

# Keep Growing<sup>®</sup>

SPRING 2015



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.

### Picture Yourself in a Garden Photography Class!

Photography has never been more popular, particularly with the surge of smartphone cameras used by young and old alike. Seeking to take their photography to the next level, many have enjoyed participating in Jack Carlson's photography classes at the Chicago Botanic Garden. In a setting of incomparable visual richness, students learn how to use a digital camera to achieve precisely the images they wish to record.

Carlson is a learn-by-experience mentor, a teacher who leaves his own camera behind so he can offer practical hands-on guidance to students in a relaxed, collaborative environment. "After all," he said, "they aren't here to watch me take pictures; they want to experiment and learn for themselves. My job is to help them do this."



*Jack Carlson's photography classes at the Garden bring students of all levels new skills and perspectives.*

A certified professional photographer who began teaching at the Garden in 2009, Carlson currently leads a montage of photography courses for students of all levels, including beginners and those in the Focus on Photography Certificate Program. His classes are many and varied, and new in June is a class specifically for people with limited mobility. Explained Carlson, "At the Garden I'd see veterans and other individuals with disabilities watching companions taking photos. I thought maybe they'd want to take photographs, too."

Whether yours is a barely used older camera or a recent holiday gift, spring is the perfect time to learn how to use it. See page 56 for a schedule of upcoming offerings.



# Highlights

**New!** Intro to Photography for Persons with Limited Mobility

3 Mondays, June 8 – 22  
See page 56.

## New! The Victorian Garden

Saturday, March 21  
See page 51.



## New! Mushrooms for People and Planet

Saturday, May 9  
See page 44.

## The Dance of the Woodcocks

Friday, March 27  
See page 50.

## Gardens That Heal: A Prescription for Wellness

Wednesday, May 13  
See page 52.



## New! History of Tea

Saturday, May 2  
See page 46.

## New! Why Are Gardens Important?

Thursday, May 21  
See page 51.

## Hardscape Basics

10 Thursdays, May 28 – July 30  
and  
Saturday, June 13  
See page 52.



# 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 registrar@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 (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 (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 online program will be in January 2016, and the next on-site program will be in January 2017. Please visit [chicagobotanic.org/school/mastergardener](http://chicagobotanic.org/school/mastergardener) or call Jill Selinger at (847) 835-6849.

Interested in a customized class? Contact the registrar at registrar@chicagobotanic.org for more information.

*Discover a new passion in a Certificate Program at the Garden.*

## 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 [chicagobotanic.org/school/certificate](http://chicagobotanic.org/school/certificate). Contact Carissa Ilg at 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.
- **Focus on Photography (FPC)**  
This certificate program enables 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 or (847) 835-6849 for more information about the photography certificate.

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



## BONSAI WORKSHOPS

### Bonsai Specialty Series

In this series we will be covering topics and skills that will lead you from the beauty of displaying trees in winter right up to repotting and refining trees for display in the spring. These hands-on workshops will be interactive, fun, and of course, educational.

All sessions are taught by Chris Baker, curator of bonsai at the Chicago Botanic Garden.

### New! Soil Science and Fertilizing

Your trees' health starts below the pot line. This class takes an in-depth look at a multitude of soil components, organic vs. chemical fertilizers, mycorrhiza, and root health. Maximizing growth and maintaining tree health is key to creating quality bonsai. March is a great time to repot, so bring a tree in for repotting; soil will be made and provided for the class.

\$49 nonmember; members receive 20% discount  
Friday, March 27, 9 a.m. – noon  
Horticulture Conference Room, Rice Plant Resource Center

### New! Refinement Workshop

There are many different techniques used in bonsai. Each stage of a tree's development allows for more refinement. This class will cover the subtle refinement techniques used in show preparation and refined trees. Bring your tree in for refinement work just in time for the Midwest Bonsai Club's spring show in May.

\$49 nonmember; members receive 20% discount  
Friday, April 24, 9 a.m. – noon  
Horticulture Conference Room,  
Rice Plant Resource Center



## Bonsai Workshops

Learn from the masters

### 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.**

#### 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 health care specialist,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Saturday, March 28, 9 – 11 a.m.  
Seminar Room, Plant Science Center

#### 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. Heather Sherwood 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.

Heather Sherwood, senior horticulturist,  
Chicago Botanic Garden  
\$55 nonmember; members receive 20% discount  
Saturday, April 11, 12:30 – 3:30 p.m.  
Annex 2

#### 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 containers at home. Dress for the weather, as part of the class will be outdoors.

Heather Sherwood, senior horticulturist,  
Chicago Botanic Garden  
\$45 nonmember; members receive 20% discount  
Saturday, May 2, 1 – 3 p.m.  
Annex 1

#### 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 Chicago 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 16, 9 – 11 a.m.  
Annex 2

#### 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 17, 1 – 3 p.m.  
Linnaeus Room

## Horticulture

Horticulture courses help students acquire the information and techniques needed to grow ornamental plants and maintain a healthy garden or lawn.

### The Story of Vanilla

The Nielsen family will talk about the origin of vanilla; growing, harvesting, and curing vanilla beans; varieties around the world; flavor profiles; extraction; and applications. Their presentation will include photos, sample beans, and a smell test of various origins, and will conclude with a tasting.

Beth Nielsen, chief culinary officer,  
Nielsen – Massey Vanillas  
\$19 nonmember; members receive 20% discount  
Thursday, March 5, 1 – 2 p.m.  
Linnaeus Room

### Pansy Baskets

In this popular workshop, make two moss-lined wire baskets filled with pansies and other spring beauties to brighten your porch or patio. Pansies can withstand cool spring temperatures and provide an early splash of color in your garden. Please bring gloves. All other materials are provided.

Heather Sherwood, senior horticulturalist,  
Chicago Botanic Garden  
\$59 nonmember; members receive 20% discount  
Wednesday, March 25, 6:30 – 8:30 p.m.  
Annex 2

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

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



## Horticulture

Learn to grow and maintain a healthy garden.

### POULTRY PALOOZA!

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

All sessions taught by Jennifer Murtoff, Home to Roost Urban Chicken Consulting. Register for two sessions at once and receive a 10 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!

\$37 nonmember; members receive 20% discount  
Saturday, March 28, 10 a.m. – noon  
Annex 1

### 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.

\$37 nonmember; members receive 20% discount  
Saturday, March 28, 1 – 3 p.m.  
Annex 1

### New! Keeping Your Chickens Healthy

You've made the decision to raise chickens and you understand what they need in a home, now learn what is most important in keeping them healthy. Join us for a detailed discussion of common health issues and how you can treat them. This class addresses chicken physiology, disease transmission and prevention, as well as chicken first aid. Bring your questions!

\$49 nonmember; members receive 20% discount  
Saturday, April 25, 1 – 4 p.m.  
Annex 2

### 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  
Saturday, April 11, 9:30 a.m. – noon  
Seminar Room, Plant Science Center

### 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 11, 1 – 3 p.m.  
Linnaeus Room

### 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 15, 9:30 a.m. – noon  
Annex 1

### Seed Starting Primer

Seed starting is a fun way to expand your garden's potential. In this class, we will go over all the basics, including what seeds to start, choosing the proper location, lighting, containers, and soil mixes to ensure your success. Bill Shores will also cover the importance of keeping heirloom and unique plant varieties going through seed saving and starting, and will offer resources on this aspect for participants. Demonstration and hands-on activity are included.

Bill Shores, professional grower and garden consultant  
 \$37 nonmember; members receive 20% discount  
 Saturday, April 18, 9:30 – 11:30 a.m.  
 Seminar Room, Plant Science Center

### 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 in both 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  
 Saturday, April 25, 9:30 a.m. – noon  
 Fruit & Vegetable Learning Center

### Made for the Shade Hanging Basket

Do you admire those fabulous hanging baskets you see at the Chicago Botanic Garden? Learn some tricks of the trade during a discussion of different styles, materials, and plant ideas used at the Garden. Maintenance tips will also be discussed. Then you'll plant your own basket to enjoy at home. Bring gloves, if you prefer. All other materials are included in the fee.

Heather Sherwood, senior horticulturist,  
 Chicago Botanic Garden  
 \$87 nonmember; members receive 20% discount  
 Thursday, May 14, 6:30 – 8:30 p.m.  
 Annex 2

### NEW SERIES! ORGANIC VEGETABLE GARDENING SERIES

Join us as we spend an entire season in the Regenstein Fruit & Vegetable Garden learning about organic vegetable gardening. All sessions will be taught by Lisa Hilgenberg, horticulturist, Regenstein Fruit & Vegetable Garden, Chicago Botanic Garden. Classes will be a combination of lecture, demonstration, and outdoor practice; bring your gardening gloves. Register for two sessions at once and receive a 10 percent discount.

All classes held at the at Fruit & Vegetable Learning Center

#### The Organic Vegetable Garden in Spring

Learn about early-season vegetables that thrive in the cool spring temperatures. Discuss and practice early-season bed preparation, seed sowing, and harvesting techniques.

\$37 nonmember; members receive 20% discount  
 Saturday, April 18, 9:30 – 11:30 a.m.

#### The Organic Vegetable Garden in Summer

Through classroom discussion and outdoor activities, learn about heat-loving vegetables and herbs to grow in your summer garden. Related topics include direct sowing, transplanting, sustainable watering techniques, and more.

\$37 nonmember; members receive 20% discount  
 Saturday, May 16, 9:30 – 11:30 a.m.

#### The Organic Vegetable Garden in Autumn

The end of summer doesn't mean the end of home-grown vegetables. Discuss and practice how to get the most out of the growing season by adding cool-season vegetables to your fall garden. Learn about variety selection, mulching, and extending the season.

\$37 nonmember; members receive 20% discount  
 Saturday, August 8, 9:30 – 11:30 a.m.



Learn about organic vegetable gardening in the Regenstein Fruit & Vegetable Garden.

### New! Mushrooms for People and Planet: Ancient Allies for Modern Maladies

Join Paul Stamets, speaker, author, mycologist, medical researcher, and entrepreneur, for an informative lecture on mushrooms that aims to deepen your understanding of and respect for the organisms that literally exist under every footstep you take on this path of life. His presentation will cover a range of mushroom species and new research showing how mushrooms can help the health of people and planet.

The central premise is that habitats have immune systems, just like people, and mushrooms are the cellular bridges between the two. Our close evolutionary relationship to fungi can be the basis for novel pairings in the microbiome that lead to greater sustainability and immune enhancement.

Paul Stamets, D.Sc. (Hon.), is the founder of Fungi Perfecti and Host Defense Organic Mushrooms  
 \$12 nonmember; members receive 20% discount  
 Saturday, May 9, 4 – 6 p.m.  
 Alsdorf Auditorium, Regenstein Center

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

## FOUR SEASONS OF BEAUTY 2015: 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 Heather Sherwood and discover an array of striking plants, interesting color and texture combinations, and unique container arrangements. She will then help you create a seasonal container for your sun or partial shade patio or porch.

All workshops are taught by Heather Sherwood, senior horticulturist, at the Chicago Botanic Garden. Register for all four sessions at once and save 10 percent.

All workshops held in Annex 2

### 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 21, 10 a.m. – noon or 6:30 – 8:30 p.m.

### 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 16, 10 a.m. – noon or 6:30 – 8:30 p.m.

### 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 8, 10 a.m. – noon  
or 6:30 – 8:30 p.m.

### 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 1, 10 a.m. – noon  
or 6:30 – 8:30 p.m.



### New! History of Tea

From the solemn meditation rooms of China thousands of years ago, to planting the first seeds of global trade between the east and west, the story of tea is vast in its time scale, and compelling in a political, economic, and religious context. Many of the historical elements of the tea trade have formed the foundation for the world we live in today. Discover the fascinating history of tea around the world, and taste tea during the presentation.

Jordan Scherer, tea industry expert, entrepreneur, enthusiast

\$45 nonmember; members receive 20% discount  
Saturday, May 2, 1 – 3 p.m.  
Linnaeus Room

### New! Tea and Health

Since ancient times, plants have been used as catalysts for vitality and health. Tea has long been cherished in eastern cultures for its medicinal properties. Come learn about the latest studies championing tea as an antioxidant-rich, amino-acid powerhouse that helps our bodies function. In class we will taste the teas and discover the medicinal properties of the elixir of a long life.

Jordan Scherer, tea industry expert, entrepreneur, enthusiast

\$45 nonmember; members receive 20% discount  
Saturday, May 30, 1 – 3 p.m.  
Linnaeus Room

## HORTICULTURE CERTIFICATE OF MERIT PROGRAMS

### 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.

John Eskandari, horticulture educator, Urbanplantsman, LLC  
\$312 nonmember; members receive 20% discount  
6 Saturdays, March 28 – May 2, 7:30 – 10:30 a.m.  
(April 18 off-site)  
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 nonmember; members receive 20% discount  
Saturday, March 28, 9 a.m. – noon  
Plant Science Lab, Regenstein Center



## 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. 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, April 9 – May 21, 6:30 – 9 p.m.  
 (no class April 16)  
 and  
 Saturday, April 25, 1 – 4 p.m.  
 Annex 2

## Vibrant Viburnums

*OPC elective*

Viburnums are great multiseason plants that have grown in popularity. Discover what species and varieties might be right for your landscape. Care and potential problems will also be discussed. The School's CEUs=0.2

Sharon Yiesla, horticulturist, owner,  
 Sharon Yiesla Horticultural Services  
 \$62 nonmember; members receive 20% discount  
 Wednesday, April 15, 6:30 – 8:30 p.m.  
 Seminar Room, Plant Science Center

## Best New Annuals for 2015

*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 25, 1 – 4 p.m.  
 Linnaeus Room

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

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



## Botany 2, Spring Evening 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.

Jeffrey Gorra, consulting biologist,  
 X-Bar Diagnostics Systems, Inc.  
 \$337 nonmember; members receive 20% discount  
 6 Mondays & 6 Wednesdays, April 27 – June 3,  
 6:30 – 8:30 p.m.  
 Plant Science Lab, Regenstein Center

## Magnolias

*OPC elective*

The genus *Magnolia* is a complex group of plants with a large native range. Several of the species readily hybridize, producing new and interesting selections. The newest group of hybrids is the hardy yellow magnolia. New hybrids are introduced each year, creating an increasing palette of beautiful flowering trees for the Midwest. Learn more about the genus *Magnolia* and the best choices for the Midwest garden. The School's CEUs=0.3

Mark Zampardo, Ph.D., horticulture educator,  
 Chicago Botanic Garden  
 \$74 nonmember; members receive 20% discount  
 Wednesday, April 29, 9 a.m. – noon  
 Linnaeus Room

## Introduction to Oak Woodland Management

*OPC elective*

See page 50 for details. The School's CEUs=0.4

## 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.

Mark Zampardo, Ph.D., horticulture educator  
 \$287 nonmember; members receive 20% discount  
 7 Tuesdays, May 12 – June 23, 6:30 – 8:30 p.m.  
 Alsdorf Auditorium  
 Garden Walks (select one)  
 6 Thursdays, May 14 – June 18, 9 – 11 a.m.  
 or  
 6 Saturdays, May 16 – June 20, 9 – 11 a.m.  
 \*Optional Study CD \$20

## Ornamental Grasses

*OPC elective*

Ornamental grasses can provide beauty nearly all year long. The variety of size, shape, and color makes them a wonderful addition to any garden. Learn how you can incorporate these successfully into your landscape. The School's CEUs=0.2

Sharon Yiesla, horticulturist, owner,  
 Sharon Yiesla Horticultural Services  
 \$62 nonmember; members receive 20% discount  
 Thursday, May 21, 6:30 – 8:30 p.m.  
 Linnaeus Room

## New! Success with Rhododendrons

*OPC elective*

Rhododendrons are the most popular shrubs in America. Growing them in the Chicago region is sometimes challenging. Learn what works and how to select, plant, and care for rhododendrons in our area. The School's CEUs=0.2

Mark Zampardo, Ph.D., horticulture educator, Chicago Botanic Garden  
 \$62 nonmember, members receive 20% discount  
 Saturday, May 23, 1 – 3 p.m.  
 Plant Science Lab, Regenstein Center

## Organic Pests and Disease

*OPC elective*

Are you looking for an environmentally friendly and sustainable way to treat pest and disease challenges in your garden? Come learn about handling common pest and disease issues that you may encounter in your ornamental plantings and vegetable garden. You will come away with possible new ways to observe and identify what might be “bugging” your landscape and corrective steps that you can take to minimize or eliminate the issues. The School's CEUs=0.25

Lynn Bement, The Organic Garden Coach  
 \$62 nonmember; members receive 20% discount  
 Wednesday, June 3, 6:30 – 9 p.m.  
 Plant Science Lab, Regenstein Center

## New! Meet the Cultivars: Deciduous Trees

*OPC elective*

You've studied the species, now join us as we delve into the many cultivars of deciduous trees. We will discuss their desirable characteristics and how they differ from the species. This class will provide valuable information for those needing to select the perfect tree for their next design project or home garden. The School's CEUs=0.3

Mark Zampardo, Ph.D., horticulture educator, Chicago Botanic Garden  
 \$74 nonmember; members receive 20% discount  
 Saturday, June 6, 1 – 4 p.m.  
 Linnaeus Room

## Healthy Gardens

*OPC elective*

Would you like to create a landscape that is more resistant to insect and disease challenges? Come learn how to build up your soil organically. Regardless of whether you are starting from scratch with new construction or working with an older, existing landscape, come explore a guaranteed approach to building your soils in a healthy, environmentally friendly, and sustainable way! The School's CEUs=0.25

Lynn Bement, The Organic Garden Coach  
 \$62 nonmember; members receive 20% discount  
 Wednesday, June 10, 6:30 – 9 p.m.  
 Plant Science Lab, Regenstein Center

## Growing Vegetables 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 16 – July 28, 6:30 – 8:30 p.m.  
 (no class June 30)  
 Fruit & Vegetable Classroom and  
 Saturday, July 11, 9 a.m. – noon  
 Off-site farm visit

## Gardening Techniques: Session D

*PGL 1, PGL 2, GDC requirement*

Discover professional gardening through a combination of lecture and hands-on learning activities. Focus on acquiring solid gardening skills, learn about a variety of techniques, and develop the ability to determine best practices. Summer shrub pruning, maintenance of annual and perennial plantings, watering, and fertilization techniques will be covered. Due to the compact nature of this course, students are only allowed one excused absence if they wish to complete for a grade.

Lynette Rodriguez, owner and horticulturist, A Finer Touch  
 \$312 nonmember; members receive 20% discount  
 6 Saturdays, June 20 – August 1, 7:30 to 10:30 a.m.  
 (no class July 4th)  
 Annex 2

## Herbaceous Perennials

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

Information presented in this course will focus on ornamental qualities, identification techniques, cultural practices, and landscape uses of more than 60 herbaceous perennials. Plants studied will include favorites such as astilbe and hosta, in addition to lesser-known plants including meadow rue and toad lily. Prerequisite: Botany 1.

Jill Selinger, manager, adult education, Chicago Botanic Garden and William Moss, horticultural educator  
 \$287 nonmember, members receive 20% discount  
 7 Tuesdays, July 14 – August 25, 6:30 – 8:30 p.m.  
 Alsdorf Auditorium  
 Garden Walks (select one)  
 6 Thursdays, July 16 – August 20, 9 – 11 a.m.  
 or  
 6 Saturdays, July 18 – August 22, 9 – 11 a.m.  
 \*Optional study CD \$20

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

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

*Horticulture classes at the Garden offer students the opportunity to learn from experienced horticultural experts.*



## Nature Studies

The Chicago area contains a wide range of plants and animals living in different types of natural communities, from woodlands to wetlands, from prairies to savannas.

### 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 21, 7:30 – 9 a.m.**  
 or  
**Saturday, May 23, 7:30 – 9 a.m.**  
 Meet at the Visitor Center

### The Dance of the Woodcocks

#### Walk and Talk

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 fascinating birds will include a close-up look at woodcock specimens and a special demonstration of woodcock young when alarmed. We will then walk to a forest preserve to watch and listen for woodcocks and other birds that are active at dusk. Bring a flashlight and wear appropriate clothing. Please save April 3 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  
 \$24 nonmember; members receive 20% discount  
**Friday, March 27, 6 – 8 p.m.**  
 Middlefork Savanna, Lake County Forest Preserves, Lake Forest, IL

### New! Barbara Brown Nature Reserve Bird Walk

Join bird expert Alan Anderson and discover the Garden's 6-acre Barbara Brown Nature Reserve. The Reserve will provide you ample opportunities to view waterfowl, wading birds, and upland songbirds from the comfort of a pedestrian path. The walk is approximately one to two hours long. Dress for the weather, and bring binoculars and a field guide, if you have one. A map will be sent.

Alan Anderson, research committee chairman, Chicago Audubon Society  
 \$19 nonmember; members receive 20% discount  
**Saturday, April 25, 7:30 – 9 a.m.**  
 Meet at the Barbara Brown Nature Reserve, Chicago Botanic Garden

### When Nature Comes Home

*Shaping living landscapes through beauty and ecology*

A home garden is often seen as separate from the natural world surrounding it. In truth, it is actually just one part of a larger landscape made up of many living layers. The replacement of the rich layers of native flora with turf grass greatly diminishes a garden's biological diversity and ecological function. Learn how one residential association transformed their lawn areas into an award-winning, unfolding range of stunning multiseasonal prairie, woodland, and wetland. This class is ideal for those who wish to apply native micro-habitats and other eco-friendly landscapes around their home to enhance biodiversity, beauty, and environmental health.

Dennis Paige, native landscaper and consultant  
 \$37 nonmember; members receive 20% discount  
**Saturday, April 25, 10 a.m. – noon**  
 Linnaeus Room

### Glorious Spring Songbirds

In spring, myriad backyard birds start singing, while migratory birds begin to join them in northern Illinois. Learn why birds sing and ways to identify the birds you see and hear in your backyard and at local forest preserves by plumage and song. In the evening session, we'll discuss key identification marks and learn the songs of some common and not-so-common spring migrants found in backyards and forest preserves. During the walk on Saturday, we will look and listen for year-round birds including northern cardinal and black-capped chickadee and earlier migrants such as song sparrow, white-throated sparrow, eastern towhee, gray catbird, and yellow-rumped warbler.

Sheryl DeVore, author, *Birds of Illinois*, and chief editor, *Meadowlark*, journal of the Illinois Ornithological Society  
 \$79 nonmember; members receive 20% discount  
**Thursday, April 30, 6:30 – 8:30 p.m.**  
 and  
**Saturday, May 2, 7:30 – 10 a.m.**  
 Brushwood Center at Ryerson Woods, Riverwoods, IL

### Introduction to Oak Woodland Management

#### OPC elective

In this class we will discuss historical perspectives, ecological processes, evaluation, and restoration of oak ecosystems. You will learn about the threats that face our oak communities and what you can do to help restore them to a more diverse and functioning environment. A combination of classroom lecture and outdoor field tours will take a look at degraded areas and those having undergone years of restoration. Be prepared to hike through uneven terrain and unpredictable weather conditions.

Jim Steffen, ecologist, Chicago Botanic Garden  
 \$74 nonmember; members receive 20% discount  
**Saturday, May 2, 9 a.m. – 1 p.m.**  
 Plant Science Lab, Regenstein Center



### A Walk in the Wildflowers

Learn about native wildflowers while enjoying the beauty of Reed-Turner Woodland in Long Grove. The diverse habitat of this Illinois state nature preserve presents an opportunity to see a wide variety of spring blooms as we hike the trails through an oak woodland, ravine corridor, and sedge meadow. Please dress for the weather and feel free to bring your favorite field guide and/or camera. A map will be sent.

Sarah Schultz, steward, Reed-Turner Woodland  
 \$24 nonmember; members receive 20% discount  
**Saturday, May 9, 1 – 3 p.m.**  
 Reed-Turner Woodland Nature Preserve, Long Grove, Illinois

### 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 of the 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  
**Thursday, May 14, 9:30 – 11 a.m.**  
 Meet at the McDonald Woods entrance shelter

### 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 28, 6:30 – 9 p.m.**  
 Annex 2  
 and  
**Saturday, May 30, 7:30 – 9 a.m.**  
 Meet at the McDonald Woods entrance shelter

## 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! The Victorian Garden

What do carpet beds, moon gardens, cottage gardens, specimen trees, snowball bushes, and fragrant peonies have in common? They're all part of the tapestry that made up the American Victorian-era garden. In this class, we'll look at key design elements and plants that were admired by gardeners from the 1870s to the turn of the century.

Nina Koziol, garden writer  
\$37 nonmember; members receive 20% discount  
Saturday, March 21, 1 – 3 p.m.  
Linnaeus Room

### Elements of the Garden

Join Timothy Lally, ASLA, for this series of classes that explores the different landscape elements of a garden—walks and pathways, decks, patios, fences, latticework, lighting, water features, and art in the garden. Basic design considerations of each element will be covered in the classes.

### New! Patios

The patio is a place to enjoy meals, to entertain, to relax, and to spend time with family and friends. It is, in effect, your outdoor living room. Style, size, shape, and material are design elements that need to be considered when designing a patio. In addition to these elements, we will explore various paving materials such as brick, bluestone, concrete pavers, and limestone that complement the architectural style of your home and reflect the spirit of your garden.

Tim Lally, ASLA, PLA, principal, Timothy Lally Design  
\$37 nonmember; members receive 20% discount  
Monday, April 6, 6:30 – 8:30 p.m.  
Lakeside Room, Visitor Center

### When Nature Comes Home

*Shaping Living Landscapes Through Beauty and Ecology*

Saturday, April 25, 10 a.m. – noon  
See details on page 50.



## Garden Design

Learn how garden design relates to the environment.

### New! The Art of Shade Gardening: Seeing Your Way Out of the Dark

Shade gardening need not be frustrating. This talk will introduce enchanting perennials, flowering shrubs, and annuals for spring, summer, and fall color. The presentation also includes design tips and how to care for these beautiful gardens.

Kerry Mendez, garden designer and lecturer  
\$37 nonmember; members receive 20% discount  
Friday, May 1, 10 a.m. – noon  
Linnaeus Room

### New! Gardening Simplified for Changing Lifestyles: Plant This, Not That

Change happens. Many still dream of *Better Homes and Gardens* landscapes but reality has muddied the picture. Job demands, kids, money, hectic schedules, aging bodies, and changing interests have led to nightmare gardens. It's time for some editing. This inspiring lecture provides easy-to-follow downsizing strategies, recommended no-fuss plant material, and design tips for stunning year-round gardens that will be as close to autopilot as you can get.

Kerry Mendez, garden designer and lecturer  
\$37 nonmember; members receive 20% discount  
Friday, May 1, 1 – 3 p.m.  
Linnaeus Room

### New! Why Are Gardens Important?

Benjamin Lenhardt, chairman of the Garden Conservancy and a member of the Board of Directors of the Chicago Botanic Garden, will show more than 250 slides of beautiful gardens around the world while giving a brief history of gardens, beginning with the Garden of Eden. Lenhardt then will talk about the various roles gardens play in everyday life, farming, and business as well as providing beauty and comfort. He concludes with a description of the Garden Conservancy's efforts to save and share outstanding American gardens for the education and inspiration of the public. This event is cosponsored by the Garden Conservancy.

Benjamin F. Lenhardt, Jr.  
Free program  
Thursday, May 21, 2 – 3 p.m.  
Pullman Room, Regenstein Center

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

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



## GARDEN DESIGN CERTIFICATE OF MERIT PROGRAM

### Principles of Garden Design, Spring Session

*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 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, April 22 – June 10, 6:30 – 9 p.m.**  
 and  
**2 Saturdays, April 25 & May 2, 11 a.m. – 2 p.m.**  
 Design Studio

### Gardens That Heal: A Prescription for Wellness

*Healthcare Garden Design Certificate Seminar  
 GDC elective*

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 Wednesday, May 6, are not eligible for the lunch option.

\$149 nonmember or \$129 before April 8; members receive 20% discount  
**Wednesday, May 13, 9 a.m. – 5 p.m.**  
 Alsodorf Auditorium

### Healthcare Garden Design

*Professional Development Certificate Program*

This eight-day program includes case studies, group projects, field trips, lectures, and instruction from experts from healthcare garden-related professions. Working in multidisciplinary teams that reflect the real world of healthcare garden design, your learning will be reinforced through tours of healthcare facilities in the Chicago area.

8-day professional development certificate  
**Wednesday, May 13 – Wednesday, May 20**  
**9 a.m. – 6 p.m. (ending times may vary)**  
 Linnaeus Room

Early-bird fee paid/postmarked by March 27, 2015:  
**\$2,995\***

\*A deposit of \$399 by March 27 will guarantee your early bird rate.

Fee after March 27: **\$3,495**

Registration includes eight-day program fees, course materials, seminar program, transportation to field sites, and select meals. For further program information, visit the Garden's website at [chicagobotanic.org/education/certificate\\_programs/healthcare](http://chicagobotanic.org/education/certificate_programs/healthcare) or call (847) 835-8293.

The Joseph Regenstein, Jr. School of the Chicago Botanic Garden is registered with the American Society of Landscape Architects as an LA CESTM approved provider. ASLA CEUs=4.0 or 40 hours

### 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.

Paul Laiblin, project manager and senior estimator, Scott Byron and Co.  
 \$337 nonmember; members receive 20% discount  
**10 Thursdays, May 28 – July 30, 6:30 – 9 p.m.**  
 Plant Science Lab, Regenstein Center and  
**Saturday, June 13, off-site, 1 – 4 p.m.**

## Botanical Arts and Humanities

Throughout history, plants and images of plants have been woven into the arts—painting, literature, and photography. The beauty of botanical arts courses is that they encompass a wide variety of topics, from photography to calligraphy, botanical illustration to papermaking. In introductory and higher-level courses, students have the opportunity to express their creative flair while sharing time with others in an enjoyable setting.

### 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 a .25-ounce bottle of custom natural perfume to take home.

Jessica Hannah, natural perfumer and interdisciplinary artist, J. Hannah Co.  
 \$74 nonmember; members receive 20% discount  
**Saturday, March 14, 10 a.m. – noon**  
 Linnaeus Room

### Formulating Perfumes with Natural Essences

Dive deeper into the world of scents in this workshop, where you will learn perfume structures, plant origins, and their historical context. You will blend two unique perfumes during our time together, improving your skills and olfactory recognition as we analyze each blend. Fee includes two .25-ounce vials of custom natural perfume to take home. No preliminary perfuming experience is necessary. Class size is limited to eight.

Jessica Hannah, natural perfumer and interdisciplinary artist, J. Hannah Co.  
 \$165 nonmember; members receive 20% discount  
**Saturday, March 14, 1 – 5 p.m.**  
 Linnaeus Room

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

### Willow Furniture Workshop

Natural willow furniture is the perfect rustic accent, whether you need a seat for that perfect spot in your garden or a place to repot your houseplants. Join Bim Willow and learn the basic techniques of making bent willow furniture. You will select one project to complete during the workshop when you register; class fee varies depending on project chosen. Projects are large, so bring a vehicle that can accommodate them. Bring a hammer, hand pruners, and work gloves; all other supplies provided. No experience necessary. Please bring a bag lunch, if you wish.

Limited space; register early.

Bim Willow, furniture maker and author  
**Sunday, March 29, 9:30 a.m. – 3 p.m.**  
 Burnstein Hall, Regenstein Center

Select one of these bent willow projects:

**Bent Willow Chair: \$245**

**One-shelf potting bench/baker's rack: \$220**

**Garden bench: \$115**

**Members receive 20% discount on all pieces**



### Pop-Up Paper Bugs: Workshop 1

Let's celebrate our garden heroes! Create a whimsical collection of pop-up and movable bug cards, featuring a honeybee, a firefly, and a cricket, and learn about the fundamentals and materials of pop-up engineering. No experience is necessary, but binding and/or sewing skills will speed your progress. All tools are supplied for this workshop, but feel free to bring your own if you prefer working with them.

Shawn Sheehy, pop-up engineer and author  
 \$62 nonmember; members receive 20% discount  
**Sunday, March 29, 1 – 4 p.m.**  
 Lakeside Room, Visitor Center

### Pop-Up Paper Bugs: Workshop 2

Let's celebrate our garden heroes! Create a whimsical collection of pop-up and movable bug cards, featuring a moth, a ladybug, and a dragonfly, and learn about the fundamentals and materials of pop-up engineering. No experience is necessary, but binding and/or sewing skills will speed your progress. All tools are supplied for this workshop, but feel free to bring your own if you prefer working with them.

Shawn Sheehy, pop-up engineer and author  
 \$62 nonmember; members receive 20% discount  
**Sunday, April 12, 1 – 4 p.m.**  
 Lakeside Room, Visitor Center

### Suminagashi Workshop

Suminagashi, which means floating ink, is an ancient Japanese technique for decorating paper. Marble-like patterns are created by floating ink on water. The designs are then transferred to absorbent Japanese paper. No two are ever alike. Finished pieces may be framed or used in paper craft projects. Suminagashi offers endless possibilities.

Kay Thomas, artist  
 \$39 nonmember; members receive 20% discount  
**Saturday, April 11, 1 – 2:30 p.m.**  
 Plant Science Lab, Regenstein Center

### 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 Tuesdays, April 21 – May 26, 6:30 – 8:30 p.m.**  
 Plant Science Lab, Regenstein Center

### 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 is given at the first class, but you can start collecting trinkets now!

Bonnie Arkin, artist and designer  
 \$149 nonmember; members receive 20% discount  
**6 Tuesdays, April 21 – May 26, 7 – 9 p.m.**  
 or  
**6 Tuesdays, June 2 – July 7, 7 – 9 p.m.**  
 Annex 1

### 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 Wednesdays, April 22 – May 27 1 – 3:30 p.m.**  
 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 Thursdays, April 23 – May 28, 7 – 9 p.m.**  
 or  
**6 Thursdays, June 4 – July 9, 7 – 9 p.m.**  
 Annex 1

## BOTANICAL ART: “LEARN HOW” SERIES

This series of classes is for anyone who has interest in learning how to draw and paint, but feels intimidated merely at the thought. The classes 1, 2 & 3 are meticulously designed to give students solid foundations for the next steps. While enjoying step-by-step exercises in a warm and encouraging environment, students will feel free to find the confident artist inside themselves.

Plan to spend the day and register for both sessions at once to receive a 10 percent discount.

### New! Learn How to Draw in Graphite 3

“Wow! How did you do that?” Let’s tackle a few very challenging subjects in drawing. Some botanical subjects look very complicated such as spiral forms or clusters of small shapes, but they become manageable with the instructor’s step-by-step processes in this class. Students will be able to draw their favorite plants as final projects.

Heeyoung Kim, botanical artist  
 \$312 nonmember; members receive 20% discount  
 6 Fridays, May 8 – June 12, 9 a.m. – noon  
 Design Studio

### New! Learn How to Paint in Watercolor 3

Ever been amazed by incredible colors in plants? Wouldn’t it be wonderful if you could create them in watercolor? With some diligence, you can do it! This class will focus on color studies: how to make believable greens, how to paint pure pink and yellow flowers, how to paint white flowers, and more. Experience excitement in watercolor botanicals with Heeyoung Kim.

Heeyoung Kim, botanical artist  
 \$312 nonmember; members receive 20% discount  
 6 Fridays, May 8 – June 12, 1 – 4 p.m.  
 Design Studio

## 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! Please bring a sack lunch or plan to visit the Garden View Café during the lunch break.

Janet Austin, artist  
 \$124 nonmember; members receive 20% discount  
 Thursday, May 28, 10 a.m. – 3:30 p.m.  
 Annex 2



## Adventure, Travel, Plein-Air Painting!

### Two-day watercolor workshop

Capture the magical beauty of the great outdoors through plein-air painting. Feel the excitement, energy, and ambiance of real light and learn how to translate these elements into great paintings. Whether you are a beginning or intermediate-level artist you can take your ability to the next level. David Dallison will share the skills he has developed as a professional painter for 26 years and will present helpful practical advice on technique, composition, and equipment. He will also share his specific color palette and methods for building up a painting through composition, tone, color, and layering. In addition, you will learn how to develop a lightweight, portable system that will allow you to paint anywhere, anytime. Lunch is on your own. A supply list will be sent.

David E. Dallison, professional artist  
 \$199 nonmember; members receive 20% discount  
 Tuesday & Wednesday, June 9 & 10, 9 a.m. – 3 p.m.  
 Plant Science Lab

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

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

## FIBER ARTS WORKSHOPS

Come learn how to felt while hearing stories of a knitter, shepherd, and small business owner! Natasha Lewis, of Esther’s Place Fiber Arts Studio in Big Rock, Illinois, will share her love of fiber arts and inspire you to create!

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

### New! Shibori Dyed Scarf

Make a tranquil river scene come to life with creative dyeing techniques! Wrap simple objects, like sticks and stones into silk, paint with vivid colors and watch your scarf come to life. You will leave with an exquisite 14 x 72-inch habotai silk scarf to wear or gift.

\$59 nonmember; members receive 20% discount  
 Tuesday, April 28, 9 a.m. – noon  
 Lakeside Room, Visitor Center

### New! Make Your Pet! Felted Pet Sculptures

Bring a picture of your fuzzy family member and even a handful of their hair and we will make an adorable felt figurine of them! Using wool and needle felting techniques, shape it into a one-of-a-kind memorial to that special pet in your life. Fun and simple enough for anyone to try!

\$49 nonmember; members receive 20% discount  
 Tuesday, April 28, 1 – 3 p.m.  
 Lakeside Room, Visitor Center





## Botanical Arts

Express your creative flair.

### BOTANICAL ARTS CERTIFICATE OF MERIT PROGRAM

#### 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=1.8

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
 \$287 nonmember; members receive 20% discount  
 6 Tuesdays, April 21 – May 26, 6 – 9 p.m.  
 Design Studio

#### Colored Pencil Drawing Course

*ART elective*

Start with the fundamentals, then delve into working with dry and wet media of colored pencil. Develop your drawing skills through extensive color exploration of value, intensity, and temperature. Learn dry applications, layering, washes, and color-mixing techniques. Work from real life and nature, not from photographs. Demonstration and explanations are presented at the beginning of each class. Individual guidance and instruction is given to each student. The School's CEUs=1.8

TBD  
 \$287 nonmember, members receive 20% discount  
 6 Mondays, May 4 – June 15, 6 – 9 p.m.  
 (no class May 25)  
 Design Studio

*Learn to make quick studies outdoors at the Garden.*

#### Open Studio, Spring Session

*ART elective*

This studio class is open to all levels and will feature a short lecture and demonstration each week illustrating a principle that pertains to all media. Select plant materials will be provided for the session. The School's CEUs=1.8

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
 \$212 nonmember; members receive 20% discount  
 5 Sundays, May 24 – June 21, 9:30 a.m. – 12:30 p.m.  
 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. The School's CEUs=1.8

TBD

\$287 nonmember; members receive 20% discount  
 6 Saturdays, June 27 – August 8, 9 a.m. – noon  
 (no class July 4)  
 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 21 – August 25, 6 – 9 p.m.  
 Design Studio

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

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



## Photography

Discover the joy of nature and garden photography with the Garden as your studio! Advance your artistic and technical skills in classes and workshops for students of all levels led by outstanding photography professionals.

### iPhone Photography

There are hundreds of photography apps available for iPhones, and many of them have similar features. This class will explore some of the better-known apps along with instruction on how to use them for nature photography. We will go over the basics of iPhone photography along with fieldwork for a portion of the class. We will examine the photos taken during class and how they can be enhanced, manipulated, or altered to create a personal statement. iPhones are mandatory.

Tobin Fraley, photographer

\$119 nonmember; members receive 20% discount

3 Thursdays, March 19 – April 2, 10 a.m. – noon  
Design Studio

or

3 Saturdays, March 21 – April 4, 10 a.m. – noon  
Lakeside Room, Visitor Center

### New! Intro to Photography for Persons with Limited Mobility

Limited mobility should not impede your pursuit of this engaging hobby. Learn the basics of working with your camera, along with ways to adapt your equipment and methods to compensate for your physical disability. The first class will focus on camera basics in addition to specific suggestions for adaptive devices. The following two classes will combine classroom instruction with field experience. The instructor will contact each student in advance of the class to assess individual needs and answer questions. Requirements: Digital camera (no phones or tablets, please). Class size limited to eight students. Note: A limited number of ECVs (motorized scooters) are available for rental at the Garden; reservations should be made in advance by calling the Information Desk at (847) 835-8208. Manual wheelchairs are also available at no charge.

Jack Carlson, certified professional photographer

\$119 nonmember; members receive 20% discount

3 Mondays, June 8 – 22, 10 a.m. – noon or 1 – 3 p.m.  
Lakeside Room, Visitor Center

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

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



## Photography

The Garden is your studio.

### FOCUS ON PHOTOGRAPHY CERTIFICATE OF MERIT PROGRAM

#### 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, proper exposure, and the functions of lens aperture and shutter speed. Some minimal photo processing will also be covered. Course requires a digital SLR camera. No previous experience is required.

Jack Carlson, certified professional photographer

\$225 nonmember; members receive 20% discount

4 Saturdays, March 14 – April 11, 9 a.m. – noon

(no class April 4)

Plant Science Lab, Regenstein Center

or

4 Wednesdays, March 25 – April 22, 9 a.m. – noon

(no class April 15)

Plant Science Lab, Regenstein Center

#### Photoshop 3

*FPC elective*

Take your Photoshop skills to the next level and learn some more exciting editing techniques. This class is project-oriented, learning black and white with color accents, HDR, panorama, and people extraction. There will also be more digital photography tips. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera. Prerequisite: Photoshop 1 & 2, or approval of instructor. The School's CEUs=10 hours

Iris Allen, freelance photographer and instructor

\$187 nonmember; members receive 20% discount

4 Mondays, March 23 – April 13, 1 – 3:30 p.m.

Design Studio

#### Macro Photography in the Greenhouse

*FPC elective*

Get away from the winter blues and come explore the Greenhouse. This class will introduce you to a world of detail often not noticed. The succulents, tropical blooms, and Greenhouse color will serve as our natural laboratory. Each class will consist of learning new macro techniques followed by trips into the Greenhouses to practice new skills and artistic elements. Designed for intermediate photographers comfortable with basic photography techniques. Digital SLR, macro lens, and tripod required. The School's CEUs=12.5 hours

Tobin Fraley, photographer

\$239 nonmember; members receive 20% discount

5 Tuesdays, March 24 – April 28, 9:30 a.m. – noon

(no class April 14)

Design Studio

## Photographing Signs of Spring

*FPC elective*

Spring is often subtle in its arrival. This class will present the camera and lens settings that are best to use when capturing those small hints of the changing season. Learn to recognize which perspectives will best highlight these small-scale buds and shoots. Macro or close-focusing lens quite helpful, but not required. Prerequisites: Beginning Digital Photography or consent of the instructor. Class limited to digital cameras only. No phones or tablets, please. The School CEUs=12 hours

Jack Carlson, certified professional photographer  
\$225 nonmember; members receive 20% discount  
4 Thursdays, April 2 – 23, 9 a.m. – noon  
Annex 2

## Lightroom 1

*FPC requirement option*

Adobe Photoshop Lightroom 4 is professional-grade processing software designed to help photographers manage and edit their images. In this course, you will learn Lightroom 4 setup, workflow, file management, processing, and image exporting. You'll also learn to tag, name, size, and sharpen your images. Students will be guided from the shoot and image download, through the develop module to the final output of a slideshow set to music. We will create a workflow process that can be used as a standard of organization for the photographer. A personal laptop with Adobe Photoshop Lightroom 4 installed is required, or you may choose to download the 30-day free trial of Lightroom from Adobe's website on the first day of class.

Dianne Kittle, fine art photographer  
\$239 nonmember; members receive 20% discount  
5 Thursdays, April 2 – May 7, 6:30 – 9 p.m.  
(no class April 16)  
Design Studio

## Photographing Wildflowers

*FPC fundamental course, nature and wildlife track*

Students will learn about capturing images of both native wildflowers and garden flowers. The emphasis will be on color and tonal balance, close-ups, backgrounds, natural lighting, and composition. Wildflowers change quickly in the spring, so each week will offer a new array of subjects. A portion of each class will be held outside, so please dress for the weather. Digital SLR cameras plus a standard and macro lens are mandatory along with a general working knowledge of your camera's functions.

Tobin Fraley, photographer  
\$239 nonmember; members receive 20% discount  
5 Fridays, April 3 – May 1, 9:30 a.m. – noon  
Design Studio

## Intermediate Digital Photography

*FPC elective*

Having learned the basics of digital photography in the introductory course, students are ready to move on to more artistic endeavors. Seeing, thinking, and acting are the next steps in learning to identify, then capture, an impressive image. Students will use lead lines, selective manual focus, and appropriate aperture settings to enhance their photos. Prerequisite: Beginning Digital Photography or the consent of the instructor. The Schools CEUs=12 hours

Jack Carlson, certified professional photographer  
\$225 nonmember; members receive 20% discount  
4 Saturdays, April 25 – May 30, 9 a.m. – noon  
(no class May 2 & 23)  
Plant Science Lab, Regenstein Center  
or  
4 Wednesdays, May 6 – 27, 9 a.m. – noon  
Plant Science Lab, Regenstein Center

## 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 Mondays, April 27 – May 18, 1 – 3:30 p.m.  
Design Studio

## New! Alternative Printing for Abstracts in Nature

*FPC elective*  
Intermediate level

Go beyond the realistic photograph. Jump out of the box. Be willing to open your mind and create pieces of art with your SLR, post-production, and hands-on ink-jet transfer techniques using a pigment ink printer, experimental techniques, acrylic mediums, and solvents. Then transfer your works of art to metal, wood, and art paper. You will be given an abstract SLR advanced digital lesson each week to photograph your subject for alternative printing. Limited to eight students with the consent of the instructor. The School CEUs=12 hours

Dianne Kittle, fine art photographer  
\$399 nonmember; members receive 20% discount  
(Includes materials fee of \$100)  
4 Thursdays, April 30 – May 21, 1 – 4 p.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 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 2015 Focusing on Nature Student Photography Exhibition. Digital SLR mandatory. Prerequisite: Intermediate Photography Portfolio Class.

Dianne Kittle, fine art photographer  
\$374 nonmember; members receive 20% discount  
8 Mondays, May 4 – June 29, 6:30 – 9 p.m.  
Lakeside Room, Visitor Center

## Capturing Sunrise Scenes with Your Camera

*FPC elective*

Photographs taken at sunrise are some of the most romantic and dramatic of their kind due to the clear, clean light. Though it means getting out very early in the morning, students will learn how to use our largest direct source of light to create photographs with the highlights, angles, and shadows found only at this time of day. A checklist will be sent before class. Students should bring a tripod. Class limited to digital cameras; no phones or tablets, please. The School's CEUs=6 hours

Jack Carlson, certified professional photographer  
\$119 nonmember; members receive 20% discount  
2 Saturdays, May 9 & 16, 5 – 8 a.m.  
Plant Science Lab, Regenstein Center

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

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



### Documenting Nature

*FPC requirement, nature and wildlife track*

The emphasis of this class will be on composition and storytelling through the use of still photography in a natural setting. We will cover depth of field, offset imaging, cropping, and the use of triptychs. We will also take a comprehensive look at understanding what the camera sees compared with our own natural visual biases. A portion of each class will be held outside, so please dress for the weather. Digital SLR cameras are mandatory along with a general working knowledge of your camera's functions.

Tobin Fraley, photographer  
 \$239 nonmember; members receive 20% discount  
 5 Saturdays, May 9 – June 13, 9:30 a.m. – noon  
 (no class May 23)  
 Design Studio

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

### Lightroom 2

*FPC elective*

In this course, you will polish your editing workflow, file management, and increase your processing skills in the Develop Module. You'll also learn to create slideshows and publish your images to the Internet directly from Lightroom. A personal laptop with Adobe Photoshop Lightroom 4 installed is required. Prerequisite: Lightroom 1, or approval of instructor. The School's CEUs=12 hours

Dianne Kittle, fine art photographer  
 \$239 nonmember; members receive 20% discount  
 5 Thursdays, May 21 – June 18, 6:30 – 9 p.m.  
 Design Studio

### 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=10 hours

Iris Allen, freelance photographer and instructor  
 \$187 nonmember; members receive 20% discount  
 4 Mondays, June 1 – 22, 1 – 3:30 p.m.  
 Design Studio

### Black-and-White Photography: A Study of Shadows and Texture

*FPC fundamental course, fine art and nature and wildlife track*

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=12.5 hours

Tobin Fraley, photographer  
 \$239 nonmember; members receive 20% discount  
 5 Tuesdays, June 2 – 30, 9:30 a.m. – noon  
 Design Studio

### Photographing Butterflies & Blooms

*FPC elective*

Join Jack Carlson for a rare opportunity to capture the colorful world of the Butterflies & Blooms exhibition. This intermediate- to advanced-level class meets before the exhibition opens to the general public, so cameras and tripods are most welcome. Participants should have a working knowledge of camera controls and lens settings. Close-focusing/macro lens and tripod strongly suggested. We will meet for a brief orientation, and then proceed to the exhibition. The School's CEUs=3 hours

Jack Carlson, certified professional photographer  
 \$59 nonmember; members receive 20% discount  
 Thursday, June 4, 7 – 10 a.m.  
 or  
 Saturday, June 6, 7 – 10 a.m.  
 Lakeside Room, Visitor Center

### Photoshop 3

*FPC elective*

Take your Photoshop skills to the next level and learn some more exciting editing techniques. This class is project-oriented, learning black and white with color accents, HDR, panorama, and people extraction. There will also be more digital photography tips. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera. Prerequisite: Photoshop 1 & 2, or approval of instructor. The School's CEUs=10 hours

Iris Allen, freelance photographer and instructor  
 \$187 nonmember; members receive 20% discount  
 4 Mondays, July 13 – August 3, 1 – 3:30 p.m.  
 Design Studio

## Wellness

Discover the many possibilities offered at the Chicago Botanic Garden for nurturing and healing the body, mind, and spirit.

### New! Allergy 101: Peanut Free, Gluten Free, Dairy Free—Oh My!

*How to navigate more easily through the world of food allergies.*

Food allergies are becoming more and more prevalent. Almost daily it seems we hear of another friend, coworker, or classmate who can't eat something. If you or a loved one have been diagnosed with a food sensitivity or life-threatening food allergy, it can be overwhelming to figure out how to start. This workshop will help you understand the various allergies, offer healthy alternatives for common foods, and figure out safe foods for social occasions like birthday parties, team snacks, and classroom treats. This class is taught by a certified holistic health coach who lives in a household full of food allergies!

Kristyn Moore, holistic health coach  
\$19 nonmember; members receive 20% discount  
Tuesday, March 10, 10 – 11 a.m.  
Lakeside Room, Visitor Center

### New! Allergy 102: Taking Food Allergies on the Road!

*How to travel with ease and send your children to camp with confidence!*

If the question “will I be able to eat anything while I am away from home?” sounds familiar, this is the class for you! “How can I eat out at restaurants with confidence?” “Will my children be able to enjoy their camp experience safely?” “Where/how can I find foods on the road that I am used to?” All of these questions and more will be answered in this informative class about food allergies on the go! You will learn practical steps to take and implement to ensure an enjoyable trip. This class is taught by a certified holistic health coach who lives in a household full of food allergies! Don't let the food allergies hold you back...bon voyage!

Kristyn Moore, holistic health coach  
\$19 nonmember; members receive 20% discount  
Tuesday, March 10, 11:30 a.m. – 12:30 p.m.  
Lakeside Room, Visitor Center

### New! Curious About Detoxing?

This course will teach you how to detox in a holistic way for improved health, clarity, and strength. Elyse Wagner, a holistic nutritionist and positive psychology professional, will provide an action plan for detoxing on a daily basis. Wagner will provide resources and actionable tools to create a delicious relationship with your food, body, and attitude. Class registration includes a detox smoothie sample as well as a signed copy of Wagner's book, *Smoothie Secrets Revealed: A Guide to Enhance Your Health*.

Elyse Wagner, M.S., kitchen shrink: nutrition and positive psychology coach  
\$65 nonmember; members receive 20% discount  
Wednesday, March 18, 7 – 8:30 p.m.  
Plant Science Lab, Regenstein Center

### Meditation Walk: The Cycles of Life

What better way to enjoy the seasonal 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. 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 3, 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 multisession 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
Drop-in Rate	\$15

Saturdays, April 11 – November 14, 8 – 9 a.m.  
Meet at Visitor Center

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

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



## Fitness Walks

A unique alternative to a health club

## 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 Garden. One-time class trial fee: \$20.

### Tai Chi For Beginners: Sun-Style

This course will introduce students to Sun-style tai chi chuan with a few Yang-style concepts as well. Sun-style is the most modern form of tai chi and the movements are very gentle in nature. 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  
\$187 nonmember; members receive 20% discount  
Spring Semester:

10 Tuesdays, March 10 – May 19, 8 – 9 a.m.  
(no class April 14)

Burnstein Hall

or

Summer Semester:

10 Tuesdays, June 9 – August 25, 8 – 9 a.m.  
(no class August 4 & 11)

Burnstein Hall

### Tai Chi For Beginners: Yang-Style

This course will introduce students to Yang-style tai chi chuan with a few Sun-style concepts as well. Tai chi from the Yang family is a beautiful, slow-moving meditation in motion. 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  
\$187 nonmember; members receive 20% discount  
Spring Semester:

10 Tuesdays, March 10 – May 19, 9:15 – 10:15 a.m.  
(no class April 14)

Burnstein Hall

or

Summer Semester:

10 Tuesdays, June 9 – August 25, 9:15 – 10:15 a.m.  
(no class August 4 & 11)

Burnstein Hall



Gordon Lock brings the gentle beauty of tai chi to the Garden.

### Tai Chi: Intermediate Sun-Style

Further your study of the Sun form of tai chi. Consistent practice of tai chi helps us to relax from the fast pace of multi-tasking and recognize the moment at hand. The movements help to reconnect us to mind-body awareness and restore harmony and balance into our daily routines. Tai Chi for Beginners or some tai chi experience is recommended.

Gordon Lock, instructor

Spring Semester:

\$187 nonmember; members receive 20% discount  
10 Wednesdays, March 11 – May 20, 8 – 9 a.m.  
(no class April 15)

Burnstein Hall

or

Summer Semester:

10 Wednesdays, June 10 – August 26, 8 – 9 a.m.  
(no class August 5 & 12)

Burnstein Hall

### Tai Chi: Advanced Yang-Style

This course continues with in-depth study of the Yang style for students who have completed the intermediate class level and feel comfortable advancing. 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.

Gordon Lock, instructor

Spring Semester:

\$187 nonmember; members receive 20% discount  
10 Wednesdays, March 11 – May 20,  
9:15 – 10:15 a.m. (no class April 15)

Burnstein Hall

or

Summer Semester:

10 Wednesdays, June 10 – August 26,  
9:15 – 10:15 a.m. (no class August 5 & 12)

Burnstein Hall

### Tai Chi: Advanced Sun-Style

This course continues with in-depth study of the Sun style for students who have completed the intermediate class level and feel comfortable advancing. 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.

Gordon Lock, instructor

Spring Semester:

\$187 nonmember; members receive 20% discount  
10 Thursdays, March 12 – May 21, 8 – 9 a.m.  
(no class April 16)

Burnstein Hall

or

Summer Semester:

10 Thursdays, June 11 – August 27, 8 – 9 a.m.  
(no class August 6 & 13)

Burnstein Hall

### Tai Chi: Intermediate Yang-Style

Further your study of the Yang form of tai chi. Consistent practice of tai chi helps us to relax from the fast pace of multi-tasking and recognize the moment at hand. The movements help to reconnect us to mind-body awareness and restore harmony and balance into our daily routines. Tai Chi for Beginners or some tai chi experience is recommended.

Gordon Lock, instructor

Spring Semester:

\$187 nonmember; members receive 20% discount  
10 Thursdays, March 12 – May 21, 9:15 – 10:15 a.m.  
(no class April 16)

Burnstein Hall

or

Summer Semester:

10 Thursdays, June 11 – August 27, 9:15 – 10:15 a.m.  
(no class August 6 & 13)

Burnstein Hall

## 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 60 minutes. If your class is scheduled to occur on a holiday date you observe, please speak with the instructor regarding attending a make-up class. One-time class trial fee: \$20.

### Yoga Master Class

This class is designed for the student who is looking for a deeper understanding of the principles of movement and alignment. Join us for engaging practices in a welcoming, accepting, and encouraging environment. Be ready to explore your whole body through carefully designed sequences, gaining understanding of movement in more depth and detail. Don't miss the opportunity to emerge from this experience with a new knowledge set, a deeper understanding of your practice, and a stronger relationship with your essential self. Class size is limited so sign up soon.

Steve Nakon, Whole Journey  
\$125 nonmember; members receive 20% discount  
Spring Semester:  
5 Fridays, May 22 – June 19, 9 – 10:30 a.m.  
Linnaeus Room

### 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 and Patricia Nakon, Whole Journey  
Spring Semester:  
\$187 nonmember; members receive 20% discount  
10 Mondays, April 6 – June 15, 9 – 10 a.m.  
or 5:30 – 6:30 p.m.  
(no class April 13)  
Linnaeus Room  
or  
Summer Semester:  
\$150 nonmember; members receive 20% discount  
8 Mondays, June 29 – August 17, 9 – 10 a.m.  
or 5:30 – 6:30 p.m.  
Linnaeus Room

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

### Introductory Yoga

This is 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, Whole Journey  
Spring Semester:  
\$187 nonmember; members receive 20% discount  
10 Wednesdays, April 8 – June 17, 5:30 – 6:30 p.m.  
or 7 – 8 p.m.  
(no class April 15)  
Linnaeus Room  
or  
Summer Semester:  
\$150 nonmember; members receive 20% discount  
8 Wednesdays, July 1 – August 19, 5:30 – 6:30 p.m.  
or 7 – 8 p.m.  
Linnaeus Room

### Yoga Flow Beginner

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

Steve Nakon, Whole Journey  
Spring Semester:  
\$187 nonmember; members receive 20% discount  
10 Tuesdays, April 7 – June 16, 9:30 – 10:30 a.m.  
or 6 – 7 p.m.  
(no class April 14)  
Linnaeus Room  
or  
Summer Semester:  
\$150 nonmember; members receive 20% discount  
8 Tuesdays, June 30 – August 18, 9:30 – 10:30 a.m.  
or 6 – 7 p.m.  
Linnaeus Room

### Yoga Flow Intermediate

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

Steve Nakon, Whole Journey  
Spring Semester:  
\$187 nonmember; members receive 20% discount  
10 Tuesdays, April 7 – June 16, 8 – 9 a.m.  
(no class April 14)  
or  
10 Thursdays, April 9 – June 18, 9 – 10 a.m.  
or 6 – 7 p.m.  
(no class April 16)  
Linnaeus Room  
or  
Summer Semester:  
\$150 nonmember; members receive 20% discount  
8 Tuesdays, June 30 – August 18, 8 – 9 a.m.  
or  
8 Thursdays, July 2 – August 20, 9 – 10 a.m.  
or 6 – 7 p.m.  
Linnaeus 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, Whole Journey  
Spring Semester:  
\$187 nonmember; members receive 20% discount  
10 Wednesdays, April 8 – June 17, 9:30 – 10:30 a.m.  
(no class April 15)  
Linnaeus Room

Wellness programming is generously supported by NorthShore University HealthSystem.





# 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 Forward—School's Out; Nature Is in Session!

Spring Break Camp and School Day-off Camp are great ways to put a little spring in kids' spirits and minds. During Spring Break Camp 2015, from March 30 to April 3, campers in grades K through 5 will flourish in the great outdoors (rain or shine), enjoying creative expression and nature learning, all in one amazing program.

Fun and enriching learning activities are led by the Garden's experienced teachers. Campers will explore seeds and signs of spring, take a walk in the woods, and discover greenhouses, gardens, bugs, and bubbles. Every day is a different adventure.

Our Do North partner, Writers Theatre, joins us on Thursday and Friday, inviting children to use storybooks as launchpads for imagination and investigation. For schools that are out on Monday, April 6, we will also offer a Day-off Camp for grades K through 3. Camps are offered from 9:30 a.m. to 3 p.m. Fees are \$72 per day, per child. Garden Plus members receive a 20 percent discount.

*Enjoy a flexible schedule. Register for one day, several days, or the whole week! But hurry if you want to reserve a spot. Spring Break and Day-off Camps fill quickly. Visit [chicagobotanic.org/camp](http://chicagobotanic.org/camp) today to sign up.*



# 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.

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

### Story Time

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 20.

**Mondays, through May 18**  
10 – 11 a.m.

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

### ScreenBreak Family Drop-in Activities

Stop by for hands-on, nature-themed fun from 9 to 11 a.m. Geared toward children ages 2 to 5 with a caregiver. No registration required. Parking is free from March 1 to 7 for those families with a ScreenBreak button, wristband, or card. Offered in collaboration with the Alliance for Early Childhood's ScreenBreak.

Visit [theallianceforec.org](http://theallianceforec.org) for information about ScreenBreak activities at other locations.

**Wednesday, March 4 & Friday, March 6**  
9 – 11 a.m.

### Malott Japanese Garden Spring Weekend

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

**Saturday, March 21 & Sunday, March 22**  
11 a.m. – 4 p.m.

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

### Malott Japanese Garden Children's Festival

Learn about children's celebrations in Japan during this special weekend of activities. Listen to shakuhachi and koto harp 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.

**Saturday, May 16 & Sunday, May 17**  
10 a.m. – 2 p.m.

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

## Fee-based Programs

### Weekend Family Classes

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

**9:30 – 11 a.m. or 1 – 2:30 p.m.**

**\$23 nonmember per child**  
**Garden Plus members receive a 20 percent discount**

#### Homemade Ice Cream

**Sunday, March 1**

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. Limit of two children per adult.

#### Gumballs & Superballs

**Saturday, March 21 & Sunday, April 12**

Find out how people use parts of rainforest trees to make chewing gum and rubber. Create your own bouncing ball and flavorful gum to take home.

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

### Nature Nights

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.

**5 – 7:30 p.m.**

**\$26 nonmember per child**  
**Garden Plus members receive a 20 percent discount**

#### Woodland Walk

**May 30 or June 6**

Giant oak trees, trillium, and deer all call the woods their home. You and your child will discover what makes a habitat, search for signs of woodland animals, examine plants found in the woods, and take home a woodland plant.

\*Don't forget to bring a picnic dinner!

Dessert is provided.

#### Nature's Music

**June 20 or July 11**

The chirp of crickets, the honk of geese, and a frog's song are all examples of nature's music. Explore Evening Island to learn how insects and animals use this "music" to communicate, create a musical instrument out of natural materials, and take home a plant that will help you make music at home.

\*Don't forget to bring a picnic dinner!

Dessert is provided.

*Your child's best birthday party can be here at the Garden!*

### New! Harnessing the Flame

**July 18 or August 1**

Learn about the importance of fire to Native American culture and everyday life. Find out how we use it here in our woods and prairie. See a traditional way to start a fire, make a fire starter to take home, and pot up a prairie plant.

\*Don't forget to bring a picnic dinner!

Dessert is provided.

### New! Seed Scatter

**August 15 or September 5**

Seeds can't walk, but they sure can get around! Hitchhiking, exploding, and parachuting are just a few ways that plants spread their seeds. Learn how and why seeds need to scatter, make a seed bomb so you can scatter your own seeds, and take home a plant with an interesting dispersal method.

\*Don't forget to bring a picnic dinner!

Dessert is provided.

Visit [chicagobotanic.org/naturenights](http://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 themes. 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 [chicagobotanic.org/birthdays](http://chicagobotanic.org/birthdays) or call (847) 835-8275 for more information.





## Youth Programs

### Scouts

#### Scout Badge Programs

Scouts will complete badge requirements with challenging activities. Our wide range of scout programs take children throughout the Garden, and can be scheduled after school on Mondays through Fridays and on Saturdays between 9 a.m. and 3 p.m.

#### 90-minute programs (ages 6 – 8):

**Deposit of \$120 covers 10 Scouts; plus \$10 per additional Scout, due on the day of the program.**

#### 2-hour programs (ages 9 – 12):

**Deposit of \$170 covers 10 Scouts; plus \$15 per additional Scout, due on the day of the program.**

Looking for something different? Contact the Scout Program Coordinator for details on custom programs where you get to create the badge requirements! Special fees apply and programs can be 90 minutes or 2 hours.

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

*Scouts explore the Garden while completing badge requirements.*

#### Scout Seasonal Workshop: Earth Day Celebration

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. If you are a leader registering a group, at least one adult chaperone for every five Scouts is required.

**Saturday, April 25**

**12:45 – 3 p.m.**

**\$14 per child (Grade K – 5)**

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

#### New! Scout Late Night: Whooooo's Out There?

Join us for a late night at the Garden with fellow Scouts, where we will learn about nocturnal creatures at the Garden, dissect an owl pellet, take a tram ride, and enjoy a campfire with s'mores. Come as a group or an individual scout. The Garden welcomes Girl and Boy Scouts as well as other youth groups. Adults should plan to stay with their group for the duration of the program. If you are a leader registering a group, at least one adult chaperone for every five Scouts is required. Parking and a Chicago Botanic Garden activity patch are included. There is no charge for adults.

**Saturday, May 16**

**6 – 8:30 p.m.**

**\$18 per child (Grade K – 5)**

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

### School Day-off Camp

Your child might have a day off of school, but it is a day "on" at the Garden! 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.

**April 6, 2015**

**9:30 a.m. – 3 p.m.**

**\$72 nonmember per child per day**

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

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

### Spring Break Camp

Children in grades K – 5 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!

**March 30 – April 3, 2015**

**9:30 a.m. – 3 p.m.**

**\$72 nonmember per child per day**

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

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





# Camp CBG

Camp CBG provides exciting and enriching learning experiences for your child, with programs for children ages 6 months to 15 years. All camps include nature exploration, inquiry-based activities, games, hands-on projects, and planting. The Garden offers weeklong morning, afternoon, and all-day camps from June to August.

Complete class descriptions, fees, and schedule with dates and times are now available. Visit [chicagobotanic.org/camp](http://chicagobotanic.org/camp) to register online.

## My First Camps

Would you like to spend some time learning, exploring, and bonding with your child in an engaging environment? Enjoy My First Camp along with your child.

### My First Camp Bloomin' Garden Strollers

**Ages 6 months – 2 years**

**\$25 nonmember per child per week**

**9:45 – 11:15 a.m. Friday**

**June 19 & 26**

**July 10, 17, 24, 31**

**August 7, 14**

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 Camp Age 2

Age **2**

**Born on or before September 1, 2013**

**\$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 nut-free snack daily.

#### Art & Music

**July 21 & 23**

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 14 & 16**

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

**July 7 & 9**

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

**July 28 & 30**

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, 2012

\$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 nut-free snack daily.

### Art & Music

July 20, 22, 24

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 13, 15, 17

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

July 6, 8, 10

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

July 27, 29, 31

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

- Camp meets 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 nut-free snack daily.

### Bug Brigade

June 22 – 26, 12:30 – 3 p.m.

August 3 – 7, 9:30 a.m. – noon **SOLD OUT**

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 6 – 10, 9:30 a.m. – noon

July 20 – 24, 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 13 – 17, 12:30 – 3 p.m.

August 10 – 14, 9:30 a.m. – noon

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 22 – 26, 9:30 a.m. – noon **SOLD OUT**

July 13 – 17, 9:30 a.m. – noon

July 27 – 31, 9:30 a.m. – noon

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 15 – 19, 9:30 a.m. – noon **SOLD OUT**

July 20 – 24, 12:30 – 3 p.m.

August 10 – 14, 12:30 – 3 p.m.

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 15 – 19, 9:30 a.m. – noon

July 20 – 24, 9:30 a.m. – noon

August 10 – 14, 9:30 a.m. – noon

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.

### Nature Art

June 15 – 19, 12:30 – 3 p.m.

July 6 – 10, 9:30 a.m. – noon

August 3 – 7, 12:30 – 3 p.m.

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 6 – 10, 12:30 – 3 p.m.

August 3 – 7, 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 22 – 26, 9:30 a.m. – noon

July 27 – 31, 12:30 – 3 p.m.

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 13 – 17, 9:30 a.m. – noon

July 27 – 31, 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

Grades **1-2**

\$205 nonmember per child per camp

Garden Plus members receive a 20 percent discount

### Green Thumbs Information

- Camp meets 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 nut-free snack daily.

### Art in the Garden

June 15 – 19, 9:30 a.m. – noon

August 3 – 7, 9:30 a.m. – noon **SOLD OUT**

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 6 – 10, 9:30 a.m. – noon

August 3 – 7, 12:30 – 3 p.m.

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 6 – 10, 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

June 15 – 19, 12:30 – 3 p.m.

July 20 – 24, 9:30 a.m. – noon

August 10 – 14, 9:30 a.m. – noon **SOLD OUT**

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 22 – 26, 12:30 – 3 p.m.

July 27 – 31, 9:30 a.m. – noon **SOLD OUT**

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 13 – 17, 9:30 a.m. – noon

August 10 – 14, 12:30 – 3 p.m.

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 13 – 17, 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 22 – 26, 9:30 a.m. – noon

July 20 – 24, 12:30 – 3 p.m.

August 10 – 14, 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 15 – 19, 9:30 a.m. – noon

July 27 – 31, 12:30 – 3 p.m.

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

June 22 – 26, 9:30 a.m. – noon

August 3 – 7, 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

Grades **3-4**

\$205 nonmember per child per camp

Garden Plus members receive a 20 percent discount

### Explorers Information

- Camp meets 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 nut-free snack daily.

### Alfresco Art

June 15 – 19, 9:30 a.m. – noon

July 20 – 24, 12:30 – 3 p.m.

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

June 15 – 19, 12:30 – 3 p.m.

August 3 – 7, 9:30 a.m. – noon

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

## Camera Craft

July 13 – 17, 9:30 a.m. – noon

August 10 – 14, 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

June 22 – 26, 12:30 – 3 p.m.

July 20 – 24, 9:30 a.m. – noon

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. Keep our worm bins healthy, learn about the importance of compost, design and plant a garden, and meet a Garden scientist!

### Forensic Investigators

June 22 – 26, 9:30 a.m. – noon

August 3 – 7, 12:30 – 3 p.m.

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

July 6 – 10, 9:30 a.m. – noon

July 27 – 31, 12:30 – 3 p.m.

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 13 – 17, 12:30 – 3 p.m.

August 10 – 14, 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

July 6 – 10, 12:30 – 3 p.m.

July 27 – 31, 9:30 a.m. – noon

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 weather and storms.

**Adventurers**

Most children are ages 10 to 12

Grades **2-4**

\$420 nonmember per child per camp

Garden Plus members receive a 20 percent discount

**Adventurers Information**

- Camp meets Monday through Friday from 9:30 a.m. to 3 p.m.
- Dress for the weather.
- Pack a water bottle and nut-free snack daily.
- Campers must bring a nut-free lunch that does not require refrigeration.

**Art**

July 13 – 17, 9:30 a.m. – 3 p.m.

August 3 – 7, 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 will explore the use of natural materials and learn various tricks of the trade used by professional artists.

**Chemistry**

July 6 – 10, 9:30 a.m. – 3 p.m.

August 10 – 14, 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 22 – 26, 9:30 a.m. – 3 p.m.

July 20 – 24, 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 15 – 19, 9:30 a.m. – 3 p.m.

July 27 – 31, 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.

**Rovers**

Most children are ages 7, 8, or 9

Grades **5-7**

\$840 nonmember per child per camp

Garden Plus members receive a 20 percent discount

**Rovers Information**

- Camp meets for two weeks from Monday through Friday from 9:30 a.m. to 3 p.m.
- Dress for the weather.
- Pack a water bottle and nut-free snack daily.
- Campers must bring a nut-free lunch that does not require refrigeration.

It is a fantastic adventure at Camp CBG in our two-week, full-day camps for kids entering grades 2 to 4! 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 nut-free lunch that does not require refrigeration.

**Create & Grow**

July 6 – 17, 9:30 a.m. – 3 p.m.

August 3 – 14, 9:30 a.m. – 3 p.m.

Does your child enjoy the arts? 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 Explorer**

June 15 – 26, 9:30 a.m. – 3 p.m.

July 20 – 31, 9:30 a.m. – 3 p.m.

Explorers will investigate plant, animal, and human adaptations, while utilizing the scientific process. Ecology, botany, 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 2015. 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, 2015. The form is available on our webpage.

### Extra-Special Attention:

Please let us know on your child's Online Emergency Form, if your child has physical, emotional, educational, or medical special needs. 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, 2015.

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

Morning pick-up is at noon.

Afternoon drop-off is 12:15 to 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 or her 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, cellphones, 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 ten 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 (less a ten 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.

### Before- and After-Care

We are happy to offer before- and after-camp care for your camper. The 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 15 – August 14**

**Morning Care:**

**7:30 – 9:30 a.m.;**

**\$50 per week per camper**

**Afternoon Care:**

**3 – 5:30 p.m.;**

**\$63 per 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 nut-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 to 15, will help prepare for camps, assist teachers during the day, and learn life skills that will help them in future job searches and college preparation in our two-week program.

For an application and further information regarding the LIT program, please contact the camp manager at (847) 835-8361.



# Camp CBG Schedule

	Time	June 15-19	June 22-26	June 28 - July 3	July 6-10	July 13-17	July 20-24	July 27-31	August 3-7	August 10-14
Age 6 mos to 2 yrs My First Camp	9:45 – 11:15 a.m.	Friday Bloomin' Strollers	Friday Bloomin' Strollers	<i>NO CAMP</i>	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers
Age 2 My First Camp	9 – 10 a.m. 10:30 – 11:30 a.m.	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	My First Garden	Fantastic Foods	Art & Music	Small Scientists	<i>NO CAMP</i>	<i>NO CAMP</i>
Age 3 My First Camp	9 – 10 a.m. 10:30 – 11:30 a.m.	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	My First Garden	Fantastic Foods	Art & Music	Small Scientists	<i>NO CAMP</i>	<i>NO CAMP</i>
Grades JK-K Green Sprouts	9:30 a.m. – noon	Hidden Treasures	Sprouting Wizards	<i>NO CAMP</i>	Fun with Physics	Super Seedlings	Mad Scientists	Habitat Hunters	Salad Science	Garden Expedition
	9:30 a.m. – noon	Mad Scientists	Habitat Hunters	<i>NO CAMP</i>	Nature Art	Habitat Hunters	Fun with Physics	Super Seedlings	Bug Brigade	Mad Scientists
	12:30 – 3 p.m.	Nature Art	Bug Brigade	<i>NO CAMP</i>	Salad Science	Garden Expedition	Hidden Treasures	Sprouting Wizards	Nature Art	Hidden Treasures
Grades 1-2 Green Thumbs	9:30 a.m. – noon	Art in the Garden	Insect Investigation	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	Art in the Garden	Treasure Hunt
	9:30 a.m. – noon	Wildlife Wanderers	Grossology	<i>NO CAMP</i>	Incredible Edibles	Explore Your World	Treasure Hunt	Expert Wizardry	Insect Investigation	Grossology
	12:30 – 3 p.m.	Treasure Hunt	Expert Wizardry	<i>NO CAMP</i>	Kinetic Kids	Plant People	Grossology	Wildlife Wanderers	Incredible Edibles	Explore Your World
Grades 2-4 Rovers	<b>FULL-DAY TWO-WEEK</b> 9:30 a.m. – 3 p.m.	Science Explorer	<i>NO CAMP</i>	Create & Grow	Science Explorer	Create & Grow	Science Explorer	Create & Grow	Science Explorer	Create & Grow
Grades 3-4 Explorers	9:30 a.m. – noon	Alfresco Art	Forensic Investigators	<i>NO CAMP</i>	Garden Caching	Camera Craft	Dirty Jobs	Surviving Outdoors	Botany in the Kitchen	Konnichiwa Japan
	12:30 – 3 p.m.	Botany in the Kitchen	Dirty Jobs	<i>NO CAMP</i>	Surviving Outdoors	Konnichiwa Japan	Alfresco Art	Garden Caching	Forensic Investigators	Camera Craft
Grades 5-7 Adventurers	9:30 a.m. – 3 p.m.	Ecology	Cuisine	<i>NO CAMP</i>	Chemistry	Art	Cuisine	Ecology	Art	Chemistry



# Teacher and Student Programs

A caterpillar transforms into a chrysalis before emerging as a butterfly. This will be our Education department in spring, as we begin a metamorphosis of our Learning Campus into a new, vibrant center of nature discovery. The same standards-based programs will continue during construction, but in alternate locations. We hope you will like the temporary change in scenery and join us in anticipating a beautiful new facility in 2016. See page 22 for more information.

## Growing Plants, Growing Minds: New After-School Program Debuts

Grade school teachers and parents yearn for fun, high-quality, science-rich after-school programming for inquisitive learners, and the Chicago Botanic Garden is pleased to offer a new solution. Our acclaimed education team recently piloted and is poised to debut Plant Explorers, a ten-week after-school science program for students in grades 3 to 5.

Offered on-site at local schools, Chicago Botanic Garden education facilitators will use an inquiry-based model rich with hands-on experimentation, model-making, testing, journaling, and drawing to invite students to investigate seeds and plant growth. Specific topics will vary depending on student interest, but they may include analyzing chlorophyll, making a terrarium to test vegetative reproduction, experimenting with germinating seeds to practice the scientific method, using microscopes to find plant stomata, and growing lettuce from seed.

Find out how the Garden can work with your school to enrich after-school science programming. For more information, contact Kathy Johnson at (847) 835-8343 or [kjohnson@chicagobotanic.org](mailto:kjohnson@chicagobotanic.org).

*After-school science programs delight young learners.*





## 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 [chicagobotanic.org/teacherprograms](http://chicagobotanic.org/teacherprograms) for more detailed program descriptions and to register for classes.**

Become a teacher member and receive a 20 percent discount on all professional development courses over \$100.

### One-Day Workshops

These short workshops emphasize topics and teaching methods that support curriculum standards.

#### Inspiring Nature Play: Digging Deeper

Join the second annual early childhood professional development and networking event, featuring keynote speaker Patti Bailie. Through interactive workshops (or "playshops"), participants will learn the benefits children receive from nature play, how nature play fulfills curriculum and program goals, and ways to integrate nature play into your program, whether you have access to outdoor spaces or not. In addition, individuals will come away with numerous new, hands-on ideas for nature play that can be immediately integrated into work with young children. Sessions will be led by experts from a variety of educational and environmental backgrounds. The conference is organized by the Alliance for Early Childhood and the Chicago Botanic Garden. Special thanks to the planning committee members from the Backyard Nature Center, Chicago Wilderness, Greeley Elementary School, Forest Preserves of Cook County, Kohl Children's Museum, Northfield Community Nursery School, Lake Forest Open Lands, Winnetka Park District, and the Wilmette Public Library.

**Wednesday, May 6, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$40 (includes lunch)**

**Birth – Grade 2**

#### Birding for Educators

Look up into the trees and sky and discover the amazing birds all around us. Just in time for spring migration and International Migratory Bird Day, join us to learn how to use birds to explore a variety of science concepts and make connections to the Next Generation Science Standards. Through hands-on activities, experiments, and nature walks, investigate topics including bird anatomy, behavior, adaptations, migration, and conservation issues.

**Saturday, May 9, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: PreK – 12  
PD Hours: 6**

#### Art, Nature, and Science for Early Childhood

Explore the amazing connections that can be made between art and science with our youngest learners. Discover a variety of projects that combine art, nature, and science, including exploring plant pigments, using natural items for painting, making sculptural models of plants and animals, and much, much more.

**Saturday, May 16, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: PreK – 2  
PD Hours: 6**

### New! Summer Garden Series

This summer, explore some of our gardens up close! Get ideas and activities for field trips, your classroom, and your school grounds that are connected to the NGSS; hear from our horticulturists, and discover techniques for growing plants at your school. Take home plants related to the gardens you visit!

Register for the Exploring East and West, Native Gardens, Fruits and Vegetables, and Heritage Garden workshops, only pay \$295, and receive two optional graduate credits (additional fee).

#### Exploring East and West

East meets West as we explore the Malott Japanese Garden and English Walled Garden. Learn how culture shaped both types of gardens. Discover science activities connected to each garden including classification, pollination, and plant and animal interactions.

**Friday, June 26, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: K – 12  
PD Hours: 6**

#### Native Gardens

Growing native plants on your school grounds is a great way to have an easy-to-care-for garden that can be used to address the NGSS. Explore the Garden's Native Plant Garden and ecosystems, learn about how to choose and care for native plants, and discover activities to investigate topics including plant and animal interactions, biodiversity, adaptations, and more.

**Friday, July 10, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: K – 12  
PD Hours: 6**

#### Fruits and Vegetables

Get an in-depth look at the Garden's Fruit & Vegetable Garden! Discover how to use vegetable gardens to connect to the NGSS and address topics across the curriculum. Learn about science topics including plant parts, life cycles, pollination, and artificial selection, and gardening topics including raised beds, easy-to-grow fruits and vegetables, and composting.

**Friday, July 17, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: K – 12  
PD Hours: 6**

#### Heritage Garden

The Heritage Garden provides a great space for exploring the great diversity of plant life. Learn how to use this garden to explore the characteristics of major plant families and compare a variety of plants from around the world. Discover ideas for creating similar garden spaces at your school.

**Friday, July 24, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: K – 12  
PD Hours: 6**

#### Sensory Gardens for Early Childhood

Discover how the Sensory and Buehler Enabling Gardens are great spaces to explore with young children! Learn how to help our youngest learners develop observations skills by using all of their senses to look for patterns, conduct simple investigations in a garden setting, and explore topics such as life cycles and seasons. Gain ideas for creating sensory gardens both indoors and out that are easily accessible.

**Friday, August 7, at the Chicago Botanic Garden  
9 a.m. to 3:30 p.m.**

**\$80**

**Grade level: PreK – 2  
PD Hours: 6**

## Weeklong Summer Institute

### Earth Partnership for Schools

Earth Partnership for Schools (EPS) is an in-depth, hands-on curriculum that explores local ecosystems and the creation of a native school garden using cross-curricular activities and lessons. Learn about plant identification, native ecosystems, garden design, habitats, data collection, and more. Registration preference is given to teacher teams of two or more participating staff from a school or school district. For more information and to request registration materials, please contact Becky Ammann at (847) 835-8253, or by e-mail at [rammann@chicagobotanic.org](mailto:rammann@chicagobotanic.org).

**July 27 – 31 and November 14,**  
at the Chicago Botanic Garden  
**Monday – Friday & Saturday**

**\$285 (20 percent discount for Educator Members)**

**Grade level: K – 12**

**CPDU credit: 45, Graduate credit (additional fee): 3**

## 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 [budburst.org](http://budburst.org). Project BudBurst is a collaboration between the Chicago Botanic Garden and the National Ecological Observatory Network. It is supported by grants from the National Geographic Education Foundation and National Aeronautics and Space Administration.

### Climate Change in my Backyard

This curriculum series integrates student participation in Project BudBurst with investigation of NASA climate data, and uses an earth-systems approach to understanding climate change and its consequences for our environment. The series is aligned with the Common Core and Next Generation Science Standards and is available in three age levels—grades 5 to 6, grades 7 to 9, and grades 10 to 12. Visit [chicagobotanic.org/nasa](http://chicagobotanic.org/nasa) for more information.

*Guided Field Trips bring students face to face with plants.*

## Student Field Trips

This spring and next year, we'll be operating in alternate locations. Please watch your confirmation packet for new directions telling you where to drop off students, classroom locations, and other important details to make your trip run smoothly. Visit [chicagobotanic.org/ctl/fieldtrips](http://chicagobotanic.org/ctl/fieldtrips) for complete program information and to schedule your visit.

### 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

Programs will be changing! The following list of classes applies to the 2014–15 school year. Check out upcoming summer and fall issues of *Keep Growing* for classes offered 2015–16.

Guided programs are led by trained facilitators who will engage your students with hands-on activities to learn about plants and habitats found at the Garden. Field trips include outdoor exploration activities, so please dress for the weather. Programs cost \$120 per class of 30 students. Available dates and times vary with the program.

Visit [chicagobotanic.org/ctl/fieldtrips](http://chicagobotanic.org/ctl/fieldtrips) for more detailed grade-specific program descriptions, applicable state standards, and to schedule your visit.

## Guided Programs PreK – K

**\$120 per class of up to 25 PreK students**  
**Available Monday through Friday, 10 a.m. – noon**  
**A 1:5 ratio of chaperones to students is required.**

### Discovering Plants

Become a junior botanist as you learn about the roles of plant parts! To experience plant parts in action, students will explore the Grunfeld Children's Growing Garden (Early Fall), the Greenhouses (Late Fall/Winter), the Orchid Show (Midwinter), or the Regensteil Fruit & Vegetable Garden (Spring). Each student will pot a plant to take home.

**Early Fall, Late Fall, Early Spring**

### Outrageous Orchids: Sensational Explorers

Students will use their five senses to fully immerse themselves in the enchanting world of orchids. Through hands-on experiments, students will investigate orchid shape, color, and texture while also learning about the origins of chocolate and vanilla. Each student will leave with an orchid-themed craft or plant. Admission to seasonal orchid show included.

#### Orchid Show

**10 – 11:30 a.m.**

## Guided Programs PreK – 2

**\$120 per class of up to 25 PreK or 30 K – 2 students**  
**Available Monday through Friday, 10 a.m. – noon**  
**A 1:5 ratio of chaperones to students is required.**

### Trees and Trains

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.

**Holiday**



## 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

What is inside a seed? As junior botanists, students learn about seed parts and how they work together to produce a new plant. After dissecting a seed, students will explore the Garden and pot their own seed to take home.

Early Fall, Late Fall, Holiday, and Early Spring

### Garden Groceries

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.

Early Fall

### Insect Investigations

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.

Early Fall

## A Walk in the Woods

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 the McDonald Woods.

Early Fall and Late Fall

### New! Wonders of Worms and Soil

What roles does soil play in an ecosystem? Students will identify the components of healthy soil and come face to face with common soil-dwelling critters. Each student will leave with a potted plant.

Holiday and Early Spring

### New! Outrageous Orchids: Plant Part Investigation

Discover why orchids are considered to be one of the most unique flowers in the world. Students will explore the life cycle of an orchid and discuss the scientific reasons behind the flower's shape, size and color. Each student will leave with an orchid-themed craft or plant. Admission to seasonal orchid show included.

Orchid Show

### Spring Garden Explorers

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 Growing Garden and pot a plant to take home.

Spring

## 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

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

Early Fall, Late Fall, Holiday, and Early Spring

### Edible Botany

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.

Early Fall

### Pondering the Prairie

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.

Early Fall

### Forest Fundamentals

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 the McDonald Woods.

Early Fall and Late Fall

## School Field Trips at a Glance

Age Group	Program	Early Fall 9/1-10/11/14	Late Fall 10/13-11/7/14	Holiday 12/1-12/19/14	Orchid Show 2/16-3/13/15	Early Spring 3/16-4/10/15	Spring 4/20-6/6/15
PreK-K	Discovering Plants		Until 11/3				
	Outrageous Orchids: Sensational Explorers						
PreK - 2	Trees and Trains						
K-2	Garden Groceries						
	Insect Investigations						
	A Walk in the Woods						
	Surprising Seeds		Until 11/3				
	Wonders of Worms and Soil						
	Outrageous Orchids: Plant Part Investigation (1-2)						
	Spring Garden Explorers						
	Pondering the Prairie						
	Edible Botany						
Grades 3-5	Forest Fundamentals						
	Flower Lab		Until 11/3				
	Houseplant Science						
	Outrageous Orchids: Peculiar Pollinators						
	Spring Garden Explorers						
Grades 6-8	Ecosystems and Plant Adaptations		Until 11/3				
	Outrageous Orchids: The Mighty Rain Forest						
Grades 6-12	Water Quality						
	Green Buildings						
	Photosynthesis Lab						

## Houseplant Science

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.

**Holiday and Early Spring**

## Outrageous Orchids: Peculiar Pollinators

With deceptive scents and vibrant colors, orchids have evolved to attract a wide variety of pollinating creatures. Through hands-on activities, students will experience a day in the life of an orchid pollinator as they test nectar sugar-levels and identify attractive petal colors and scents. Each student will leave with an orchid-themed craft or plant. Admission to seasonal orchid show included.

**Orchid Show**

## Spring Garden Explorers

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 Growing Garden and pot a plant to take home.

**Spring**

*Students encounter a variety of flower shape and colors at the Orchid Show.*

## 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.**

### Ecosystem and Plant Adaptations

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 Illinois.

**Early Fall, Late Fall, and Early Spring**

### Outrageous Orchids: The Mighty Rain Forest

Step out of the classroom and into the rain forest! Using a variety of scientific tools, students will take an in-depth look at rain forest plant adaptations and critically analyze the relationships between biotic and abiotic factors within the biome. Each student will leave with an orchid-themed craft or plant. Admission to seasonal orchid show included.

**Orchid Show**

## Guided Programs 6 – 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

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 to be outside.

**Early Fall and Spring**

### Photosynthesis Lab

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.

**Holiday and Early Spring**

### Green Buildings

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

**Spring, Tuesdays and Thursdays**



## Guided Programs for Children with Special Needs

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.

**K – 12**

**Monday through Friday**  
**\$120 (includes all materials)**

**Maximum number of children: 15**

## Self-Guided Field Trips

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 reserve a self-guided activity backpack for your group.

**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 Activity Backpacks

Self-guided activity backpacks provide hands-on activities for teachers to lead while visiting the gardens. Reserve activity backpacks to enhance sensory experience in the Sensory Garden, explore Japanese culture and garden design in the Malott Japanese Garden, study plant adaptations in the Greenhouses, or to investigate the world of pollinators throughout the garden. 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.).

**Year-round**

**Monday through Friday**

**\$10 per class**

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

## Additional Field Trip Experiences

### Wonderland Express

Visit an enchanting winter wonderland with twinkling lights and a magical indoor train. Model trains travel over bridges, under trestles, past waterfalls, and through more than 80 miniature versions of Chicago landmarks. Visit [chicagobotanic.org/wonderland](http://chicagobotanic.org/wonderland) for more information about Wonderland Express.

**November 27 – January 3**  
**\$3 per person**

## School Tram Tours

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.

**April 27 through October 23**

**\$2.50 per person**

**Offered at 10:30 and 11:15 a.m., noon, and 12:45 p.m.**

**Grades PreK, K – 2, or 3 – 6**  
**30 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.

**Grades 7 – 12**  
**35 minutes**

## Model Railroad Garden

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

**May 9 – October 25**

**\$3 per person**

## Butterflies & Blooms

Summer groups; visit our outdoor, screened butterfly exhibition, where students can encounter hundreds of live tropical butterflies from South America, Asia, North America, and Africa, as well as native species from Illinois. Visit [chicagobotanic.org/butterflies](http://chicagobotanic.org/butterflies) for more information about Butterflies & Blooms.

**May 23 – September 7**

**\$3 per person**

*The Butterflies & Blooms exhibition invites students to explore species from around the world in late spring and summer.*



## The Orchid Show

Enjoy an eye-popping walk through the Tropical and Semitropical Greenhouses and galleries to experience a colorful display of hundreds of different orchids.

**February 16 – March 13**

**\$3 per person (Fee for self-guided groups only. Fee is covered in the program fee for guided groups.)**

## Traveling Plant Science Teacher

Let us come to you! Choose from a variety of programs that feature plant science topics appropriate for specific grade levels, including Terrific Trees, offered in January and February for grades PreK and kindergarten. All programs support Illinois Science Standards, include live plants brought from the Garden to study, and a plant for each student to keep.

**January and February**

**\$120 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.**

## Terrific Trees

Through the use of scientific tools and hands-on exploration, students will discover the important role trees play in forest ecosystems right from their own classroom. Students will pot a plant to keep.

**PreK – K**

The following programs can also be brought to your classroom:

Garden Groceries (PreK – 2)

Surprising Seeds (K – 2)

Flower Lab (3 – 5)

**Visit [chicagobotanic.org/ctl/outreach/](http://chicagobotanic.org/ctl/outreach/) for more information about programs and scheduling.**

## 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 (Grades 7 – 9)

Science First is a free four-week summer program for Chicago Public School (CPS) 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. Applications will be due April 24, 2015. Visit [chicagobotanic.org/sciencefirst](http://chicagobotanic.org/sciencefirst) for more information.

#### College First (Grades 10 – 11)

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. Applications will be due April 10, 2015. Visit [chicagobotanic.org/collegefirst](http://chicagobotanic.org/collegefirst) for more information.

*The Science Career Continuum is made possible by the generous support of an anonymous donor, Lloyd A. Fry Foundation, Institute of Museum and Library Services, ITW, Colonel Stanley R. McNeil Foundation, Paul M. Angell Family Foundation, Alvin H. Baum Family Fund, Discover Financial Services, Harold M. and Adeline S. Morrison Family Foundation, Sage Foundation, Stanley Smith Horticultural Trust, Trillium Foundation, William J. Clancy Foundation, Bertha Lebus Charitable Trust, Takiff Family Foundation, and the W.P. & H.B. White Foundation.*

#### 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. Visit [www.cbgreu.org](http://www.cbgreu.org) for more information. Please note that the summer 2015 REU program is contingent upon renewal of funding. The Garden's REU program is made possible by the generous support of the National Science Foundation.

*The Garden's REU program is made possible by the generous support of the National Science Foundation.*

## Windy City Harvest

### Brighter Futures in a Growing Economy

Too often, people faced with limited opportunities find themselves unable to reach their full potential. Through its Windy City Harvest program, the Chicago Botanic Garden offers alternatives for youth and adults based on the growing interest in urban farming. The results we have seen since introducing jobs-training and mentoring programs in sustainable horticulture and urban agriculture have changed thousands of lives.

#### Windy City Harvest Youth Farm

The Garden's Windy City Harvest Youth Farm program provides a summer employment opportunity for Chicago and Lake County teens, teaching them about how plants are an essential part of a healthy food system and healthy communities. Each year, approximately 90 young people learn how to work as a team to plant, grow, harvest, and market thousands of pounds of sustainably grown produce at one of our four urban farm sites in Chicago and Lake County. These students become directed toward higher education and inspired by the belief that their actions can contribute to positive change for some of the area's most challenged communities.

[Chicagobotanic.org/harvest/youthfarm](http://Chicagobotanic.org/harvest/youthfarm)

#### Windy City Harvest Apprenticeship

The Garden offers a nine-month accredited certificate in sustainable urban agriculture in partnership with Daley College, delivered by Garden staff at the Arturo Velasquez Institute satellite campus. There are currently six urban farm sites where apprentices (certificate students) learn and practice their production skills. To date, 89 percent of the certificate graduates—career changers, entrepreneurs, and people with barriers to employment—have found seasonal and full-time jobs in the local horticulture and urban agriculture industry.

[Chicagobotanic.org/harvest/apprenticeship](http://Chicagobotanic.org/harvest/apprenticeship)

#### Windy City Harvest Corps

The Windy City Harvest Corps provides opportunities for people with multiple barriers to employment and is intended for both juveniles (ages 17 to 21) and adults who have been involved with the justice system. The Corps provides training and transitional employment in Windy City Harvest operation sites for approximately 30 adults annually. Participants complete the Roots of Success job-readiness curriculum and are encouraged to apply to the Apprenticeship certificate program.

[Chicagobotanic.org/harvest/corps](http://Chicagobotanic.org/harvest/corps)

The success of the Garden's Windy City Harvest program would not be possible without federal agency grants, City of Chicago funding for transitional jobs, generous private foundation and corporate support, and the collaboration of employment partners such as Midwest Foods, Eataty, and FarmedHere, whose hiring practices consider people who have gone through the justice system.

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## Horticultural Therapy

### Cultivating Health and Well-being

#### 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 garden design, sensory landscaping, and horticultural therapy program planning. Visit [chicagobotanic.org/therapy](http://chicagobotanic.org/therapy) for more information.

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CHICAGO BOTANIC GARDEN

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For more information,  
please visit *Keep Growing* online.  
[keepgrowing.com](http://keepgrowing.com)



*The Chicago Botanic Garden is one of the treasures of the Forest Preserves of Cook County.*

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