Gardens... Beautiful and Practical

Join Jeff Epping to learn how to grow roses in your garden that are not only beautiful, but easy on the gardener and the environment. Join Epping for an in-depth look at how he and his staff created a beautiful new rose garden at Olbrich. Their rose garden showcases hardy, disease-resistant shrub and climbing rose varieties that need much less care than the vast majority of the roses on the market today. Come see how you too can combine bulbs, annuals, perennials, vines, shrubs, and small-scale trees with a variety of gorgeous roses to create a truly unique and spectacular garden.

Jeff Epping, director of horticulture, Olbrich Botanical Gardens, Madison, Wisconsin  
\$27 nonmember; members receive 20% discount  
Friday, March 15, 10 – 11:30 a.m.  
Linnaeus Room

### Bungalow Garden Design – The Front Yard

Garden design principles for the front yards of bungalows will be reviewed by urban landscape designer Kim Kaulas. Appropriate paving and planting choices to complement these romantic Arts & Crafts residences will be discussed and helpful handouts will be provided.

Kim Kaulas, garden designer, Kim Kaulas Inc.  
\$37 nonmember; members receive 20% discount  
Tuesday, March 19, 6:30 – 8:30 p.m.  
Linnaeus Room

## GARDEN DESIGN CERTIFICATE PROGRAM

### Principles of Garden Design

*PGL 2 and GDC requirement*

Apply knowledge and skills developed in previous design courses toward an in-depth understanding about spatial properties of landscape materials and their application to design principles. Weekly discussions and individual projects will emphasize the components of three-dimensional spaces and their application to the development of refined concept design plans and construction level drawings. Prerequisites: Graphics, Introduction to Professional Practice.

Tony Wasemann, ASLA, senior landscape designer, Scott Byron & Co.  
\$337 nonmember; members receive 20% discount  
8 Wednesdays, March 27 – May 15, 6:30 – 9:30 p.m.  
Design Studio  
and  
2 Saturdays, March 30 and April 6, 11 a.m. – 2 p.m.  
Plant Science Lab, Regenstein Center

### Garden Design Studio

*GDC requirement*

In this advanced study of garden design theory and methods, students will utilize their skills in design process, design language, graphics, research, and analysis as well as legal and regulatory responsibilities for estimating cost for site design. The coursework develops critical and analytical skills through the interaction between students and instructor-mentors. Prerequisites: Graphics, Introduction to Professional Practice, Principles of Garden Design, Planting Design, Hardscape Basics, and Garden Design Implementation.

Jeff Brown, landscape architect, ASLA, Jacobs / Ryan Associates  
\$337 nonmember; members receive 20% discount  
7 Wednesdays, April 17 – June 5, 6:30 – 9 p.m.  
(no class May 15)  
Linnaeus Room  
and  
2 Saturdays, April 20, 9 a.m. – noon and May 18, 10 a.m. – 1 p.m.  
Off-site

## Gardens That Heal: A Prescription for Wellness

*Healthcare Garden Design Certificate Seminar*

In a healthcare environment, gardens provide a sense of order, safety, and privacy for those coping with illness. During this seminar, industry leaders will present the latest research demonstrating the benefits of healthcare gardens, while providing an introduction to the tools needed to effectively design, manage, and evaluate such gardens. Fee includes morning coffee and lunch. This program is registered with the American Society of Landscape Architects for continuing education credit. *Registrations made after Friday, May 10, are not eligible for the lunch option.*

\$149 nonmember or \$129 before April 5; members receive 20% discount  
Wednesday, May 15, 9 a.m. – 5 p.m.  
Alsdorf Auditorium

### Hardscape Basics

*PGL 2 and GDC requirement*

Apply knowledge and skills toward a working understanding of hardscape elements as they relate to garden design. Discussions and projects will focus on basic elements of hardscape structures, including paving, landscape lighting, garden walls and structures, and their application to landscapes. Prerequisites: Graphics, Introduction to Professional Practice, Principles of Garden Design.

Shawn Weidner, ASLA, designer, Hoerr Schaudt Landscape Architects  
\$337 nonmember; members receive 20% discount  
9 Thursdays, May 16 – July 18, 6:30 – 9 p.m.  
(no session July 4)  
Design Studio  
Saturday, June 1, 1 – 4 p.m.  
Off-site

### Introduction to Grading and Drainage

*PGL 2 and GDC requirement*

Apply knowledge and skills toward a working understanding of basic grading and drainage concepts as they relate to design. Discussions and projects will include basic earth forms and drainage patterns in residential landscapes. Prerequisites: Graphics, Introduction to Professional Practice, Principles of Garden Design.

Jodi Mariano, RLA, senior associate, Teska Associates, Inc.  
\$337 nonmember; members receive 20% discount  
8 Wednesdays, June 12 – August 7, 6:30 – 9 p.m.  
(no class July 3)  
Design Studio  
2 Saturdays, July 13 and 20, 11 a.m. – 2 p.m.  
Plant Science Lab, Regenstein Center

# Botanical Arts and Humanities

## Beginning Watercolor

Watercolor is a delightfully fun medium! In this class, you'll learn a variety of watercolor techniques, including washes and how to make a range of textures on paper, plus some color theory to get you started. No prior experience is necessary. A supply list will be sent.

Patsy Welch, artist and educator  
 \$237 nonmember; members receive 20% discount  
 6 Thursdays, March 7 – April 11, 1 – 3:30 p.m.  
 Design Studio

## Treewhispers: Handmade Paper Art Workshop

Spend the day exploring the artistic papermaking process used in the *Treewhispers* exhibition. You will begin the workshop with an introduction to the stunning handmade paper rounds used in the *Treewhispers* project. Then, roll up your sleeves and create your own paper rounds under the guidance of the visionary for the exhibit, artist Pamela Paulsrud. This will be a fun and invigorating workshop suitable for all.

Pamela Paulsrud, artist and creator of *Treewhispers*  
 \$125 nonmember; members receive 20% discount  
 Friday, March 8, 10 a.m. – 4 p.m.  
 Plant Science Lab

## Tile Garden Marker Workshop

Create six personalized garden markers embellished with identifying plant images and names. Janet Austin will guide you through an artistic process using high fire stoneware slabs, plant pressings, and lettering to make these unique and durable markers. Finished pieces will be glazed in a lovely verdigris finish then kiln fired and ready for you to pick up in several weeks.

Janet Austin, artist  
 \$124 nonmember; members receive 20% discount  
 Thursday, March 14, 10 a.m. – noon  
 Annex 1

## Japanese Ink Painting

*Sumi-e*, the ancient art of Japanese ink painting, requires no previous painting experience. Individualized instruction will be provided for students of all levels. Beginners will learn to use Oriental painting equipment to paint classic nature subjects. A supply list will be sent.

Kay Thomas, artist  
 \$187 nonmember; members receive 20% discount  
 6 Wednesdays, March 20 – April 24, 6:30 – 8:30 p.m.  
 Annex 2

## Introduction to Natural Dyes

Students will learn how to obtain eco-friendly color on a variety of materials through research, experimentation, and the collaborative process. We will start by learning the foundations of natural dyeing—experimenting with raw dyes, extracts, and the indigo process. Continuing collaboratively, students will create a book of dye samples. Discussion topics such as dye history, gardens, and techniques, will be supplemented with a detailed handout. All dyes and some fabrics are provided. A list of other supplies will be sent. Open to all levels.

Pamela Feldman, artist and educator  
 \$349 nonmember; members receive 20% discount  
 4 Mondays, April 1 – 22, 9 a.m. – 3 p.m.  
 Annex 2

## Needle Felting Workshop

*Spring is in the Air... Create a Felted Bird!*

Learn how to sculpt wool into a three-dimensional figurine, complete with the colors and character of the real thing! We will be using all locally grown, hand-dyed fibers to create this four-inch bird that makes a terrific spring decoration. Needle felting is a very simple technique used in many artistic applications, and anyone can do it! Come learn while you relax and unwind in this fun class. Fee includes all supplies.

Natasha Lehrer, fiber artist and educator,  
 Esther's Place, Big Rock, IL  
 \$49 nonmember; members receive 20% discount  
 Monday, April 1, 10 a.m. – noon  
 Design Studio

## Mosaic Workshop

Discover the joy and beauty of mosaic art in the pique assiette tradition. Pique assiette, or "broken plates," incorporates a wonderful blending of color, form, and texture. This mosaic folk art can be found in many cultures and is popular today as a way to recycle a favorite piece of china or broken heirloom. Work under the guidance of Bonnie Arkin to complete a unique mosaic from shards of china, ceramic, or glass. A supply list is given at the first class, but you can start collecting dishes now!

Bonnie Arkin, artist and designer  
 \$149 nonmember; members receive 20% discount  
 6 Tuesdays, April 2 – May 7, 7 – 9 p.m.  
 or  
 6 Tuesdays, May 14 – June 18, 7 – 9 p.m.  
 Annex 1

*Label your plantings with stoneware in the Tile Garden Marker Workshop.*

## Pop-Up Flowers of the Midwest: Beginners

Create pop-up cards featuring native flowers of the Midwest! Fundamental techniques of pop-up engineering will be demonstrated and practiced while building these flowers, using little more than a knife, glue, and card stock. Students will finish with a collection of four or five cards. No experience is necessary, but binding and/or sewing skills will speed your progress. A supply list will be sent.

Shawn Sheehy, pop-up engineer and author  
 \$125 nonmember; members receive 20% discount  
 Friday, April 5, 9 a.m. – 4 p.m.  
 Linnaeus Room

## Pop-Up Flowers of the Midwest: Intermediate

If you completed the simpler blooms in the beginner's workshop, you're ready to move on to the complex flowers of this intermediate pop-up flower workshop. Columbine, pasture rose, and blue flag iris are among the blooms included in this set of cards. A supply list will be sent.

Shawn Sheehy, pop-up engineer and author  
 \$125 nonmember; members receive 20% discount  
 Friday, April 12, 9 a.m. – 4 p.m.  
 Linnaeus Room

Visit [www.chicagobotanic.org/school/faculty](http://www.chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.





### Garden Mosaic Tile Stepping Stone

In this one-day workshop, create a one-of-a-kind mosaic and ceramic tile stepping stone with handmade tiles of butterflies, leaves, and insects by artist Janet Austin. Mosaic techniques of design, adhesion, cutting, and grouting are covered in making this durable outdoor gem for your garden path. Ready to take home at the end of the day! Lunch is on your own.

Janet Austin, artist  
\$124 nonmember; members receive 20% discount  
Thursday, April 11, 10 a.m. – 3:30 p.m.  
Annex 1

### New! Violet – The Color of Mystery

*Natural dye scarf-dyeing workshop*

Violet is known as the color of mystery and imagination. In this one-day workshop, students will use dyes from the Americas to produce rich, subtle tones of violet. Each student will take home a dyed scarf. Dye materials and scarf are included in the class fee. Dress for a mess! Open to all levels. A short supply list will be sent.

Pamela Feldman, artist and educator  
\$99 nonmember; members receive 20% discount  
Thursday, April 18, 9 a.m. – 1 p.m.  
Annex 2

### New! Personalized Natural Perfume Workshop

Create a personalized natural aroma at this beginner-level workshop while learning about plant origins and distillation. Sample fragrant oils will be provided from around the world, including American clary sage, Egyptian jasmine, French lavender, Italian bergamot, and more. Choose a unique combination of oils for the instructor to blend into your own signature scent. Fee includes .25 ounce bottle of custom natural perfume to take home.

Jessica Hannah, natural perfumer and interdisciplinary artist, Linger Natural Perfume  
\$74 nonmember; members receive 20% discount  
Saturday, April 27, 1 – 3 p.m.  
Linnaeus Room

*Use fragrant oils to create a signature scent in the Personalized Natural Perfume Workshop.*

### Calligraphy and Floral Decoration

Learn the art of beautiful writing and the flourishes of botanical illustration: it's a match made in heaven! Beginners, start with the basics of calligraphy and floral decoration for invitations and cards. More experienced students, polish your skills and complete a project. A supply list will be sent.

Judith Joseph, artist and educator  
\$287 nonmember; members receive 20% discount  
6 Thursdays, May 2 – June 6, 12:30 – 3:30 p.m.  
Annex 2

### Rejuvenated Jewelry

Inspired by the little treasures you save and love, we will cleverly combine old and new elements to create spectacular jewelry. Bring your special and sentimental keepsakes, single earrings, buttons, charms, chains, family photos, and found objects and let Bonnie Arkin inspire your creativity. We can create wonderful new designs from vintage treasures. You will learn to solder, wire wrap, and string. Arkin has many examples to share and resources for treasure hunting. A supply list will be sent.

Bonnie Arkin, artist and designer  
\$129 nonmember; members receive 20% discount  
6 Thursdays, May 2 – June 6, 7 – 9 p.m.  
Annex 1

### New! A Painting in One Day with Mark McMahon

Don't miss this opportunity to work with nationally and internationally known artist Mark McMahon. He will pass on his knowledge of observation, composition, ideas in imaging, and the overall enjoyment of translating one's ideas onto paper without fear of failure. This class will work on documenting some of the goings-on around the Garden in reportage style. A supply list will be sent.

Mark McMahon, artist  
\$129 nonmember; members receive 20% discount  
Saturday, May 4, 9 a.m. – 2 p.m.  
Design Studio

### New! Botanical Art: Walk and Sketch Spring Wildflowers of Ryerson Woods

There is nothing quite like taking a stroll in the woods, discovering a wildflower, then sitting down and sketching it. In this field study and sketching class, instruction will be given in capturing botanical detail and characteristics. Students will be encouraged to use various media from pencil, pen and ink, colored pencil, to watercolor. The workshop is designed for students of all levels. A supply list will be sent.

Derek Norman, artist and director,  
Midwest Center for Botanical Documentation  
\$312 nonmember; members receive 20% discount  
6 Saturdays, May 4 – June 8, 1 – 4 p.m.  
Brushwood House, Ryerson Woods, Deerfield, IL

### Flower Arranging with Store-Bought Bouquets

Make your own professional-style arrangements using economical store-bought bouquets. Using simple design principles and fresh flowers from European-style displays in your grocery store, you will create beautiful results. Please bring pruners and a small box for your finished arrangement. All other materials are included.

Nancy Clifton, program specialist,  
Chicago Botanic Garden  
\$72 nonmember; members receive 20% discount  
Thursday, May 9, 10 a.m. – noon or 6:30 – 8:30 p.m.  
Plant Science Lab

### Beginning Landscape Watercolor

What could be a better spot to paint watercolor landscapes than the Chicago Botanic Garden? Beginners will learn various watercolor techniques, from washes to dry brush. Above all, we will relish the luxury of painting outside in the midst of such a stunning array of landscapes. A supply list will be sent.

Patsy Welch, artist and educator  
\$237 nonmember; members receive 20% discount  
6 Wednesdays, June 26 – July 31, 1 – 3:30 p.m.  
Design Studio





## BOTANICAL ARTS CERTIFICATE PROGRAM

### Expressive Watercolor

*ART requirement, expressive track*

Explore the fluid beauty of the watercolor medium. Each session will begin with an instructor demonstration. Then students will work from a looser to a tighter application, from a wet into wet beginning, to a more controlled found finish. There will be a strong emphasis on values and design.

Thomas Trausch, artist, TWSA master status  
\$287 nonmember; members receive 20% discount  
6 Saturdays, March 2 – April 6, 1 – 4 p.m.  
Design Studio

### Color Mixing

*ART requirement*

Learn to mix accurate, exciting color including the vivid, specific hues of flowers, the bright and subdued greens of leaves, and the deep, subtle colors in shadows. We'll make charts for permanent reference and then apply this knowledge to paint flowers and leaves from live specimens. We will work in watercolor, but exercises apply to all media.

Marlene Hill Donnelly, scientific illustrator,  
The Field Museum  
\$287 nonmember; members receive 20% discount  
6 Tuesdays, March 5 – April 9, 6 – 9 p.m.  
Design Studio

### Botanical Drawing 2

*ART requirement*

Continue to build your drawing skills with advanced graphite techniques, light and dark media on toned paper, and carbon dust. We will work outside whenever the weather permits. Prerequisite: Botanical Drawing 1.

Marlene Hill Donnelly, scientific illustrator,  
The Field Museum  
\$287 nonmember; members receive 20% discount  
6 Sundays, March 10 – April 28,  
9:30 a.m. – 12:30 p.m.  
(no class March 31 or April 21)  
Design Studio

*Refine your watercolor techniques in  
Marilyn Garber's Tulip Mania Workshop.*

### Tulip Mania!

Marilyn Garber, Watercolor Workshop  
Visiting Artist Program

*ART elective*

Tulips, the harbinger of spring and the plant that created quite a stir in the 16th century, are the subjects of this class. Students will draw and paint in watercolor the entire plant from bulb to flower. This three-day workshop will focus on composition, creating translucent petals, foreshortened leaves, the texture of the bulbs, and roots. Bring your watercolor skills to the next level! The School's CEUs= 1.8

Marilyn Garber, artist and educator,  
Minnesota School of Botanical Art  
at The Bakken Museum in Minneapolis  
\$449 nonmember; members receive 20% discount  
Friday – Sunday, April 12 – 14, 9 a.m. – 4 p.m.  
Design Studio



### Color Mixing 2

*ART elective*

Through exercises and demonstrations, this class will explore the more advanced aspects of color such as simultaneous contrast, color vibration, composing with color, mixing neutrals, and atmospheric perspective. Watercolor will be the primary medium but students may also work in hard pastel or colored pencil. The School's CEUs=1.2

Marlene Hill Donnelly, scientific illustrator,  
The Field Museum  
\$187 nonmember; members receive 20% discount  
4 Tuesdays, April 23 – May 14, 6 – 9 p.m.  
Design Studio



The Chicago Botanic Garden has a practice carillon in the Regenstein Center, which makes it possible for the Garden to offer instruction in carillon performance. Wylie Crawford, the Garden's resident carillonneur, will begin teaching in mid-April. For more information, please call (847) 835-8261.

Visit [www.chicagobotanic.org/school/faculty](http://www.chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.



Sunflower Study © Derek Norman

Discover pen-and-ink techniques in *Pen and Ink 1* and *2*.

### Pen and Ink 1

*ART requirement, traditional track*

This studio class will examine pen-and-ink drawing by the study of natural botanical forms, shapes, and dissections. We will study the use of a variety of pen-and-ink techniques (stipple, cross-hatching, contour-line, and combinations); the execution of black-and-white elements to create value, tone, and texture (such as leaf venation, stem texture, and shading); and create positive and negative tones to create depth and dimension. Prerequisite: Botanical Drawing 1.

Derek Norman, artist and director,  
Midwest Center for Botanical Documentation  
\$287 nonmember; members receive 20% discount  
6 Mondays, May 6 – June 17, 6 – 9 p.m.  
(no class May 27)  
Design Studio

### Pen and Ink 2

*ART requirement, traditional track*

This studio class will cover advanced pen-and-ink techniques and composition in classic botanical documentation and illustration. We will draw advanced plant forms and their parts under the microscope, developing sound linear and tonal concepts, communicating accurate botanical information and the aesthetics of botanical drawing and composition. Students will work using both a crow quill (dip pen) and technical drawing pens. Prerequisites: Botanical Drawing 1, Pen and Ink 1.

Derek Norman, artist and director,  
Midwest Center for Botanical Documentation  
\$287 nonmember; members receive 20% discount  
6 Mondays, July 29 – September 9, 6 – 9 p.m.  
(no class September 2)  
Design Studio

### Outdoor Sketching

*ART requirement*

Learning how to make quick studies in the field is an important skill. You will gain the experience to create these sketches, complete with notes on field conditions, colors, plant measurements, and textures, for a complete work-up in the studio. Please dress for the weather. Folding chairs are provided. In case of inclement weather, the class will draw in the Greenhouses.

Priscilla Humay, freelance artist, CPSA  
\$287 nonmember; members receive 20% discount  
6 Saturdays, June 8 – July 20, 9 a.m. – noon  
(no class July 6)  
Design Studio

### Watercolor 1

*ART requirement*

Students will build skills, starting with basic color mixing and paint-handling exercises. Students will progress to rendering textures and form in color and using paint-layering techniques to achieve a naturalistic style.

Nancy Halliday, freelance artist and naturalist  
\$287 nonmember; members receive 20% discount  
6 Tuesdays, July 16 – August 20, 6 – 9 p.m.  
Design Studio

### Botany for Botanical Artists

*ART requirement*

This class is designed with the botanical artist in mind. The focus will be on the visual aspects of botany rather than the study of internal features and processes. This class will distill the terminology of botanists into an understandable and useful form. Lectures and demonstrations will explore vascular plant parts including flowers, stems, leaves, and roots.

Richard D. Hyerczyk, botanist  
\$224 nonmember; members receive 20% discount  
5 Wednesdays, July 24 – August 28, 6 – 9 p.m.  
(no class August 7)  
Plant Science Lab, Regenstein Center

### Adult Education Information Session

From watercolor to yoga and birding to botany, adult education has something for everyone. Begin your day with a fitness walk and finish with an afternoon class on viburnums. Join us at this free information session to discover a range of classes for the beginner, the hobbyist, the career changer, and professionals. Please register to save your space!

Monday, March 4, 6 – 8 p.m.  
Linnaeus Room

Visit [www.chicagobotanic.org/school/faculty](http://www.chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.

# Photography

## New! Tram Photo Safari

Grab your camera and join us on this first-ever photo safari to often unexplored areas of the Garden. First, join Jack Carlson, Garden instructor and tram driver, for photo tips and information. We will then board the tram and travel to the 100-acre oak ecosystem of the Mary Mix McDonald Woods, followed by the 15-acre Dixon Prairie Preserve with such photogenic areas as Marsh Island and the dunes. Enjoy individualized photo instruction along the way. Digital or film cameras only. Tripod strongly suggested. Please pencil in June 15 as a rain date.

Jack Carlson, certified professional photographer  
\$99 nonmember; members receive 20% discount  
Saturday, June 8, 8 a.m. – noon  
Meet in Garden View Room



Expand your photography skills while discovering the Garden.

## FOCUS ON PHOTOGRAPHY CERTIFICATE PROGRAMS (FPC)

### Beginning Digital Photography

#### FPC requirement

This course will help beginners and enthusiasts grasp the techniques and principles of photography. Participants will explore the basics of photography, including image composition rules, how the camera works, the functions of lens aperture and shutter speed, proper exposure, and some minimal photo processing. By the end of class, participants will be confident in using their camera's manual settings. Course requires a digital SLR camera. No previous experience required.

Jenn Gaudreau, professional photographer  
\$225 nonmember; members receive 20% discount  
6 Wednesdays, March 20 – April 24, 10 a.m. – noon  
Design Studio

You do not need to pursue a certificate to participate in these courses unless a prerequisite is listed.

### New! Black and White Photography: A Study of Shadows and Texture

#### FPC elective

Students will explore the creation of photographic images beyond color, looking into the shadows and textures that lay beneath nature's color spectrum using plants and objects found at the Chicago Botanic Garden. Tonality and dynamic range will be included as well as the potential of depth of field. The Zone System of shooting in black and white will also be discussed. Digital SLR cameras are mandatory. The School's CEUs=1.25

Tobin Fraley, photographer  
\$229 nonmember; members receive 20% discount  
5 Thursdays, March 28 – April 25, 6:30 – 9 p.m.  
Design Studio

### New! Documenting Nature

#### FPC requirement, nature and wildlife track

Students will learn how to document the natural world and how to tell a story through the creation of compelling images. Class will be held outside for part of each day, so please dress for the weather. A review of your images will be available online through Flickr. A macro lens, telephoto lens, and knowledge of your camera settings are required.

Carol Freeman, naturalist photographer  
\$225 nonmember; members receive 20% discount  
4 Saturdays, March 30 – April 20, 8 – 11 a.m.  
Seminar Room, Plant Science Center

### Intermediate Photography Portfolio Workshop

#### FPC requirement, fine art track

The Garden will serve as a natural laboratory as we explore a variety of photographic techniques to take you from an ordinary snapshot to botanic art. Heavy emphasis will be put on finding your own artistic style while advancing your photographic skill set and beginning to create your own botanic art portfolio. This course is designed for intermediate photographers. You will walk away with your own set of professionally produced images. Digital SLR cameras are mandatory.

Sarah Postma, professional photographer,  
Sarah Postma Photography  
\$374 nonmember; members receive 20% discount  
8 Tuesdays, April 2 – May 21, 9 – 11:30 a.m.  
Design Studio

### Advanced Photography Portfolio Workshop

#### FPC requirement, fine art track

This course is designed for photographers comfortable with the skills and techniques necessary to produce portfolio-quality images. Must be comfortable with aperture and shutter speed. With skills honed, the class will heavily explore art direction, composition, and elements within the art of photography. Time in the classroom is immediately followed by time outdoors dedicated to practicing new artistic components. You will walk away with your own set of professionally produced images, which will be ready to submit for the 2013 Student Botanical Photography Exhibition. Digital SLR mandatory. Prerequisite: Intermediate Portfolio Class.

Sarah Postma, professional photographer,  
Sarah Postma Photography  
\$374 nonmember; members receive 20% discount  
8 Tuesdays, April 2 – May 21, 1 – 3:30 p.m.  
Design Studio

## Basics of Editing – Photoshop I

### FPC requirement option

The Chicago Botanic Garden is a spectacular place to take photographs. Make your photographs even better with Adobe Photoshop Elements—a user-friendly photo editor that uses the same concepts as the full version of Photoshop. Learn how to make your images better through the use of selection tools, layers, and smart brushes. Play with some artistic options that can inspire abstractions. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera.

Iris Allen, freelance photographer and instructor  
 \$187 nonmember; members receive 20% discount  
 4 Thursdays, April 18 – May 9, 1 – 3:30 p.m.  
 Design Studio

Classes are subject to change.  
 For the most current listings visit  
[www.chicagobotanic.org/school](http://www.chicagobotanic.org/school).

Explore Textures and Patterns in Nature  
 Photography.

## Spring Garden Photography

### FPC elective

Join Jack Carlson on a photographic journey through the Garden to capture those subtle signs of the season that are often overlooked. From new pinecones in the Dwarf Conifer Garden to cygnet trumpeter swans, spring will be here in many forms just waiting to be photographed. Participants are strongly urged to bring a tripod. A close-focusing lens would be helpful, but is not required. Both film and digital capture are welcome. The School CEUs=1.2

Jack Carlson, certified professional photographer  
 \$225 nonmember; members receive 20% discount  
 4 Saturdays, April 27 – May 18, 9 a.m. – noon  
 Linnaeus Room

## New! Textures and Patterns in Nature Photography

### FPC fundamental course, fine art track

Develop your artistic vision by using natural and artificial light to discover textures and patterns in the Chicago Botanic Garden. With your SLR camera flash, flashlights, the sun, and other light sources you will capture textures to create a 3D world showing the rhythm of nature. This intermediate class will include an opportunity to use strobe lighting, light tables, and backdrops for the study of textures in composition. Class will include lecture, critique, and time in the Garden.

Dianne Kittle, fine art photographer  
 \$225 nonmember; members receive 20% discount  
 6 Wednesdays, May 1 – June 5, 10 a.m. – noon  
 Design Studio

## Basics of Editing – Photoshop 2

### FPC elective

Take the next step and learn even more about Adobe Photoshop. This more advanced class will further your knowledge of selections and layers, allowing you to do some serious photo enhancement and manipulation. We will tackle some interesting projects such as black-and-white with color accents, old photo restoration, and abstract art creation. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera. Prerequisite: Photoshop 1, or approval of instructor. The School's CEUs = 1.0

Iris Allen, freelance photographer and instructor  
 \$187 nonmember; members receive 20% discount  
 4 Thursdays, May 16 – June 6, 1 – 3:30 p.m.  
 Design Studio

## New! Basics of Editing – Aperture 1

### FPC requirement option

Aperture 3 is the next logical step for photographers still using iPhoto. Aperture is a professional-grade processing software designed by Apple to help photographers manage and edit their images with a higher level of control and expression. In this course, you will learn Aperture 3 setup, workflow, file management, processing, and image exporting. You'll also learn to tag, name, size, and sharpen your images. By the end of this course, you will have taken control of the organization and archiving of your photos, and have the skills to create your own processing workflow in Aperture 3. A personal laptop with Aperture 3 installed is required.

Kevin Malella, fine art/commercial photographer  
 \$187 nonmember; members receive 20% discount  
 4 Tuesdays, June 18 – July 9, 1 – 3:30 p.m.  
 Design Studio

## New! Basics of Editing – Aperture 2

### FPC elective

In this course, you will polish your editing workflow, file management, and increase your processing skills in Apple's Aperture 3. You'll also learn to create slideshows, map the locations of your images, utilize the facial recognition built into the program, and publish your images to social media and websites directly from Aperture. By the end of this course, you will have created customizations and workflow changes in your copy of Aperture 3 that will take your image processing to the next level. A personal laptop with Aperture 3 installed is required. Prerequisite: Aperture 1, or approval of instructor. The School's CEUs=1.0

Kevin Malella, fine art/commercial photographer  
 \$187 nonmember; members receive 20% discount  
 4 Tuesdays, July 16 – August 6, 1 – 3:30 p.m.  
 Design Studio



## Wellness & Fitness

### ***Treewhispers: Awakening Your Heartfelt Connection to Trees***

Today we will be inspired by hundreds of artists, poets, students, and tree lovers who have shared their stories and art with the *Treewhispers* project. Your morning will proceed with meditative visualizations and flute music played from the heart to awaken your connection to trees. Next, we will explore the Garden to find a tree that speaks to you—to study and to listen to during quiet meditative moments. Come prepared to learn, relax, and enjoy the morning. Please dress for the weather.

Pamela Paulsrud, artist and creator of *Treewhispers*  
\$59 nonmember; members receive 20% discount  
Thursday, March 7, 9 a.m. – noon  
Linnaeus Room

### **Meditation Walk: The Cycles of Life**

What better way to enjoy the spring weather and nourish your spirit at the same time than an early morning meditation walk at the Chicago Botanic Garden? Come prepared to relax and renew as we slowly walk around the Great Basin, making four stops for guided meditation with accompanying music. The four life-cycle images we will focus on are creation/birth, growth, pain and loss, and new life. Each image will be linked to our own life experiences, and you will have private time to contemplate, journal, wander, and breathe. This event will take place rain or shine as we can utilize covered spaces if needed.

Mary Ann Spina, teacher, writer, and counselor  
\$25 nonmember; members receive 20% discount  
Saturday, May 18, 8 – 10 a.m.  
Meet at Visitor Center



## FITNESS WALKS

**Maximize the benefits of walking for exercise by learning about proper posture, muscle strengthening, and stretching. The Chicago Botanic Garden's outdoor environment is a unique alternative to a health club, offering fresh air and a place where beautiful scenery changes weekly. All fitness levels are accommodated. Dress for the weather; wear comfortable clothing and walking shoes. The incremental multi-session pass allows the walker to choose which sessions to attend during the season.**

Esther Gutiérrez-Sloan, certified personal trainer and president, SALSArobics, Inc.

**# of Sessions                      Nonmember Fee**  
(members receive 20% discount)

4 Sessions	\$63 nonmember
8 Sessions	\$119 nonmember
12 Sessions	\$166 nonmember
16 Sessions	\$199 nonmember
Season Pass	\$337 nonmember
Drop-in Rate	\$15

Saturdays, April 6 – November 16, 8 – 9 a.m.  
Meet in Visitor Center

## YOGA CLASSES

**Yoga is an ancient practice that unites body, mind and spirit. For all sessions, wear comfortable clothing (sweats, shorts, or yoga pants) with socks or bare feet. Yoga mats are required. It is also suggested that you bring a towel with you, as well as a sweatshirt for cool-down. All yoga classes last approximately 75 minutes. On occasion, when weather permits, class will occur outdoors in one of the beautiful areas of the Chicago Botanic Garden. One-time class trial fee: \$20.**

### **Yoga for a Balanced Body Workshop**

Yoga brings balance to our lives. In this workshop we create a safe, positive environment to reconnect with our bodies and quiet the counterproductive messages that often arise in our minds. Through movement, breath, and contemplation we will explore the ways we can regain our body's balance toward an optimum weight. Learn how we can change the relationship between mind and body, including our approach to food and eating. Bring a yoga mat and water. Dress for comfort. A catered lunch will be part of the experience. All are welcome.

Steve Nakon, director, Whole Journey Northwest Yoga  
\$150 nonmember; members receive 20% discount  
Friday, April 5, 9 a.m. – 3 p.m.  
Fairchild Room

*Take advantage of the Garden's beauty as you exercise in Fitness Walks.*

### **Gentle Yoga**

A series of yoga poses and breathing exercises designed and adapted for a tranquil, relaxing yoga experience. In this course, we will take a gentle, restorative approach to the practice. All students are welcome. Come and enjoy a sense of peace and balance.

Steve Nakon, director, and Patricia Nakon, co-director, Whole Journey Northwest Yoga

Spring session  
\$170 nonmember; members receive 20% discount  
10 Mondays, April 1 – June 10 (no class April 15),  
9 – 10:15 a.m. or 5:15 – 6:30 p.m.

Summer session  
\$135 nonmember, members receive 20% discount  
8 Mondays, June 24 – August 12, 9 – 10:15 a.m. or  
5:15 – 6:30 p.m.  
Garden View Room

### **Introductory Yoga**

A course for the newer student focusing on yoga movement and breathing basics. We will investigate how the principles of yoga help support health and well-being. All are welcome. Join us as we explore the yoga basics.

Steve Nakon, director, Whole Journey Northwest Yoga

Spring session  
\$170 nonmember; members receive 20% discount  
10 Wednesdays, April 3 – June 12 (no class  
April 17), 5:15 – 6:30 p.m. or 7 – 8:15 p.m.

Summer session  
\$135 nonmember, members receive 20% discount  
8 Wednesdays, June 26 – August 14, 5:15 – 6:30 p.m.  
or 7 – 8:15 p.m.  
Garden View Room

### **Yoga Flow Beginner**

The Yoga Flow series combines movement linked to the breath, working the body and engaging the mind. A moderately challenging course for students with some yoga experience.

Steve Nakon, director, Whole Journey Northwest Yoga

Spring session  
\$170 nonmember; members receive 20% discount  
10 Tuesdays, April 2 – June 11 (no class April 16),  
9:15 – 10:30 a.m. or 6 – 7:15 p.m.

Summer session:  
\$135 nonmember, members receive 20% discount  
8 Tuesdays, June 25 – August 13, 9:15 – 10:30 a.m. or  
6 – 7:15 p.m.  
Garden View Room

### Yoga Flow Intermediate

The Yoga Flow series combines movement linked to the breath, working the body and engaging the mind. A more exhilarating, challenging Flow series. For students who have taken Beginner Flow or have comparable experience.

Steve Nakon, director, Whole Journey Northwest Yoga

Spring session

\$170 nonmember; members receive 20% discount  
10 Tuesdays, April 2 – June 11 (no class April 16),  
8 – 9:15 a.m.

Summer session

\$135 nonmember, members receive 20% discount  
8 Tuesdays, June 25 – August 13, 8 – 9:15 a.m.

or

Spring session

\$170 nonmember; members receive 20% discount  
10 Thursdays, April 4 – June 13 (no class April 18),  
9 – 10:15 a.m. or 6 – 7:15 p.m.

Summer session

\$135 nonmember, members receive 20% discount  
8 Thursdays, June 27 – August 15 (no class July 4),  
9 – 10:15 a.m. or 6 – 7:15 p.m.  
Garden View Room

### Gentle Yoga and Meditation

All levels of fitness and experience are welcome in this class, which will include meditative movement and contemplative stillness. We will focus on the breath and relieving stress.

Steve Nakon, director, Whole Journey Northwest Yoga

\$170 nonmember; members receive 20% discount  
10 Wednesdays, April 3 – June 12 (no class April 17),  
9:15 – 10:30 a.m.  
Linnaeus Room

*Students at every level enjoy yoga with instructor Steve Nakon.*



### TAI CHI CLASSES

Tai chi's fluid movements make the Chicago Botanic Garden an ideal location for classes. People of all ages and physical conditions can learn these movements. Tai chi is best practiced in loose clothing and stocking feet or comfortable flat shoes. On occasion, when weather permits, class will occur outdoors in one of the beautiful areas of the Chicago Botanic Garden. One-time class trial fee: \$20.

#### Tai Chi 101

This course will introduce students to Sun-style and Yang-style Tai Chi Chuan. We will focus on basic principles to improve your balance and relaxation, and also increase your range of motion and reduce stress. This class of gentle movements is recommended for beginners and provides you with a solid foundation for choosing future studies. No previous tai chi experience is required, and all are welcome.

Gordon Lock, instructor

\$165 nonmember; members receive 20% discount

Spring session

10 Wednesdays, March 13 – May 22  
(no class April 17)  
8 – 9 a.m.

Summer session

10 Wednesdays, June 5 – August 14  
(no class July 3)  
8 – 9 a.m.  
Burnstein Hall

#### Tai Chi: Traditional Yang-Style Long Form

This course continues with in-depth study of the Yang style. Some qigong exercises, such as the Eight Pieces of Brocade, will also be practiced. In session we will emphasize the ABCs—alignment, breathing, and concentration. Tai Chi 101 or some Tai Chi experience recommended.

Gordon Lock, instructor

\$165 nonmember; members receive 20% discount

Spring session

10 Wednesdays, March 13 – May 22  
(no class April 17), 9:15 – 10:15 a.m.

Summer session

10 Wednesdays, June 5 – August 14 (no class July 3),  
9:15 – 10:15 a.m.  
Burnstein Hall

#### Tai Chi: Traditional Sun-Style Long Form

This course continues with in-depth study of the Sun style. Some qigong exercises, such as the Eight Pieces of Brocade, will also be practiced. In session we will emphasize the ABCs—alignment, breathing, and concentration. Tai Chi 101 or some Tai Chi experience recommended.

Gordon Lock, instructor

\$165 nonmember; members receive 20% discount

Spring session

10 Thursdays, March 14 – May 23 (no class April 18),  
8 – 9 a.m.

Summer session

10 Thursdays, June 6 – August 15 (no class July 4),  
8 – 9 a.m.  
Burnstein Hall

#### Simplified Yang-Style Tai Chi Chuan

We will practice all 24 postures of Tai Chi Chuan and the technique for each movement will be discussed. The routine may be completed in less than ten minutes. Members will build a solid foundation for balance and coordination. Qigong exercises will also be introduced to improve overall fitness.

Gordon Lock, instructor

\$165 nonmember; members receive 20% discount

Spring session

10 Thursdays, March 14 – May 23 (no class April 18),  
9:15 – 10:15 a.m.

Summer session

10 Thursdays, June 6 – August 15 (no class July 4),  
9:15 – 10:15 a.m.  
Burnstein Hall



# Youth and Family Programs

Early positive experiences in nature or other plant-rich environments can foster a lifelong appreciation of the natural world. That is why, with the support of the Guild of the Chicago Botanic Garden, we are deeply committed to engaging families and children of all ages with a year-round schedule of professionally designed, age-appropriate programs held throughout the Garden.

## Spring Break Camp Offers New Adventures Daily

Discover how nature is connected to art, cuisine, and conservation. Spring Break Camp is March 25 to 29, 9:30 a.m. to 3 p.m. daily, for children ages 5 to 8. Hands-on activities take place outdoors and inside and are taught by highly qualified, caring instructors. Every day offers a different adventure! Sign up for one day, several, or all five. Fee: \$69 per day, per child. Register at [www.chicagobotanic.org/springbreakcamp](http://www.chicagobotanic.org/springbreakcamp) by March 18.

### **New summer program for tiny tots, too!**

This summer, babies, toddlers, and their caregivers also can enjoy fun in the sun. Our brand new Bloomin' Garden Strollers program provides ample social play and outdoor activities for budding gardeners, ages 6 to 24 months, and accompanying adults. Enjoy brisk walks through the Garden. Stop at a different destination each week and chat with a Garden expert. Bloomin' Garden Strollers meets on Fridays from 9:45 to 11:15 a.m., June 21 to August 16. Fee: \$25 per day, per child. Visit [www.chicagobotanic.org/camp](http://www.chicagobotanic.org/camp) to register online.

*This summer, get your first-choice camp session! Sign up now for Camp CBG while space is still available for our most popular programs.*



## Family Programs

### Free Programs

#### Discovery Backpacks

Enliven your family's Garden visit using tools to identify and observe plants and animals. Check out one of our free Backpacks, available on a first-come, first-served basis at the Information Desk in the Visitor Center.

#### Story Time

**Mondays through May 20**  
10 – 11 a.m.

Stop by the Lenhardt Library on Monday mornings for nature-themed stories and hands-on activities. Geared toward children ages 2 to 5 with a caregiver. No program April 22.

Visit [www.chicagobotanic.org/familyprograms](http://www.chicagobotanic.org/familyprograms) for more information.

#### ScreenBreak Family Drop-in Activities

**Wednesday, March 6 & Friday, March 8**  
9 – 11 a.m.

Stop by for hands-on fun with plants and nature in the Greenhouses — try a scavenger hunt, practice watering plants, and more! Activities are geared toward 2- to 5-year-olds with a caregiver. No registration is required. Parking is free from March 3 – 9 for those families with a ScreenBreak button, wristband, or card. Offered in collaboration with the Winnetka Alliance for Early Childhood's ScreenBreak.

#### Malott Japanese Garden Spring Weekend

**Saturday, March 23 & Sunday, March 24**  
11 a.m. – 4 p.m.

Celebrate spring by writing a seasonal haiku, making a cherry blossom hanging scroll, or trying other hands-on activities. Enjoy suminagashi painting, storytelling and musical performances, and take a walk in the Japanese Garden.

Visit [www.chicagobotanic.org/familyprograms/dropin](http://www.chicagobotanic.org/familyprograms/dropin) for more information.

#### Malott Japanese Garden Children's Festival

**Saturday, May 18 & Sunday, May 19**  
10 a.m. – 2 p.m.

Learn about children's celebrations in Japan during this special weekend of activities. Listen to music, enjoy traditional folktales, and watch a tea ceremony. Kids of all ages can make projects to celebrate Girls' Day and Boys' Day — design a kimono paper doll, create a miniature carp kite, construct an origami samurai helmet, and more at family-friendly hands-on stations.

Visit [www.chicagobotanic.org/familyprograms/dropin](http://www.chicagobotanic.org/familyprograms/dropin) for more information.

## Fee-based Programs

#### Weekend Family Classes

**Saturdays and Sundays**

9:30 – 11 a.m. or 1 – 2:30 p.m.

**\$22 nonmember per child**

**Garden Plus members receive a 20 percent discount**

Together, adults and children ages 4 – 10 can explore cool things about how plants connect to science, art, history, and culture. Each Saturday or Sunday program includes a variety of hands-on activities and projects, as well as opportunities to bring the Garden home.

#### Homemade Ice Cream

**Sunday, March 3, or Saturday, March 23**

Get an up-close look at one of the world's tiniest seeds from the vanilla orchid, make a batch of ice cream, and pot up a plant that can flavor ice cream.

#### Insect Investigations

**Saturday, April 6, or Sunday, April 14**

Explore tiny critters like bees, crickets, and butterflies. Create a scientific tool to help you study insects at home, find out how bugs see, and plant some flowers that pollinators love to visit.

Visit [www.chicagobotanic.org/familyprograms](http://www.chicagobotanic.org/familyprograms) or call (847) 835-6801 for more information.

Free Summer  
Drop-in Programs  
start June 1, 2013.

*Adults and children explore the Garden together in Weekend Family Classes and Nature Nights.*

#### Nature Nights

**Saturdays, 5 – 7:30 p.m.\***

**\$25 nonmember per child**

**Garden Plus members receive a 20 percent discount**

Bring a picnic dinner and spend an evening in the Garden! Children ages 4 – 10 and their families will explore different areas of the Garden and enjoy a variety of discovery-based activities. Each Nature Nights also includes a tram ride, a planting project, and s'mores around the campfire.

\*Don't forget to bring a picnic dinner! Dessert is provided.

#### New! Ready, Set, Garden!

**June 1 or 15**

Discover what plants need to grow and learn some gardening basics as you plan, plant, mulch, and water in the Grunsfeld Children's Growing Garden. Then, pot up a plant to grow in your own garden at home.

#### New! Abounding Butterflies

**July 6 or 20**

As you wander the Butterflies & Blooms exhibition, learn how butterflies sense the world around them, find out about the butterfly life cycle, and discover how to attract butterflies to your garden. Take home a plant that will entice butterflies to visit your yard.

#### Aquatic Adventure

**August 3 or 17**

Gather your own water sample and look at plants, insects, and animals that live in the water at the Kleinman Family Cove using scientific tools. You'll even make an aquatic garden to take home.

#### Prairie Prowl

**September 7 or 21**

Explore the Dixon Prairie to learn how prairies grow, find the plants and animals that call it home, and pot up a native plant to take home.

Visit [www.chicagobotanic.org/naturenights](http://www.chicagobotanic.org/naturenights) or call (847) 835-6801 for more information.





## Birthday Parties

Celebrate your child's birthday with a garden-themed party! Choose from a variety of topics. All parties include educational, hands-on activities led by Garden staff. Every child takes home a plant plus additional items they've created. Parties can be scheduled year-round on Saturday or Sunday mornings or afternoons for children turning 4 and up. Garden Plus membership required. Visit [www.chicagobotanic.org/birthdays](http://www.chicagobotanic.org/birthdays) or call (847) 835-8275 for more information.

Group campouts  
will be back  
this spring!

Visit [www.chicagobotanic.org/afterschool/campouts](http://www.chicagobotanic.org/afterschool/campouts) for details.

## Youth Programs

### Scouts

#### Scout Badge Programs

**\$10/scout for 90-minute programs (ages 6 – 8)**  
**\$15/scout for 2-hour programs (ages 9 – 12)**

Scouts can work toward badges with challenging activities. Our wide range of scout programs take children throughout the Garden, and can be scheduled after school Monday through Friday and on Saturdays between 9 a.m. and 3 p.m.

Visit [www.chicagobotanic.org/scout](http://www.chicagobotanic.org/scout) or call (847) 835-8239 for more information about these programs.

#### Scout Seasonal Workshop: Earth Day

**Saturday, April 27**  
**9:45 a.m. – noon**

**\$12 per scout**

Celebrate Earth Day with hands-on activities! Scouts will discover signs of spring around the Garden on a scavenger hunt, give back to the earth with a project to help improve the Garden, and save resources by reusing items to make art inspired by the beautiful gardens. Adults should plan to stay with their Scouts for the duration of the program. At least one adult chaperone for every five Scouts is required.

Visit [www.chicagobotanic.org/scout/seasonal](http://www.chicagobotanic.org/scout/seasonal) or call (847) 835-6801 for more information.

### Spring Break Camp

**March 25 – 29, 2013**  
**9:30 a.m. – 3 p.m.**

**\$69 nonmember per child per day**  
**Garden Plus members receive a 20 percent discount**

Children ages 5 to 8 will participate in high-quality learning activities with experienced teachers who use inquiry-based, hands-on activities. Programming connects nature to a range of themes including art, cuisine, and conservation. This spring, children will dissect and plant seeds, explore fragrant herbs and flowers, search for birds and early spring plants on nature hikes, take a trolley ride around the Garden, create take-home science-themed projects, and much more!

Visit [www.chicagobotanic.org/springbreakcamp](http://www.chicagobotanic.org/springbreakcamp) to register or call (847) 835-6801 for more information.

*Scouts earn badges with challenging activities throughout the Garden.*



# Camp CBG

## NEW! My First Camp Bloomin' Garden Strollers

Ages 6 months – 2 years

\$25 nonmember per child per week  
9:45 – 11:15 a.m. Friday

Caregivers are invited to join our new social play program. You'll enjoy a brisk walk through the Garden, talk with a Garden expert, get behind-the-scenes information, and finish your morning with activities designed for our smallest visitors. Every week we will explore a new Garden theme. Camp meets in the Visitor Center.

## My First Camps

### New format and pricing for our youngest campers!

Would you like to spend some time learning, exploring, and bonding with your child in an engaging environment? Welcome to My First Camp! Each camp is offered two different weeks each summer. Choose a 9 or 10:30 a.m. camp to attend with your child.

### My First Camp Age 2

Age **2**

Born on or before September 1, 2011

\$40 nonmember per child per week

Garden Plus members receive a 20 percent discount

#### My First Camp Age 2 Information

Camp meets one Tuesday and Thursday from 9 to 10 a.m. or 10:30 to 11:30 a.m.

- An adult must accompany each registered child.
- To make camp enjoyable and fair to all, do not bring unregistered children, including siblings, to camp. Nursing mothers may call (847) 835-8361 to make arrangements.
- Camp meets in the Grunsfeld Children's Growing Garden, weather permitting. In the event of rain, camp will take place in the Learning Center.
- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.

#### Art & Music

July 16 & 18 or August 13 & 15

Share the joy of creating garden-inspired art with your child. Have fun practicing fine and gross motor skills while developing your child's appreciation of nature and the arts.

#### Fantastic Foods

July 9 & 11 or August 6 & 8

Is your tot interested in helping out in the kitchen, setting the kitchen table, or eating new foods? Discover new foods, prepare a tasty snack, and work on kneading, mixing, grating, and spreading skills.

#### My First Garden

June 18 & 21 or July 23 & 25

Your little gardener will dig, sow, and harvest with our child-sized tools! Grow those gardening skills by digging in the dirt and helping us create a garden!

#### Small Scientists

June 25 & 27 or July 30 & August 1

Toddlers will explore the world using magnets, water, sand, and the colors of the Garden. Discover textures and smells in nature, practice observation skills, and use scientific tools.

### My First Camp Age 3

Age **3**

Born on or before September 1, 2010

\$60 nonmember per child per week

Garden Plus members receive a 20 percent discount

#### My First Camp Age 3 Information

Camp meets one Monday, Wednesday, and Friday from 9 to 10 a.m. or 10:30 to 11:30 a.m.

- An adult must accompany each registered child.
- To make camp enjoyable and fair to all, do not bring unregistered children, including siblings, to camp. Nursing mothers may call (847) 835-8361 to make arrangements.
- Camp meets in the Grunsfeld Children's Growing Garden, weather permitting. In the event of rain, camp will take place in the Learning Center.
- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.

#### Art & Music

July 15, 17, 19 or August 12, 14, 16

Preschoolers' creativity will thrive with nature inspired art and music activities. Engage in clay work, movement, music, and interactive storytelling with your little one at the Garden.

#### Fantastic Foods

July 8, 10, 12 or August 5, 7, 9

You and your preschooler will discover the different foods that come from plants. Plant an herb garden, practice slicing, pouring, and chopstick skills, and make a fruit salad!

#### My First Garden

June 17, 19, 21 or July 22, 24, 26

Your preschooler will create a garden and care for plants, from planting to watering to harvesting. Taste the bounty of the Garden and sell produce at our Farmers' Market!

#### Small Scientists

June 24, 26, 28 or July 29, 31, August 1

Preschoolers will be introduced to the parts of a flower; learn about ants and their body parts; and explore wind, water and worms through developmentally appropriate activities.

### Green Sprouts

Most children are 4 or 5

\$205 nonmember per child per camp

Garden Plus members receive a 20 percent discount

#### Green Sprouts Information

Camps meet Monday through Friday from 9:30 a.m. to noon or 12:30 to 3 p.m.

- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.

#### Bug Brigade

June 24 – 28, 9:30 a.m. – noon or

July 22 – 26, 9:30 a.m. – noon or

August 5 – 9, 12:30 – 3 p.m.

Is your child fascinated by bugs? Children will get up-close and personal with butterflies and bees, learn how their favorite insects see, and make a bug sucker to collect and study insects.

#### Fun with Physics

July 15 – 19, 9:30 a.m. – noon or

August 12 – 16, 9:30 a.m. – noon

Green Sprouts will perform basic physical science experiments and discover the laws that rule the natural world. They'll explore why items sink or float, how magnets work, and static electricity.

#### Garden Expedition

July 8 – 12, 9:30 a.m. – noon or

August 12 – 16, 12:30 – 3 p.m.

Young ecologists will investigate trees, leaves, prairie plants, and aquatic creatures, discovering all that the natural world of Illinois has to offer. They'll learn how to preserve these wonders for future generations.

#### Habitat Hunters

June 24 – 28, 9:30 a.m. – noon or

July 22 – 26, 12:30 – 3 p.m.

Habitat Hunters will explore the different habitats the Garden has to offer, learn how to track animals, and make a habitat for one of the creatures that live here.

#### Hidden Treasures

June 17 – 21, 9:30 a.m. – noon or

July 8 – 12, 12:30 – 3 p.m. or

August 12 – 16, 9:30 a.m. – noon

Campers will use a map to find their way, create a treasure chest, and dig up a treasure to keep. They'll also bring home a plant with a hidden treasure to share.

#### Mad Scientists

June 17 – 21, 9:30 a.m. – noon or

July 22 – 26, 9:30 a.m. – noon or

July 29 – August 2, 12:30 – 3 p.m.

For young explorers who have ever wondered how fireflies glow, why leaves change, whether fish sleep, or just WHY? They'll find these answers and many more as they become not-so-mad scientists.

Grades **Jk-K**

**Nature Art**

June 17 – 21, 12:30 – 3 p.m. or  
 July 15 – 19, 9:30 a.m. – noon or  
 August 5 – 9, 9:30 a.m. – noon

Explore all the ways to make art from nature! Green Sprouts will use the sun's power to make prints and dyes, use clay for sculpture, and become inspired by flowers with watercolor painting.

**Salad Science**

July 15 – 19, 12:30 – 3 p.m. or  
 August 5 – 9, 9:30 a.m. – noon

We eat parts of plants every day. Young food scientists will explore the Garden to discover how foods grow. We'll discover how plants change the sun's energy into energy for our bodies, prepare our own snacks, and plant a salad to take home!

**Sprouting Wizards**

June 24 – 28, 12:30 – 3 p.m. or  
 July 29 – August 2, 9:30 a.m. – noon

Kids become science wizards as they explore basic chemistry and the properties of solids, liquids, and gases through experimentation. No need to bring magic wands...we'll make our own!

**Super Seedlings**

July 8 – 12, 9:30 a.m. – noon or  
 July 29 – August 2, 9:30 a.m. – noon

Campers will dig, plant, water, weed, and sow in the Garden. Working together, they'll create a garden, practice seed dissection, and become true gardeners!

**Green Thumbs**

Most children are 6 or 7

\$205 nonmember per child per camp  
 Garden Plus members receive a 20 percent discount

**Green Thumbs Information**

Camps meet Monday through Friday from 9:30 a.m. to noon or 12:30 to 3 p.m.

- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.

**Art in the Garden**

June 17 – 21, 9:30 a.m. – noon or  
 August 5 – 9, 12:30 – 3 p.m.

Green Thumbs discover different natural artistic styles while they explore the Garden. They'll sculpt with clay, make plant dyes, and create their own paper.

**Incredible Edibles**

July 15 – 19, 9:30 a.m. – noon

Young chefs will explore the Garden with their taste buds and find out how plants turn the sun's energy into fuel for our bodies! We'll explore how we eat plant parts every day, harvest food grown in the Outdoor Classroom, make our own tasty snacks, and plant an herb garden to take home.

**Kinetic Kids**

July 15 – 19, 12:30 – 3 p.m.

Budding physicists will discover cool science tricks, explore the laws of motion, and perform physical science experiments with toys.

**Treasure Hunt**

July 8 – 12, 9:30 a.m. – noon or  
 August 12 – 16, 12:30 – 3 p.m.

Campers will develop map-reading skills, use compasses, and discover how archeologists excavate sites. They will create a hidden treasure map and find secret plant treasures, too.

**Expert Wizardry**

June 24 – 28, 9:30 a.m. – 3 p.m.

Young wizards will discover the magic of science as they create strange potions and perform unbelievable experiments while learning basic chemistry. No book of spells necessary—we'll make our own.

**Explore Your World**

July 29 – August 2, 12:30 – 3 p.m. or  
 August 12 – 16, 9:30 a.m. – noon

Curious campers will learn about the natural world through guided exploration and discovery by visiting the many habitats at the Garden. They'll also learn how to help preserve these habitats.

**Plant People**

July 8 – 12, 12:30 – 3 p.m.

Young horticulturists will explore the fascinating life cycle of plants with plenty of opportunity for scientific discovery, hands-on experiments, and garden cultivation.

**Grossology**

June 17 – 21, 12:30 – 3 p.m. or  
 July 29 – August 2, 9:30 a.m. – noon

Campers will uncover the science behind "gross" things around and inside them as they explore slimy and smelly natural phenomena. They'll use their observation skills along with scientific tools.

**Wildlife Wanderers**

June 24 – 28, 12:30 – 3 p.m. or  
 July 22 – 26, 9:30 a.m. – noon

Junior ecologists will study creatures on the ground, in the air, and in the water. Create a science kit, plant a terrarium, identify trees and animal tracks, and record everything in your journal.

**Insect Investigation**

July 22 – 26, 12:30 – 3 p.m. or  
 August 5 – 9, 9:30 a.m. – noon

Bug lovers, unite! Green Thumbs will search for insect homes, make insect display cases, and create insect-vision glasses to take home.



## Explorers

Most children are 8 or 9

**\$205 nonmember per child per camp**  
**Garden Plus members receive a 20 percent discount**

Grades **3-4**

### Explorers Information

Camps meet Monday through Friday from 9:30 a.m. to noon or 12:30 to 3 p.m.

- Dress for the weather.
- Pack a water bottle and snack daily.

### Alfresco Art

**July 15 – 19, 12:30 – 3 p.m. or**  
**August 5 – 9, 9:30 a.m. – noon**

Campers will become artistically inspired by the Garden and try their hand at botanical illustration, sculpture, printmaking, and painting. We'll explore new techniques each day of this outdoor art program.

### Botany in the Kitchen

**July 8 – 12, 9:30 a.m. – noon or**  
**August 12 – 16, 12:30 – 3 p.m.**

Young chefs will discover how fruits, vegetables, herbs, and nutrients make cooking fascinating. They'll harvest vegetables and plant an herb garden.

### Camera Craft

**June 17 – 21, 9:30 a.m. – noon or**  
**July 29 – August 2, 12:30 – 3 p.m.**

Campers will learn the elements of composition and framing snapshots, and practice shooting photos around the Garden. They'll create a pinhole camera and rediscover the magic of nineteenth-century photography. Each camper must bring two disposable film cameras on the first day of camp.

## Dirty Jobs

**July 22 – 26, 9:30 a.m. – noon or**  
**August 5 – 9, 12:30 – 3 p.m.**

Have you ever wondered how dirty, grimy, and grubby you can get working in a garden? Campers see what is in a day's work at the Garden. Help keep our worm bins healthy, learn about the importance of compost, design and plant a garden, and meet a Garden scientist!

### Forensic Investigators

**June 24 – 28, 12:30 – 3 p.m. or**  
**July 29 – August 2, 9:30 a.m. – noon**

This year's all-new mystery will require young CSI team members to try investigative techniques used by the pros to help us get to the bottom of this summer's hot case.

### Garden Caching

**June 17 – 21, 12:30 – 3 p.m. or**  
**July 15 – 19, 9:30 a.m. – noon**

A new Garden adventure awaits! Explorers will search for hidden caches using compasses, maps, and GPS as they learn the etiquette of geocaching. They'll also create a cache for others to find.

### Konnichiwa Japan

**July 8 – 12, 12:30 – 3 p.m. or**  
**August 12 – 16, 9:30 a.m. – noon**

Time for immersion in Japanese culture as we explore Sansho-En, learn the art of bonsai, create sushi-inspired snacks, discover the art of calligraphy, and visit the Shoin House.

### Surviving Outdoors

**June 24 – 28, 9:30 a.m. – noon or**  
**July 22 – 26, 12:30 – 3 p.m.**

Explorers will discover the secrets pioneers used to find water, make a collection of safe and useful plants, create a shelter, and learn about how to predict weathers and storms.

## Adventurers

Most children are 10 – 12

**\$420 nonmember per child per camp**  
**Garden Plus members receive a 20 percent discount**

Grades **5-7**

### Adventurers Information

Camps meet Monday through Friday from 9:30 a.m. to 3 p.m.

- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.
- Campers must bring a peanut-free lunch that does not require refrigeration.

### Art

**July 8 – 12, 9:30 a.m. – 3 p.m. or**  
**August 5 – 9, 9:30 a.m. – 3 p.m.**

Artists will introduce Adventurers to the use of various media to create their own art. Using the Garden as a backdrop, students will develop their photography, sculpture, and drawing skills. They'll explore the use of natural materials and learn various tricks of the trade used by professional artists.

### Chemistry

**July 15 – 19, 9:30 a.m. – 3 p.m. or**  
**August 12 – 16, 9:30 a.m. – 3 p.m.**

Who knew chemistry could be so cool? Adventurers will explore the basics of chemistry and chemical reactions. By performing simple experiments, they will develop a basic understanding of acids and bases, fine-tune measurement skills, and understand the importance of accurate data observation and recording.

### Cuisine

**June 24 – 28, 9:30 a.m. – 3 p.m. or**  
**July 29 – August 2, 9:30 a.m. – 3 p.m.**

Calling all aspiring chefs! Campers will discuss menu techniques and preparation; learn principles of cooking with fruits and vegetables; improve basic chopping skills; and learn the importance of kitchen safety, setting a table, plating dishes, and creating a healthy meal. We'll use our harvest in simple summer recipes—ice cream, pasta, and more!

### Ecology

**June 17 – 21, 9:30 a.m. – 3 p.m. or**  
**July 22 – 26, 9:30 a.m. – 3 p.m.**

What does an ecologist do at the Garden? Adventurers will discover what scientists do as they explore the Garden's native Illinois habitats. Campers will conduct studies in our prairie, wetland, and woodland habitats, becoming familiar with native species. They will perform their own surveys, identifications, and field observations.





## NEW! Two-Week, Full-Day Camps

It is a whole new adventure at Camp CBG in our two-week, full-day camps for Green Thumbs and Explorers! Campers will explore all the Garden has to offer, make new friends, and jump into a fun-filled, outdoor, and educational camp program. Remember to pack a water bottle and snack daily, along with a peanut-free lunch that does not require refrigeration.

### Green Thumbs

Most children are 6 or 7

Grades **1-2**

#### Create & Grow

June 17 – 28

July 22 – August 2

9:30 a.m. – 3 p.m.

**\$840 nonmember per child per camp**

**Garden Plus members receive a 20 percent discount**

Calling all creative kids! Campers will explore the Garden with art, music, cooking, yoga, and planting activities that encourage creative multimedia expression. Spend two weeks of your summer being inspired by the Garden.

### Science Trekkers

July 8 – 19

August 5 – 16

9:30 a.m. – 3 p.m.

**\$840 nonmember per child per camp**

**Garden Plus members receive a 20 percent discount**

Campers will dig deeper into the scientific process while discovering the crazy, fun, science happening at the Garden. We will investigate plant, animal, and human adaptations, try our hand at chemistry, and dabble in some physics. Science activities will connect the Garden with the Land of Oz.

### Explorers

Most children are 8 or 9

Grades **3-4**

#### Artist-in-Residence

June 17 – 28

July 22 – August 2

9:30 a.m. – 3 p.m.

**\$840 nonmember per child per camp**

**Garden Plus members receive a 20 percent discount**

Does your child enjoy the arts? Explorers will discover all that the Garden has to offer an aspiring artist. We will create one-of-a-kind masterpieces that are visual, culinary, movement- or textile-based. Spend two weeks of your summer being inspired by the Garden.

### Science Explorer

July 8 – 19

August 5 – 16

9:30 a.m. – 3 p.m.

**\$840 nonmember per child per camp**

**Garden Plus members receive a 20 percent discount**

Explorers will investigate plant, animal, and human adaptations, while utilizing the scientific process. Ecology, botany, and physics, plus chemistry equals a whole lot of fun in this exciting two-week camp.

## Camp Registration and Cancellation Policies

### Registration Deadline

Registration is open until camps fill or one week prior to the start date of camp. You will receive an automated reply immediately upon completion of your online registration.

### Membership

Garden Plus and above members receive a 20 percent discount on all Camp CBG programs! Those holding individual Garden memberships will not receive this discount. Please call (847) 835-8215 if you would like to upgrade your membership in order to receive the discount. You will need to provide a member ID number at the time of camp registration. Please note that Garden membership is nontransferable.

### Age Limits

Please note the age groupings for each camp group. Campers must be entering the listed grade in fall 2013. We regret that we cannot make any exceptions to this policy. Campers in the Green Sprouts group and above must be toilet trained.

### Online Emergency Forms

Camp CBG does not require a medical examination to attend camp; however, we ask that you fill out our Online Emergency Form as soon as you complete your online registration. In order for your child to attend camp, we must have a completed health form on file by June 1, 2013. Visit [www.chicagobotanic.org/contact/index\\_camp.php](http://www.chicagobotanic.org/contact/index_camp.php) to see the form.

### Extra-Special Attention:

Please let us know on your child's Online Emergency Form, if your child has special needs: i.e. physical, emotional, educational, or medical. Advise us of any severe allergies or chronic illness. This includes information regarding food or airborne allergies. If your child will require special accommodations, please call (847) 835-8361 to discuss your situation prior to registering.

### Pick-up/Drop-off

Camper drop-off and pick-up take place in our Learning Campus entry drive. You may park and walk your child to camp, or take advantage of our direct car drop-off/pick-up. Details will be communicated via e-mail to all registrants by June 1, 2013.

**Morning drop-off is 9:15 – 9:30 a.m.**

**Morning pick-up is at noon.**

**Afternoon drop-off is 12:15 – 12:30 p.m.**

**Afternoon pick-up is at 3 p.m.**

Camp groups will leave the drop-off area promptly at 9:30 a.m. for morning camps and 12:30 p.m. for afternoon camps. If a child misses the departure of his camp group, it is the responsibility of the caregiver who brings that child to check in, and then escort the camper to his/her camp location for that day.

### Please Do Not Bring To Camp

The Garden is NOT responsible for any item lost or broken during camp. Please leave the following items at home: personal video game players, cell phones, and MP3 players/iPods.

### Camper Code of Conduct

You will be asked to review the CBG Camper Code of Conduct upon completion of the Online Emergency Form:

- Campers will treat their fellow campers, instructors, and volunteers with respect.
- Campers will follow directions and stay with their group.

Please read and discuss these expectations with your child. In the event that a camper does not follow the Code of Conduct, or his or her behavior endangers other campers or interferes with an instructor's ability to provide programming, the coordinator of Camp Programs or camp instructor will inform the parent at pick-up or through a phone call. If a second incident occurs, parents may be asked to withdraw their child from camp. Refunds will not be given for behavior-related withdrawals.

### Cancellation Policy

You may cancel your child's Camp CBG registration up to two weeks before the first day of that camp. We are not able to give refunds for cancellations with less than two weeks' notice. Transfers will be granted up to one week before the start of a camp. A 10 percent administrative handling fee per child per camp will be assessed for all cancellations. To cancel, please call (847) 835-6801. If your child is unable to attend camp due to medical reasons, you may receive a refund (minus a 10 percent processing fee) at any time prior to the start of camp by providing a doctor's note. We are unable to refund for missed days of camp. Camp CBG registration fees are nontransferable. Camps canceled by the Garden because of low enrollment or Garden closure will be automatically fully refunded. The Garden reserves the right to cancel a camp due to low enrollment.

## New for 2013!

### Before- and After-Care

We are happy to offer before-camp and after-camp care for your camper. Program will be supervised by Camp CBG staff. Activities will include games, art projects, and gardening. Pack an extra snack for your camper for after-care. Fees are per week, and cannot be prorated for partial use; no discount for Garden Plus members is available. Comprehensive guidelines, including late fees, are available on the Camp CBG webpage.

**Grades PreK to 7**

**June 17 – August 16**

**Morning care 8 – 9:30 a.m. \$45/week per camper**

**Afternoon care 3 – 5 p.m. \$60/week per camper**

### Lunch

Camp CBG offers a supervised lunch period for Green Sprouts, Green Thumbs, and Explorers campers for \$10 per child per week. Pack a peanut-free lunch for your child that does not require refrigeration, and we will supervise your child during lunch (noon to 12:30 p.m.) and escort your child to his or her afternoon camp.

### Leader in Training

Our Leaders in Training (LITs), ages 13 – 15, will help prepare for camps, assist teachers during the day, and learn life skills in our two-week program. These skills will help LITs in future job searches and college preparation. For an application and further information regarding the LIT program, please contact the camp manager at (847) 835-8361.



# Camp CBG Schedule

	Time	June 17-21	June 24-28	July 8-12	July 15-19	July 22-26	July 29-August 2	August 5-9	August 12-16
Age 6 mos to 2 yrs My First Camp	9:45 – 11:15 a.m. F	Bloomin' Strollers	Bloomin' Strollers	Bloomin' Strollers	Bloomin' Strollers	Bloomin' Strollers	Bloomin' Strollers	Bloomin' Strollers	Bloomin' Strollers
Age 2 My First Camp	9 – 10 a.m. TTh 10:30 – 11:30 a.m. TTh	My First Garden	Small Scientists	Fantastic Foods	Art & Music	My First Garden	Small Scientists	Fantastic Foods	Art & Music
Age 3 My First Camp	9 – 10 a.m. MWF 10:30 – 11:30 a.m. MWF	My First Garden	Small Scientists	Fantastic Foods	Art & Music	My First Garden	Small Scientists	Fantastic Foods	Art & Music
Grades JK-K Green Sprouts	9:30 a.m. – noon	Hidden Treasures	Bug Brigade	Garden Expedition	Nature Art	Mad Scientist	Super Seedling	Salad Science	Fun with Physics
	9:30 a.m. – noon	Mad Scientists	Habitat Hunters	Super Seedlings	Fun with Physics	Bug Brigade	Sprouting Wizards	Nature Art	Hidden Treasures
	12:30 – 3 p.m.	Nature Art	Sprouting Wizards	Hidden Treasures	Salad Science	Habitat Hunters	Mad Scientists	Bug Brigade	Garden Expedition
Grades 1-2 Green Thumbs	9:30 a.m. – noon	Art in the Garden	Expert Wizardry	Treasure Hunt	Incredible Edibles	Wildlife Wanderers	Grossology	Insect Investigation	Explore Your World
	12:30 – 3 p.m.	Grossology	Wildlife Wanderers	Plant People	Kinetic Kids	Insect Investigation	Explore Your World	Art in the Garden	Treasure Hunt
Grades 1-2 Green Thumbs	FULL-DAY TWO-WEEK 9:30 a.m. – 3 p.m.	Create and Grow		Science Trekkers		Create and Grow		Science Trekkers	
Grades 3-4 Explorers	9:30 a.m. – noon	Camera Craft	Surviving Outdoors	Botany in the Kitchen	Garden Caching	Dirty Jobs	Forensic Investigators	Alfresco Art	Konnichiwa Japan
	12:30 – 3 p.m.	Garden Caching	Forensic Investigators	Konnichiwa Japan	Alfresco Art	Surviving Outdoors	Camera Craft	Dirty Jobs	Botany in the Kitchen
Grades 3-4 Explorers	FULL-DAY TWO-WEEK 9:30 a.m. – 3 p.m.	Artist-in-Residence		Science Explorers		Artist-in-Residence		Science Explorers	
Grades 5-7 Adventurers	9:30 a.m. – 3 p.m.	Ecology	Cuisine	Art	Chemistry	Ecology	Cuisine	Art	Chemistry



# Teacher and Student Programs

Plants deserve a prominent place in every school curriculum—after all, none of us would be here without them. Bring the world of plants to life in your classroom through our educational programs.

From field trips to teacher workshops and student internships, educators and students will gain botanical knowledge and deeper appreciation for the natural world. All programs support Common Core standards and Illinois state goals for learning.

## Put a Little Spring in Your Field Trip!

Spring is all about new beginnings—for teachers and students, that means a brand new spring field trip program! The Chicago Botanic Garden's Science Sleuths program has blossomed into something even better: Spring Garden Explorers. Taking advantage of our newly opened Kleinman Family Cove and Grunsfeld Children's Growing Garden—highlights of the Garden's innovative, three-acre Learning Campus—students in grades K through 5 will experience firsthand the wonders of horticultural and botanical sciences. For the first time, students will be able to plant an herb in-ground while learning proper gardening techniques and garden design. They will investigate fascinating garden creatures like pollinating insects, composting worms, and aquatic invertebrates. Students will each pot a plant to bring home. Spring Garden Explorers field trips are offered weekdays, April 23 to June 7. Programming aligns with Common Core standards and is grade differentiated, inquiry-based, experiential, hands-on, and FUN! Spring programs fill quickly, so register today! Visit [www.chicagobotanic.org/ctl/fieldtrips/](http://www.chicagobotanic.org/ctl/fieldtrips/) for more information.

*Located on restored shoreline gardens, the Kleinman Family Cove is the perfect place to investigate the importance of water quality and to study aquatic plants and animals.*





## Teacher Professional Development

We invite you to increase your understanding of plants and nature, build your repertoire of teaching techniques, and enliven your grades PreK – 12 classrooms, while earning professional development and graduate credit. **Visit [www.chicagobotanic.org/teacherprograms](http://www.chicagobotanic.org/teacherprograms) for more detailed program descriptions and to register for classes.**

Unless otherwise indicated, all programs are held from 8:30 a.m. to 4:30 p.m. at the Garden.

Become an Educator Member and receive a 20 percent discount on all professional development courses over \$100.

### Winter 2013

#### Fostering Early Childhood Inquiry

March 16 at the Chicago Botanic Garden  
March 23 at the Peggy Notebaert Nature Museum  
Saturdays

**\$150 (20 percent discount for Educator Members)**

**Grade level: PreK – 2**  
**CPDU credit: 15, Lane credit: 1,**  
**Graduate credit (additional fee): 1**

Children are naturally curious about the world. Learn how to encourage this curiosity through inquiry and help young students develop science process and critical thinking skills. Explore how to lead science- and nature-based conversations, integrate natural objects and the outdoors into your teaching, conduct simple experiments, and more.

### Spring 2013

#### New! Edible Science

April 20 & 27 at the Chicago Botanic Garden  
Saturdays

**\$150 (20 percent discount for Educator Members)**

**Grade level: K – 12**  
**CPDU credit: 15, Lane credit: 1,**  
**Graduate credit (additional fee): 1**

Make science connections through one of your students' favorite things: food! Conduct experiments using everyday foods to investigate concepts in biology and chemistry. Through simple hands-on activities, we will explore topics such as plant parts, nutrition, freezing points, yeast, and much more.

#### Form and Function

May 11 at the Brookfield Zoo  
May 18 at the Chicago Botanic Garden  
Saturdays

**\$150 (20 percent discount for Educator Members)**

**Grade level: K – 12**  
**CPDU credit: 1, Lane credit: 1,**  
**Science graduate credit (additional fee): 1**

Meet some weird and wonderful examples of life in the plant and animal kingdoms that inhabit a variety of ecosystems. Hands-on investigations will center on animal dentition, the structure of cells, camouflage, attracting pollinators, and taxonomy. Attention will be paid to structural, physiological, and behavioral adaptations.

### Summer 2013

#### One- and Two-Day Programs The 15th School Garden Conference: Solving Problems with School Gardening

June 29 at the Chicago Botanic Garden  
Saturday

**\$95**

**Grade level: K – 12**  
**CPDU credit: 7**  
**Lane and Graduate credit available if combined with School Garden Road Trip (below)**

School gardens present many challenges and opportunities. This year's conference will offer practical ways to keep your garden growing. It will incorporate inquiry-based lesson ideas that get your students using the garden to understand the real world. Session topics will include growing plants indoors and outdoors, science- and inquiry-based activities, gardening with different age groups and abilities, climate change in the garden, and funding resources. See registration form for lunch options.

#### School Garden Road Trip

July 13  
Saturday

**\$75**

**Grade level: K – 12**  
**CPDU credit: 7**  
**Teachers who attend both the School Gardening Conference and the School Garden Road Trip are eligible for 1 Lane credit and 1 Graduate credit (additional fee).**

Pack a lunch and join us on a tour of school gardens in the Chicago area. Learn directly from the schools about their challenges and successes and how their teachers use the gardens to enliven their curriculum. Explore school garden themes, techniques, and ideas for using school gardens to make cross-curricular connections. The bus will leave from the Garden at 8 a.m. and will make stops in the city to pick up other participants.

#### From Our Noses to Our Toes: Exploring Nature through Our Senses

August 7 at the Chicago Botanic Garden  
Wednesday

**\$85**

**Grade level: Birth – PreK**  
**CPDU credit: 7, Early Intervention credit: 6.5**

Join us for a fun-filled day of nature activities for infants and toddlers. Learn techniques for introducing nature to our younger students through sensory exploration and hands-on learning stations. This class is designed for early intervention providers, day-care providers, parents, and anyone who works with infants to 3-year-olds, and is adaptable for PreK educators.

*Teachers learn the characteristics of plant families by studying them close up.*



## Weeklong Summer Institutes

### Nature in the City

July 8 – 10 & September 21 at the

Chicago Botanic Garden

Monday – Wednesday & Saturday

July 11 – 12 at the Peggy Notebaert Nature Museum

Thursday – Friday

\$285

Grade level: K – 12

CPDU credit: 45, Lane credit: 3, Graduate credit: 3

Urban environments provide a wealth of opportunities for students to learn about plant and animal interactions. Join us in a weeklong exploration of urban ecology featuring pollination, seed dispersal, protection from herbivores, adaptations, and more. Engage in activities and experiments designed to connect your students to the nature in their community and discover ideas for enhancing the habitat on your school grounds.

### Exploring Nature with Young Children

July 15 – 16, 19 & October 5 at the

Chicago Botanic Garden

Monday – Tuesday, Friday & Saturday

July 17 – 18 at the Kohl Children's Museum

Wednesday – Thursday

8:30 a.m. to 4:30 p.m.

\$285 (20 percent discount for Educator Members)

Grade level: PreK – 2

CPDU credit: 45, Lane credit: 3, Graduate credit: 3

Join the Chicago Botanic Garden and the Kohl Children's Museum in exploring ways to connect young children with nature that foster inquiry and basic scientific skills. Learn about conducting nature walks and outdoor explorations, exploring plant and animal interactions and habitats, and connecting nature with art. Receive training in the Council for Environmental Education's Growing Up Wild curriculum for PreK. Receive a copy of the curriculum guide for an additional fee.

### Earth Partnership for Schools: Great Lakes Summer Institute

July 29 – August 2 & December 7

Lake and McHenry counties

Monday – Friday & Saturday

\$100

Grade level: K – 12

CPDU credit: 45, Lane credit: 3,

Graduate credit: 3

In this outdoor, hands-on institute, teams will learn about the Chicago region's rich culture and native plants in local Great Lakes habitats as a basis for interdisciplinary K – 12 curriculum activities, teacher professional development, and citizen science. Participants will gain the knowledge and leadership necessary to lead their students in building a native garden at their school. For registration for the EPS-GL please contact Melissa Alderson at (847) 968-3320.

## Other Teacher Programs

### Custom Workshops

Education staff can develop custom workshops to be delivered at your site. Teachers, administrative staff, and parent or neighborhood volunteers can all participate through active learning that models grade-appropriate techniques for integrating plant-based learning into the curriculum. Please call Teacher Programs at (847) 835-8253 for more information about scheduling and pricing for custom workshops.

### Green Teacher Network

The Chicago Botanic Garden, Garfield Park Conservatory Alliance, and Openlands have teamed up to form the Green Teacher Network. This collaboration encourages Chicago-area schools to adapt plant-based education activities, and supports teachers' efforts to build and use school gardens as curricular tools. For more information or to become a member, contact Kristin LoVerde at Openlands at (312) 863-6153.

### Gardening Courses

Windy City Harvest offers gardening workshops that can help you start and maintain your school garden. Community Workshops are scheduled for 5 or more participants, and can be held at your school or our site for a fee of \$39 per person. Topics range from starting seeds to pest control to small tool usage. For a complete list of topics and other information, visit [www.chicagobotanic.org/windycityharvest/](http://www.chicagobotanic.org/windycityharvest/) courses or e-mail [windycityharvest@chicagobotanic.org](mailto:windycityharvest@chicagobotanic.org) with "Community Workshops" in the subject line.

### Free Classroom Resource Kits to Borrow

We offer a variety of Illinois Department of Natural Resources (IDNR) educational loan kits with materials for teachers to use in the classroom. Borrowing a kit requires a \$50 deposit, which is refunded upon the return of the complete kit. For IDNR kit availability and to arrange for kit pickup, call (847) 835-8253.

*Teachers observe nature—big and small—in a woodlands ecosystem.*



## School Field Trips at a Glance

Age Group	Program	Early Fall 9/10-10/12/12	Late Fall 10/15-11/9/12	Holiday 11/26-12/14/12	Winter 1/28-4/5/13	Spring 4/23-6/7/13
PreK – K	Discovering Plants					
PreK – 2	Trees and Trains					
K – 2	Garden Groceries					
	Insect Investigations					
3 – 5	Sansho-En					
	Spring Garden Explorers					
	Surprising Seeds					
	Woodland Habitat					
	Edible Botany					
	Flower Lab					
	Forest Food Chains and Webs					
	Plant Propagation					
	Pondering the Prairie					
	Spring Garden Explorers					
6 – 8	Ecosystems and Plant Adaptations					
	Green Buildings					
	Water Quality					
9 – 12	Green Buildings					
	Photosynthesis Lab					
	Water Quality					

## Student Field Trips

Enrich your students' lives with a visit to the Garden. Choose from a variety of programs that feature plant and nature topics appropriate for specific grade levels. Guided and self-guided options are available. **Visit [www.chicagobotanic.org/ctl/fieldtrips](http://www.chicagobotanic.org/ctl/fieldtrips) for complete program information and to schedule your visit.**

**New!** We changed the name of our popular Science Sleuths program to Spring Garden Explorers. It's the same great program in a new location, and with a few new activities to engage students' hands and minds. (See listings for more details.)

### Homeschool Groups

We welcome you to register for field trips to the Garden. If your homeschool group includes a range of ages, please review our complete program descriptions online and select a program that best matches your group's grade level and knowledge base.

## Guided Field Trips

Unless otherwise stated, programs cost \$120 per class of 30 students. Available dates and times vary with the program.

Guided programs are led by trained facilitators, and engage students in hands-on activities to teach them about plants and habitats found at the Garden. Field trips include outdoor exploration activities, so please dress for the weather. Visit [www.chicagobotanic.org/ctl/fieldtrips](http://www.chicagobotanic.org/ctl/fieldtrips) for more detailed grade-specific program descriptions, applicable state standards, and to schedule your visit.

## Guided Programs PreK

Maximum 25 students per class  
Available 9:30 – 11 a.m. or 10 – 11:30 a.m.  
A 1:5 ratio of chaperones to students is required.

### Discovering Plants

Early Fall, Late Fall, Winter, Spring

Students will become junior botanists as they learn about the roles of plant parts. To experience plant parts in action, students will explore the new Grunsfeld Children's Growing Garden and pot a plant to take home.

## Guided Programs PreK – 2

Maximum 25 PreK or 30 K – 2 students per class  
Available Monday through Friday, 10 a.m. – noon  
A 1:5 ratio of chaperones to students is required.

### Trees and Trains

Holiday

Learn how to identify evergreen tree families by touch and sight. Learn about their special adaptations to the change in seasons. Visit the enchanting Wonderland Express exhibition to see the trees and trains. Students will take home a special holiday craft.

## Guided Programs K – 2

\$120 per class of up to 30 students  
Available Monday through Friday, 10 a.m. – noon  
A 1:5 ratio of chaperones to students is required.

### Surprising Seeds

Early Fall, Late Fall, Holiday, and Winter

What is inside a seed? As junior botanists, students learn about seed parts and how they work together to produce a new plant. Students will pot a seed to take home and also look for seeds in the Garden.

### Garden Groceries

Early Fall

Students will discover the relationship between plant parts and the foods we eat. A Garden exploration to study living examples that are in season is included. Students pot an edible plant to take home.

### Insect Investigations

Early Fall

There is more to life in the garden than just plants. Come see the Garden through insect eyes, learn about insect characteristics, and observe unique relationships between plants and insects. Students will pot a plant to take home.

### Woodland Habitats

Early Fall and Late Fall

Students will learn about woodland habitats and survey the Garden's woodland using their senses and will record their observations in a field book. Woodland programs take place outdoors in McDonald Woods.

## Sansho-En

### Winter

Your students will venture outside to tour Sansho-En, the Malott Japanese Garden, for an immersion experience in Japanese gardens. They will return to the classroom to create a take-home meditation garden.

## Spring Garden Explorers

### Spring

Discovery stations around the Learning Campus make your visit an exciting outdoor experience with plants and the creatures living in the Garden and in our lakes. Design and plant a garden bed in the new Growing Garden and pot a plant to take home.

## Guided Programs 3 – 5

**\$120 per class of up to 30 students**

**Available Monday through Friday, 10 a.m. – noon**

**A 1:7 ratio of chaperones to students is required.**

## Flower Lab

### Early Fall, Late Fall, Holiday, and Winter

Why do plants make flowers? As junior botanists, students learn about flower parts and how flowers, with pollinators' help, produce seeds. Students will search for different flowers around the Garden and plant a flower seed to take home.

## New! Edible Botany

### Early Fall

How are plant parts and their functions related to the foods we eat? A Garden exploration to study living examples that are in season is included. Students pot an edible plant to take home.

## Pondering the Prairie

### Early Fall

Students explore the prairie, focusing on plant adaptations and ecosystem interactions by comparing two prairie types. Prairie programs take place outdoors in the Dixon Prairie.

## Forest Food Chains and Webs

### Early Fall and Late Fall

Students find evidence of food chains and food webs throughout the woodlands, and learn about common woodland trees. They record their observations in a field journal. Woodland programs take place outdoors in McDonald Woods.

## Plant Propagation

### Winter

Clone a new plant from part of another one! Compare and experiment with some different methods of propagating plants as you learn about various ways plants reproduce. Plant a stem cutting to take home and watch the roots grow.

## Spring Garden Explorers

### Spring

Discovery stations around the Learning Campus make your visit an exciting outdoor experience with plants and the creatures living in the Garden and in our lakes. Design and plant a garden bed in the new Growing Garden and pot a plant to take home.

## Guided Programs 6 – 8

**\$120 per class of up to 30 students**

**Unless otherwise stated, available Monday through Friday, 10 a.m. – noon**

**A 1:10 ratio of chaperones to students is required.**

## Water Quality

### Early Fall

Students will learn about the aquatic ecosystem by collecting and testing water samples, identifying organisms that indicate water quality, and conducting a chemical assessment. Please prepare your students for field investigations outside.

## Ecosystem and Plant Adaptations

### Early Fall, Late Fall, Holiday, and Winter

How do plants fit their place? Discover how plants have adapted to abiotic factors in an ecosystem. Student investigations include learning about the unique abiotic conditions that define many of the ecosystems of the world, including those in Illinois.

## Green Buildings

### Spring, Tuesdays and Thursdays

Visit the Daniel F. and Ada L. Rice Plant Conservation Science Center to learn about the conservation features of this remarkable building. Students will explore the Green Roof Garden and create their own roof design.

## Guided Programs 9 – 12

**\$120 per class of up to 30 students**

**Unless otherwise stated, available Monday through Friday, 10 a.m. – noon**

**A 1:10 ratio of chaperones to students is required.**

## Water Quality

### Early Fall

Students will learn about the aquatic ecosystem by collecting and testing water samples, identifying organisms that indicate water quality, and conducting a chemical assessment. Please prepare your students for field investigations outside.

## Photosynthesis Lab

### Late Fall, Holiday, and Winter

Students will explore photosynthesis, investigating how and where it takes place, how plants obtain the materials necessary for it to occur, and its products. Students will use scientific equipment to measure gas exchange in plants.

## Green Buildings

### Spring, Tuesdays and Thursdays

Visit the Daniel F. and Ada L. Rice Plant Conservation Science Center to learn about the sustainable features of this remarkable building. Students will explore the Green Roof Garden and create their own roof design.

## Guided Programs for Children with Special Needs K – 12

**Monday through Friday**

**\$120 (includes all materials)**

**Maximum number of children: 15**

Bring your students to the Chicago Botanic Garden for a customized therapeutic program in the Buehler Enabling Garden outdoor classroom. These one-hour programs provide a guided, structured experience with nature and are designed for youth with special needs. If you find it difficult to travel with your students, please contact us to discuss possible programs delivered in your school. Call (847) 835-6801 to learn more about horticultural therapy for your students or to schedule a program

## Self-Guided Field Trips

**Year-round**

**Monday through Friday**

**9 a.m. – 4:30 p.m.**

**\$30 per classroom (maximum 30 students)**

**No additional parking fee required**

Self-guided field trips allow students to explore while you lead them through the Garden. Register in advance and Garden staff will be available to discuss areas suited for any curricular topic, and distance to gardens.

## Self-Guided Activity Backpacks

**Year-round**

**Monday through Friday**

**\$10 per class**

Self-guided activity backpacks provide hands-on activities for teachers to lead while visiting the Sensory Garden, Malott Japanese Garden, and McDonald Woods. Each backpack includes all supplies for the activities for a group of 30 and can be checked out for either the morning (9 a.m. to noon) or the afternoon (12:30 to 3:30 p.m.).

Visit [www.chicagobotanic.org/ctl/fieldtrips/selfguide](http://www.chicagobotanic.org/ctl/fieldtrips/selfguide) for more information.

## Additional Field Trip Experiences

### Guided Walking Tours

Spring: April 23 through June 7  
Tuesdays and Thursdays

30 minutes

**\$80 classroom (maximum 30 students)**  
**A 1:7 ratio of chaperones to students is required.**

Explore the Garden with an expert. Tours allow students to explore one garden in more depth. Choose from one of the following: English Walled Garden, Greenhouse (select one), Malott Japanese Garden, or the Daniel F. and Ada L. Rice Plant Conservation Science Center (recommended for high-school students only).

### School Tram Tours

April 23 through October 27  
\$2.50 per person

Grades PreK, K – 2, or 3 – 6  
30 minutes

Embark on a delightful journey around the Garden. Your tram tour guide will show you things you might not notice on your own and invite you to search for clues to nature's secrets.

Grades 7 – 12  
35 minutes

Climb aboard for a narrated tram tour around the 2.6-mile perimeter of the Garden. Your tour guide will present highlights and history of this living museum, and share information about our research projects and conservation efforts.

### Model Railroad Garden

Available May 12 through October 27  
\$3 per person

Guide your students around our popular model railroad exhibition, where 7,500 square feet of miniature gardens and unique settings delight students and chaperones alike.

Visit [www.chicagobotanic.org/railroad](http://www.chicagobotanic.org/railroad) for more information.

### Butterflies & Blooms

Available June through August 2013  
\$3 per person

Summer groups: visit our outdoor, screened butterfly exhibition to encounter hundreds of live tropical butterflies from South America, Asia, North America, and Africa as well as native species from Illinois. Visit [www.chicagobotanic.org/calendar/butterflies](http://www.chicagobotanic.org/calendar/butterflies) for more information.

*College First students learn about species diversity by performing DNA tests on specimens at the Daniel F. and Ada L. Rice Plant Conservation Science Center.*

## In-School Programs

January 28 – April 5  
Tuesday and Thursday

**\$150 per class (maximum 30 students)**  
**\$100 for each additional class on the same day**

**Schools located more than 20 miles from the Chicago Botanic Garden will be charged a \$50 mileage fee.**

Let us come to you! Choose from a variety of programs that feature plant topics appropriate for specific grade levels. All programs support Illinois Science Standards, include live plants for students to study, and provide a plant for each child to pot and keep.

Visit [www.chicagobotanic.org/ctl/outreach/](http://www.chicagobotanic.org/ctl/outreach/) for more information.

## Science Career Continuum

### Great Summer Science Experiences for Students

The Garden is committed to encouraging interest in the natural sciences and promoting careers in botany, horticulture, ecology, and conservation science. The Science Career Continuum offers qualified students in middle school through college a series of age-appropriate opportunities to learn about science and conservation at the Garden.

#### Science First

Science First is a free four-week summer program for Chicago Public School students currently in grades 7 through 9. While enjoying hands-on, nature-based science activities, indoor and outdoor investigations, and exposure to real scientists who work at the Garden, students improve their understanding of the scientific method and careers in science. Transportation and free lunch are provided. CPS teachers are encouraged to share registration materials with promising students. Visit [www.chicagobotanic.org/sciencefirst](http://www.chicagobotanic.org/sciencefirst) for more information. Applications for summer 2013 are due on April 26.

## Real-World Science Investigations in the Classroom

### Project BudBurst

Join students and communities from across the country in collecting plant life-cycle data and entering it into our user-friendly database. Details, curriculum materials for grades K through 12, and data from past years are available at [www.budburst.org](http://www.budburst.org).

*Project BudBurst is supported by an anonymous donor.*

### College First

College First is an internship and field ecology course for CPS students entering their junior or senior year in fall. Students get paid and earn college credit while studying field ecology, conducting a research project, and working with scientists at the Garden. Students meet monthly during the school year to learn more about preparing for college. Transportation is provided. CPS teachers are encouraged to share registration materials with promising students. Visit [www.chicagobotanic.org/collegefirst](http://www.chicagobotanic.org/collegefirst) for more information. Applications for summer 2013 are due on April 12.

### Research Experiences for Undergraduates

The Garden's Research Experiences for Undergraduates (REU) program is a full-time, ten-week research internship for college undergraduates conducting research in plant biology and conservation. Students earn a stipend and money for living expenses while they work with research scientists and graduate students from the Garden and Northwestern University. Professional-development and social activities are also included. Please visit [www.cbgreu.org](http://www.cbgreu.org) for more information.

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## Community Gardening

Teens and young adults in Cook and Lake County communities benefit from organic gardening programs that teach useful skills, encourage healthy living practices, and improve self-esteem.

### Green Youth Farm

Each year, 70 students ages 13 to 18 learn and practice organic gardening from mid-May through mid-October, while earning money for their efforts. Through the program, students also learn teamwork, gain valuable job skills, and discover a whole new way to look at food. Students from Waukegan High School, North Chicago Community High School, North Lawndale College Prep, Manley Career Academy, and Farragut, Dunbar, Daniel Hale, DuSable, and Dyett high schools in Chicago are eligible to participate. Jr. Green Youth Farm serves middle-school students at Reavis Elementary School in collaboration with Elev8 and Quad Cities Development Corporation (QCDC). Visit [www.chicagobotanic.org/greedyouthfarm](http://www.chicagobotanic.org/greedyouthfarm) for more information.

### Windy City Harvest

Windy City Harvest trains adults in sustainable horticulture and urban agriculture. Both are dimensions of the urban greening and healthy, affordable, local food movements to which the Chicago Botanic Garden has an institutional commitment.

### Certificate Training

This nine-month college-credit certificate in organic vegetable production enrolls 15 to 20 students annually. Delivered by Garden staff at the Arturo Velasquez Institute, a Daley College campus, Windy City Harvest trains students in best practices for year-round gardening and sales of fresh vegetables. Graduates are now working in a range of full-time and seasonal jobs in the local horticulture and urban agriculture industry. Visit [www.chicagobotanic.org/windycityharvest](http://www.chicagobotanic.org/windycityharvest) for more information.

### Cook County Sheriff's Vocational Rehabilitation Impact Center (VRIC)

Windy City Harvest works with VRIC, training about 70 inmates in organic vegetable production. Participants gain skills and potentially find fruitful job opportunities after their release. Vegetables they grow are served in the camp's mess hall and are donated to local food pantries. Program graduates are now employed at a local compost operation and at the Chicago Botanic Garden as landscape crew.

### Native Seed Garden

Windy City Harvest is growing prairie plants in the city to see if urban farming of native species can be of service to the environment and gardeners alike. With the loss of natural habitat, seed production may be vital to preserving these increasingly rare plants. WCH participants learn about native plant gardening as a career option. The first site in Chicago's Bridgeport neighborhood resulted from a collaboration among Commissioner John P. Daley, Alderman James A. Balcer, the Chicago Botanic Garden, VRIC, and Archeworks.

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## Horticultural Therapy

### Horticultural Therapy Services

Since 1977, the Garden's Horticultural Therapy Services Program has supported the establishment of horticultural therapy programs at healthcare and human service agencies serving schools, VA hospitals, people with disabilities, and older adults in the Chicago region. The program serves as a primary regional, national, and international resource for information while offering a full range of professional training opportunities. Also available are consulting services in barrier-free greenhouse and enabling garden design, sensory landscaping, and horticultural therapy program planning. Visit [www.chicagobotanic.org/therapy](http://www.chicagobotanic.org/therapy) for more information.

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*Planting seeds is the first step in a summer of growing food and growing as a person in Windy City Harvest.*

