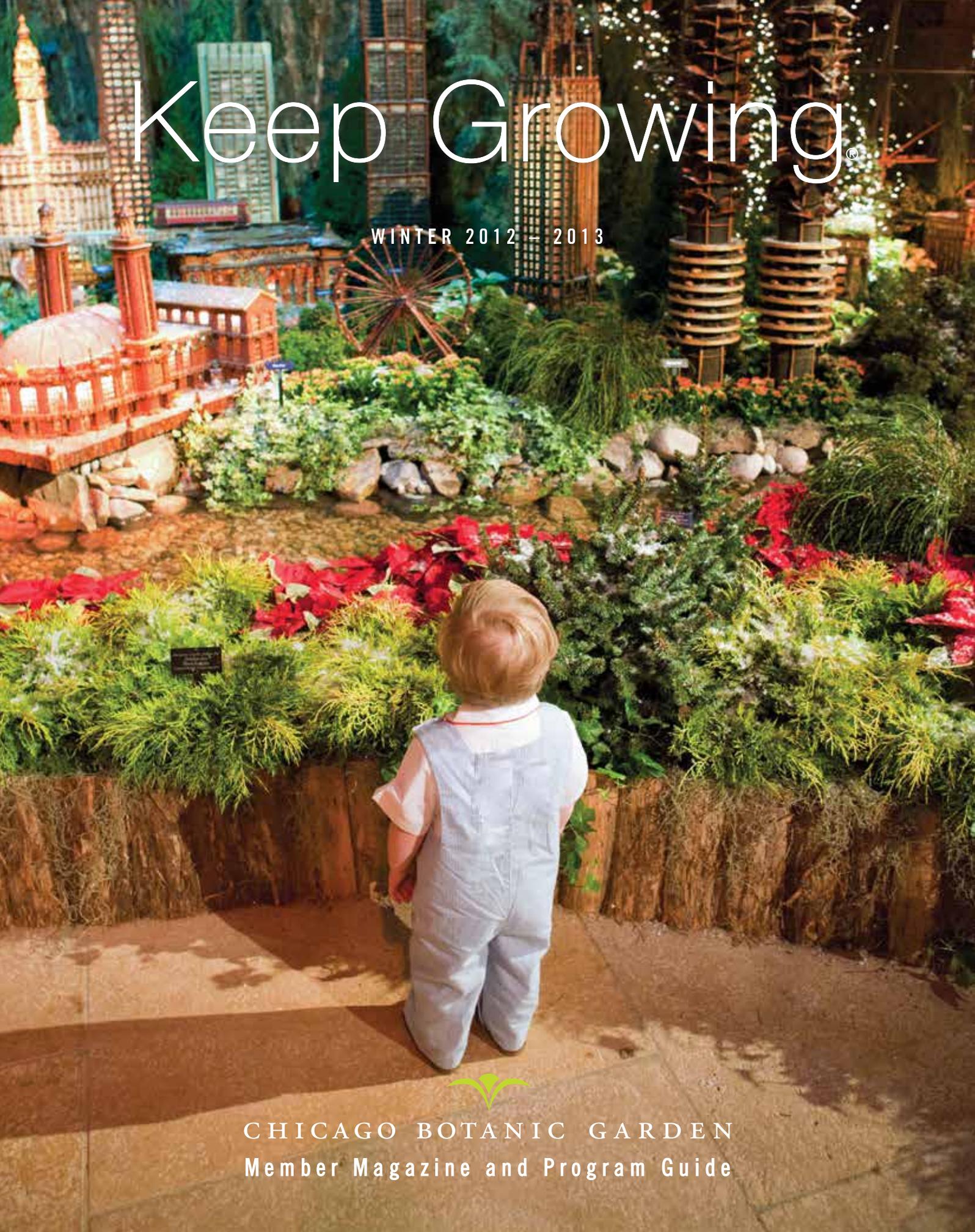


Keep Growing[®]

WINTER 2012 – 2013



CHICAGO BOTANIC GARDEN
Member Magazine and Program Guide



Joseph Regenstein, Jr. School

Adult Education

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

Connecting with the Heart of Yoga: A Journey with Pat and Steve Nakon

Husband and wife team Steve and Pat Nakon of Whole Journey Northwest Yoga bring more than 30 years of teaching experience to the Garden. Pat and Steve share the teaching responsibilities, so students have the opportunity to experience each of their unique talents.

“Modern urban life can be stressful,” says Pat. “Our approach to practice helps people find balance and hopefully carry that peaceful, centered feeling with them into their daily lives.”

“Regardless of the class, our approach focuses on strength, flexibility, deep release, breath, and peace. Our intention is for students to walk away feeling better than when they arrived. Students tell us they find the atmosphere of our classes to be welcoming, accepting, and encouraging,” says Steve.

See pages 62 and 63 for a listing of classes taught by Steve and Pat. Visit www.chicagobotanic.org/school/wellness for more information and to register for classes.

Yoga students of all ages and abilities are warmly received by instructors Steve and Pat Nakon.



Highlights

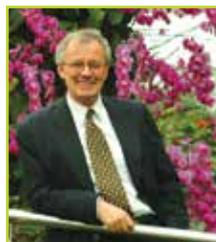
Traditional Holiday Wreath

Tuesday, November 27
See page 56 for details.



Garden Mosaic Tile Workshop

Tuesday, December 4
See page 56 for details.



New! Ginkgo: The Tree That Time Forgot

A special engagement and book signing with Sir Peter Crane
Thursday, March 14
See page 44 for details.

Winter Meditation Walk

Saturday, January 26
See page 62 for details.

Sustainable Gardener Series

6 Saturdays, February 2 – March 16
See page 48 for details.

Pop-Up Flowers of the Midwest: Beginners

Friday, April 5
See page 59 for details.



Beginning Beekeeping Workshop

Saturday, February 9
See page 43 for details.



Tulip Mania!

Marilyn Garber Watercolor Workshop
Friday – Sunday, April 12–14
See page 60 for details.

Expressive Watercolor

6 Saturdays, March 2 – April 6
See page 60 for details.

Overview of Courses and Programs

GENERAL INTEREST COURSES

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

Professional Programs

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

Symposia

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

Master Gardener Training Program

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

After completing the training program and 60 hours of volunteer service, participants become certified University of Illinois Extension Master Gardeners. The next on-site and online programs will begin in January 2013. Please visit www.chicagobotanic.org/school/mastergardener or call Jill Selinger at (847) 835-6849.

Visit www.chicagobotanic.org/school/faculty for faculty biographies.

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

Certificate Programs

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

Certificate programs are offered at many levels to give both beginners and professionals opportunities to improve their expertise and marketability. Details about all of the certificate programs are available at www.chicagobotanic.org/school/certificate. Contact Amelia Simmons-Hurt 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.

- **New! Focus on Photography (FPC)**

The Regenstein School is pleased to announce the launch of a new certificate program, enabling photographers of all levels to experience the wonders of the natural world, develop and sharpen their powers of observation, and master their technical skills in the studio. This program is your unique opportunity to discover and enhance your creativity, learn from outstanding photography professionals, and enjoy the Garden as your studio. Contact Jill Selinger at certificateprogram@chicagobotanic.org or (847) 835-6849 for more information about the photography certificate.

Adult Education Free Information Session, Monday, March 4, 6 – 8 p.m. Call (847) 835-8261 to register.

Master photography skills in the Garden's newest certificate program.



Professional Development Programs

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

Pruning for Professionals

November 28
Wednesday
9:30 a.m. – 3 p.m.
Annex 1

Tom Tiddens, plant healthcare supervisor and certified arborist; Thomas Fritz, plant healthcare specialist; and Mike Annes, plant healthcare specialist, Chicago Botanic Garden
\$87 nonmember; members receive 20% discount

This course is designed as a comprehensive review of basic pruning practices for landscape professionals. There will be demonstrations in the field, and a review of pruning tools and equipment care. Please dress for the weather, as the afternoon will be spent outdoors. Lunch is on your own.

Podando para Profesionales

Pruning for Spanish-Speaking Professionals

November 29
Thursday
9 a.m. – noon
Annex 1

Manny Sanchez, grounds foreman, Chicago Botanic Garden
\$49 nonmember; members receive 20% discount

Este repaso de prácticas de podar para jardineros profesionales incluirá técnicas, tiempo, y como escoger las mejores herramientas. Debido a que parte de la clase estará afuera se requiere que traigan tijeras y serrucho para practicar. This review of pruning practices will be taught in Spanish. An English description is listed above.

See Your Landscape Through SketchUp!

January 14 – February 4
4 Mondays
7 – 9 p.m.
Design Studio
Maelo Maldonado, ASLA, principal, Latitude Land Design, LLC
\$162 nonmember; members receive 20% discount

Professionals in the landscape architecture, construction, and related industries choose SketchUp because it's the most intuitive, most cost-effective tool of its kind. This course will help participants with SketchUp commands and with developing their own 3D models.

Tree Risk Assessment Update

New ANSI A300 Standard, ISA Qualification, and BMP

February 14
Thursday
9 a.m. – noon
Alsdorf Auditorium

E. Thomas Smiley, Ph.D., arboricultural researcher, Bartlett Tree Research Lab, and Erik Grossnickle, arborist representative, Bartlett Tree Experts
\$54 nonmember; members receive 20% discount

E. Thomas Smiley will discuss recent developments in tree risk assessment. This will include information on the new ANSI A300 standard on risk assessment, the upcoming ISA Tree Risk Assessment Qualification, and the ISA Best Management Practice (BMP) on tree risk assessment. Erik Grossnickle will provide some local examples of tree risk assessments.

Garden Restoration: Research to Re-creation

February 21
Thursday
9:30 – 11:30 a.m.
Linnaeus Room

Craig Bergmann, ASLA, proprietor, Craig Bergmann Landscape Design
\$49 nonmember; members receive 20% discount

How do you take a much-loved, older garden and return it to its former glory—while incorporating the dreams of the current owner? Local landscape architect Craig Bergmann will take you through the restoration process, and give you the back story to some of his design projects, such as the House of the Four Winds in Lake Forest, an Iowa “Maytag” estate, and his own garden.

BONSAI WORKSHOPS

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

Bonsai: Beginner – Basics and Fundamentals

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

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

Bonsai: Novice – Development Techniques

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

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

Bonsai: Intermediate – Refinement Techniques

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

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

Bonsai: Advanced – Presentation-Quality Efforts

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

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



Craig Bergmann restored his own home and studio.

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.

Basic Pruning for Homeowners

December 1
Saturday
1 – 3:30 p.m.
Annex 2

Tom Tiddens, plant healthcare supervisor and certified arborist, Chicago Botanic Garden
\$45 nonmember; members receive 20% discount

The best time to prune most trees and shrubs is quickly approaching. Learn the basic techniques for dormant winter pruning to maintain plant health and desired form. A portion of the class will consist of outdoor demonstrations, so please dress for the weather.

Preparing Roses for Winter

December 8
Saturday
9 – 11 a.m.
Annex 1

Tom Soulsby, horticulturist, Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

Now is the time to start putting your roses to bed for the winter. Join Tom Soulsby and learn about the degrees of cold tolerance and the proper way to protect various types of roses. A portion of the class will consist of outdoor demonstrations and hands-on practice, so dress for the weather and bring thorn-resistant gloves.

Botany for Beginners

January 19
Saturday
1 – 3:30 p.m.
Plant Science Lab, Regenstein Center

Rich Hyerczyk, botanist
\$45 nonmember; members receive 20% discount

Why are most plants green? Why are chili peppers hot and watermelons sweet? Have you ever had questions such as these about the biology of your garden plants? Come and enjoy a brief introduction to botany, the science of plants.

Houseplants – How to Green Up Your Home

January 26
Saturday
1 – 3:30 p.m.
Plant Science Lab

Jerry L. Garner, Ph.D., horticulturist, consultant, and retired professor of horticulture
\$45 nonmember; members receive 20% discount

Green up your home or turn it into a lush jungle of an indoor garden. Take a close look at the benefits and needs of houseplants, including light, temperature, humidity, watering, containers, and growing media. Participants are encouraged to bring in plants for questions and discussion. A short tour of the Garden conservatories will conclude the class.

Soils: Where Are Your Roots?

February 2
Saturday
9:30 a.m. – noon
Garden View Room

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

One of the secrets to gardening success is an understanding of soils. Join Glenn Grosch for a detailed discussion of soils, including structure, fertilizers, understanding and managing pH, soil amendments, and water management. This course will also highlight proper horticultural techniques for a healthy soil ecosystem.

Starting From Seed

February 9
Saturday
9:30 a.m. – noon
Garden View Room

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

Starting plants from seed is both interesting and relatively easy! This course covers all elements of starting both annuals (flowers and vegetables) and perennials from seed. The discussion includes plant selection, containers, planting mixes, watering, heating, lighting and disease control. This is a must for beginners and a good review for the experienced gardener.

Fruit Trees for the Beginner

February 16
Saturday
9:30 a.m. – noon
Garden View Room

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

Tree fruits present a great opportunity to both enhance your landscape and add to your eating pleasure! The discussion will cover selecting varieties, site selection and preparation, and proper planting. Pruning techniques, ongoing maintenance, and pest management will also be discussed. Dress for the weather, as part of the class will be outside.

Brambles and Berries for the Beginner

February 23
Saturday
9:30 a.m. – noon
Annex 1

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

Would you love to be able to harvest fresh berries from your own backyard? If so, this class will convince you how easy it is to successfully grow berry fruits. You will learn how to choose the best varieties, select and prepare a site, and use proper planting and pruning techniques, as well as understand other maintenance requirements. Dress for the weather, as part of the class will be outside.

Success with Trees and Shrubs

March 16
Saturday
9:30 a.m. – noon
Garden View Room

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

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

Pruning Principles

March 17
Sunday
1 – 3 p.m.
Linnaeus Room

Tim Johnson, director of horticulture, Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

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

Spring Lawn Care for Homeowners

March 23
Saturday
9 – 11 a.m.
Seminar Room, Plant Science Center

Tom Fritz, plant healthcare specialist, Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

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.

Horticulture

Holiday Lighting Techniques

November 8
Thursday
6:30 – 8:30 p.m.

Annex 1
Heather Sherwood, horticulturist,
Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

Do you wish that your outdoor holiday lights could be as spectacular as the ones at the Garden? If so, join Heather Sherwood as she demonstrates the techniques used to decorate trees and shrubs with lights for the holiday season. Learn how to estimate equipment and time, install the lights, and maintain a beautiful show. Dress for the weather, as part of the class will be outdoors.

Backstage Pass: Winter Floral Wonders

November 11
Sunday
1 – 3 p.m.

Meet at Rice Plant Resource Center
Tim Pollak, outdoor floriculturist,
Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

In the fall, the Garden's Greenhouses are brimming with poinsettias and other holiday plants of many hues. Join Tim Pollak to learn about propagation techniques, greenhouse environmental and computer systems, watering and fertilizing equipment, and how the growing space is managed throughout the year.

Hands-On Gardening: End-of-Season Pruning

November 17
Saturday
1 – 3 p.m.

Annex 2
Dave Cantwell, horticulturist, Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

To cut or not to cut your woody plants? What you cut today affects what the plant will look like and how well it will grow for years to come. After a brief classroom discussion, you will have the opportunity to practice pruning small woody plants. Please dress for the weather and be prepared to get dirty, as most of the class will be spent outside, rain or shine.

Bulbs for Winter Indoor Color

November 19
Monday
6:30 – 8:30 p.m.

Annex 2
William Moss, horticultural educator
\$62 nonmember; members receive 20% discount

To add a breath of spring to your home this winter, join William Moss as he demonstrates the proper techniques for forcing bulbs such as tulips, daffodils, hyacinths, and minor bulbs. Learn how to choose varieties that are good performers as well as how to combine them in one pot for a mini-garden effect. You will then pot up some bulbs to take home. The fee includes all materials.

Winter Containers at the Garden

December 6
Thursday
10 a.m. – noon

or
6:30 – 8:30 p.m.

Annex 1
Nancy Clifton, program specialist,
Chicago Botanic Garden
\$87 nonmember; members receive 20% discount

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.

Holiday Dish Gardens

December 8
Saturday
1 – 3 p.m.

Annex 2
Tim Pollak, outdoor floriculturist,
Chicago Botanic Garden
\$74 nonmember; members receive 20% discount

Simplify your holidays with one centerpiece to adorn all of your holiday feasts! Dish gardens are miniature landscapes grown in shallow containers that may be used as living centerpieces throughout the year. Tim Pollak will show you different containers, materials needed to assemble them, and proper plant selection. Then create your own beautiful, functional dish garden. Please bring an apron, trowel, gloves, and hand pruners.

Visit www.chicagobotanic.org/school/faculty for faculty biographies.

Adult Education Free
Information Session,
Monday, March 4, 6 – 8 p.m.
Call (847) 835-8261 to register.

The Glass Jar Terrarium Workshop brings creative plantings indoors.



Glass Jar Terrarium Workshop

February 7
Thursday
6:30 – 8:30 p.m.
Annex 2

Tim Pollak, outdoor floriculturist,
Chicago Botanic Garden
\$75 nonmember; members receive 20% discount

Terrariums are back! Learn how to create a glass jar terrarium from start to finish. A glass jar, an assortment of small indoor plants for a variety of light conditions, and all other materials will be provided for you to create your own miniature oasis to enjoy this winter and all year long! Please bring gloves, an apron if desired, and pruning shears.

Beginning Beekeeping Workshop

February 9
Saturday
9 a.m. – 4 p.m.
Linnaeus Room

Charles and Karen Lorence, owners,
Lorence's Honey Bee Haven
\$75 nonmember; members receive 20% discount

Join us for this full-day program and learn about the history of beekeeping in North America, the anatomy and physiology of the bees including the caste system, and duties of the honey bees. We will also discuss the impending disaster of the honey bee—Colony Collapse Disorder—and what we can do about it. Lunch is on your own.

Urban Composting

February 16
Saturday
1 – 3 p.m.
Linnaeus Room

Bill Shores, professional grower and garden consultant
\$37 nonmember; members receive 20% discount

Even with limited or no yard space, you can produce surprisingly large quantities of your own high-quality compost. Join Bill Shores as he explains the composting process. The class will cover various materials, ways to fit composting into small urban spaces, what containers you can build or purchase and how to use them effectively, harvesting and using compost, and indoor composting options.

Classes are subject to change.
For the most current listings visit
www.chicagobotanic.org/school.

Budget-Friendly Gardening Ideas

February 21
Thursday
6:30 – 8:30 p.m.
Linnaeus Room

Tim Pollak, outdoor floriculturist,
Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

Join Tim Pollak for some interesting and timely tips for ways to save money in your garden. Save money by starting plants from seeds, dividing perennials, overwintering non-hardy plants, changing out your plants, choosing the right plants for certain situations, composting, and using rain barrels. Pollak will run down his Top Ten list of money-saving tips.

New! Seed-Saving Workshops

In conjunction with the Garden's annual Seed Swap, join us for one or both of these workshops. The workshops are ideal for beginners and experienced gardeners alike.

Register for both sessions at once and save 10 percent.

Seed-Saving Primer

February 24
Sunday
9 – 10 a.m.
Linnaeus Room

Shannon Carmody, program manager,
Seed Savers Exchange, Decorah, Iowa
\$19 nonmember; members receive 20% discount

Each spring, you dream about what to plant, select your bedding plants and seeds, then brace yourself for the total at the checkout counter. Reduce that investment while creating a perpetual garden, in which the seeds you collect from this season become the miracle of next year's spring. Come learn the essentials to begin your own seed-saving journey.

Planning Your Garden for Seed Saving

February 24
Sunday
10:30 a.m. – 12:30 p.m.
Linnaeus Room

Shannon Carmody, program manager,
Seed Savers Exchange, Decorah, Iowa
\$37 nonmember; members receive 20% discount

If you're interested in seed saving, understanding some basic concepts before you get started will make the process easier. Learn the difference between open-pollinated and hybrid seed and gain understanding of plant taxonomy, reproductive structures, and pollination methods.

Please plan to attend the 2 p.m. lecture, "Seed Letters," focusing on some of the wonderful stories that accompany the seeds donated to the Seed Savers Exchange. See page 10 for details.

Growing Salads Indoors

March 2
Saturday
9:30 – 11:30 a.m.
Linnaeus Room

Bill Shores, professional grower and garden consultant
\$37 nonmember; members receive 20% discount

Learn to grow organic salad greens at home, whether you have garden space or not! Professional gardener Bill Shores, who has grown specialty greens for more than a decade and currently manages chef Rick Bayless's market garden, will treat participants to a visual feast of microgreens. Then he will demonstrate how to plant the seeds in growing trays, and discuss maintenance and harvesting techniques.

New! Small Space Food Gardens

March 2
Saturday
1 – 3 p.m.
Linnaeus Room

Bill Shores, professional grower and garden consultant
\$37 nonmember; members receive 20% discount

Bill Shores will offer an overview of techniques to produce food organically in small urban/suburban spaces. Through photos and garden planting graphics, you will gain an understanding of the process of designing a successful food garden. Topics include efficient use of in-ground space, intensive and succession planting techniques, raised bed gardens, season extension, indoor gardens, and building and maintaining healthy soils.

Grow Orchids on Your Windowsill

March 9
Saturday
1 – 3:30 p.m.
Annex 2

Jerry L. Garner, Ph.D., horticulturist, consultant,
and retired professor of horticulture
\$45 nonmember; members receive 20% discount

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

Organic Gardening: A Fresh Approach

March 12

Tuesday

6:30 – 9 p.m.

Linnaeus Room

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

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

New! Ginkgo: The Tree That Time Forgot*A special engagement and book signing*

March 14

Thursday

6:30 – 8 p.m.

Fairchild Room

Sir Peter Crane, FRS, dean, Yale School of Forestry and Environmental Studies
\$25 nonmember; members receive 20% discount

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

New! Sustainable Gardens: Meadows and Gravel Gardens

March 14

Thursday

7 – 8:30 p.m.

Linnaeus Room

Jeff Epping, director of horticulture,
Olbrich Botanical Gardens, Madison, Wisconsin
\$27 nonmember; members receive 20% discount

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

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

March 15

Friday

10 – 11:30 a.m.

Linnaeus Room

Jeff Epping, director of horticulture,
Olbrich Botanical Gardens, Madison, Wisconsin
\$27 nonmember; members receive 20% discount

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

Gardening in Raised Beds

March 16

Saturday

9 a.m. – noon

Elawa Farm, Lake Forest, IL

Rick Belding, director of the garden at Elawa Farm and Andy Swets, carpentry supervisor,
Chicago Botanic Garden
\$54 nonmember; members receive 20% discount

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

New! Going Beyond the Phalaenopsis

March 23

Saturday

1 – 4 p.m.

Annex 2

Jerry L. Garner, Ph.D., horticulturist, consultant, and retired professor of horticulture
\$54 nonmember; members receive 20% discount

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

Backstage Pass: Flowering Spring Celebrities

March 24

Sunday

1 – 3 p.m.

Meet at Rice Plant Resource Center

Tim Pollak, outdoor floriculturist,
Chicago Botanic Garden
\$37 nonmember; members receive 20% discount

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

Hydrangeas

March 28

Thursday

6:30 – 9 p.m.

Linnaeus Room

Glenn Grosch, horticulturist and agronomist
\$45 nonmember; members receive 20% discount

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.

Growing a Cook's Garden

April 6

Saturday

1 – 3 p.m.

Garden View Room

Nina Koziol, garden writer
\$37 nonmember; members receive 20% discount

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.

Visit www.chicagobotanic.org/school/faculty for faculty biographies.

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

FOUR SEASONS OF BEAUTY 2013: THE CHICAGO BOTANIC GARDEN CONTAINER SERIES

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

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

Register for all four sessions at once and save 10 percent.

Spring Containers at the Garden

April 23
Tuesday
10 a.m. – noon
or
6:30 – 8:30 p.m.

Annex 2

Nancy Clifton, program specialist,
Chicago Botanic Garden
\$87 nonmember; members receive 20% discount

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.

Summer Containers at the Garden

June 18
Tuesday
10 a.m. – noon
or
6:30 – 8:30 p.m.

Annex 2

Nancy Clifton, program specialist,
Chicago Botanic Garden
\$87 nonmember; members receive 20% discount

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.

Autumn Containers at the Garden

September 10
Tuesday
10 a.m. – noon
or
6:30 – 8:30 p.m.

Annex 2

Nancy Clifton, program specialist,
Chicago Botanic Garden
\$87 nonmember; members receive 20% discount

Take a 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.

Winter Containers at the Garden

December 3
Tuesday
10 a.m. – noon
or
6:30 – 8:30 p.m.

Annex 2

Nancy Clifton, program specialist,
Chicago Botanic Garden
\$87 nonmember; members receive 20% discount

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.



HORTICULTURE CERTIFICATE PROGRAMS

Botany 2, Winter Session

November 5 – December 12
Monday and Wednesday
6:30 – 8:30 p.m.

Plant Science Lab, Regenstein Center

Richard D. Hyerczyk, botanist
\$337 nonmember; members receive 20% discount

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

Gardening Techniques: Session B

January 26 – March 2

6 Saturdays
7:30 – 10:30 a.m.

Annex 2

Lynette Rodriguez, owner and horticulturist,
A Finer Touch
\$312 nonmember; members receive 20% discount

PGL 1, PGL 2, GDC requirement

Students will be introduced to professional gardening through a combination of lecture and hands-on activities. They will focus on acquiring solid gardening skills, learning about a variety of techniques, and developing the ability to determine best practices. Topics range from general grounds maintenance, winterization, plantings, and other horticultural practices. This is a pre-professional class designed for students entering the green industry.

Plant Propagation

February 11 – March 4 and June 3 – 17
(no class February 18)

6 Mondays
6:30 – 9 p.m.

Annex 2

and

February 16, March 2, March 9, and June 8 – 22
(no class February 23)

6 Saturdays

11 a.m. – 2 p.m.

Production Headhouse

Cathy Thomas, propagator, Chicago Botanic Garden
\$337 nonmember; members receive 20% discount

MGC requirement

Become familiar with common propagation techniques through lecture and lab exercises. Learn to propagate plants by seeds, cuttings, layering, division, and other methods. Discover equipment and structures to propagate plants successfully.

SUSTAINABLE GARDENER SERIES

February 2 – March 16

(no class February 9)

6 Saturdays

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

John Eskandari, arborist and plant acquisitions,
Gethsemane Gardens

Save and register for all six sessions at once!
\$312 nonmember; members receive 20% discount

OPC elective

Ever feel overwhelmed by all the information on sustainability? Get familiar with the mindset, background, science, and terminology as it relates to horticulture and beyond. This series includes discussion and information on sustainable features and concepts from rain gardens, composting, and materials re-use, to ways to minimize installation or maintenance impact, and incorporating sustainable elements into your garden and landscape.

Introduction to Sustainability

February 2

Saturday

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

\$74 nonmember; members receive 20% discount

Learn how environmental, economic, and social sustainability affect the green industry. Discussions will cover the concepts of sustainability and the role horticulture can play in enhancing the sustainable movement. The School's CEUs=0.3

Water

February 16

Saturday

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

\$74 nonmember; members receive 20% discount

Explore water's role in sustainable horticulture. Topics include drought-tolerant plants, drip irrigation/xeriscaping, rain gardens, rain barrels, reduced lawn areas, and native plants. The School's CEUs=0.3

Soil

February 23

Saturday

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

\$74 nonmember; members receive 20% discount

Soil is a building block of sustainable gardening. Topics include composting, recycling garden waste, earthworms, beneficial microbes, bioremediation, organic/local compost and soil amendments and container gardening. The School's CEUs=0.3

Positive Economic Impacts for our Landscape

March 2

Saturday

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

\$74 nonmember; members receive 20% discount

Learn how sustainable practices can help your wallet with a reduced water bill, less equipment to own, green roofs to extend life of roofing materials and reduced heating/cooling costs with plants. The re-use of plants and materials on-site reduces unnecessary expenses. The School's CEUs=0.3

Materials and Energy Usage in a Sustainable Landscape

March 9

Saturday

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

\$74 nonmember; members receive 20% discount

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

Social Impacts of Sustainability

March 16

Saturday

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

\$74 nonmember; members receive 20% discount

Simple ideas can change neighborhoods for the better. Communities have noticed reduced crime in tree-lined areas, cleaner air and reduced storm-water runoff where planting has increased. Planted areas filter waste entering the soil, reducing groundwater pollution. This class will examine community movements for green spaces and habitat development. The School's CEUs=0.3

Botany 1

Spring Session

March 11 – April 17

6 Mondays and 6 Wednesdays

2:30 – 4:30 p.m.

or

6:30 – 8:30 p.m.

Plant Science Lab, Regenstein Center

Richard D. Hyerczyk, botanist

\$337 nonmember; members receive 20% discount

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

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

Deciduous Flowering Shrubs

March 19 – May 7

(no class April 16)

7 Tuesdays

6:30 – 8:30 p.m.

Garden Walks (select one)

March 21 – May 2

(no class April 18)

6 Thursdays

9 – 11 a.m.

or

March 23 – May 4

(no class April 20)

6 Saturdays

9 – 11 a.m.

Alsford Auditorium

Mark Zampardo, Ph.D., horticulture educator

\$287 nonmember; members receive 20% discount

PGL 1, PGL 2, GDC and OPC requirement

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

See plants in a new way
with Botany 1.



Soil Basics, Spring Session

March 28 – May 9
(no session April 18)
6 Thursdays
6:30 – 9 p.m.
and
April 13
Saturday
1 – 4 p.m.
Annex 2

Ellen Phillips, horticulture educator
\$337 nonmember; members receive 20% discount

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.

Clematis Up Close

March 30
Saturday
9 a.m. – noon
Linnaeus Room

Richard Hawke, manager, plant evaluation,
Chicago Botanic Garden

\$74 nonmember; members receive 20% discount

OPC elective

A profusion of showy blossoms makes clematis the undisputed queen of the climbers and an essential vine for every garden. 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. The School's CEUs=0.3

Introduction to Lichens

April 4 and 11
2 Thursdays
6:30 – 9 p.m.
Plant Science Lab, Regenstein Center

and
April 20
Saturday
1 – 3 p.m.
Site TBD

Richard D. Hyerczyk, botanist
\$149 nonmember; members receive 20% discount

OPC elective

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



Learn about clematis, queen of the climbers.

Gardening Techniques: Session C

April 6 – May 11
(April 20 off-site)
6 Saturdays
7:30 – 10:30 a.m.

Annex 2

Lynette Rodriguez, owner and horticulturist,
A Finer Touch
\$312 nonmember; members receive 20% discount

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.

Best New Annuals for 2013

April 6
Saturday
1 – 4 p.m.
Linnaeus Room

Greg Trabka, new product development manager,
Ball Horticultural Company
\$74 nonmember; members receive 20% discount

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 morphological characteristics and garden performance, cultural requirements, design and combinations, and sources. The School's CEUs=0.3

Botany 2

Spring Session
April 29 – June 10
(no class May 27)
6 Mondays and 6 Wednesdays
6:30 – 8:30 p.m.

Plant Science Lab, Regenstein Center

Richard D. Hyerczyk, botanist
\$337 nonmember; members receive 20% discount

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.

Annuals and Biennials

May 14 – July 9
(no class May 21 and July 2)
7 Tuesdays
6:30 – 8:30 p.m.

Garden Walks (select one)

May 16 – June 27
(no class May 23)
6 Thursdays
9 – 11 a.m.

or

May 18 – June 29
(no class May 25)
6 Saturdays
9 – 11 a.m.

Alsodorf Auditorium

Mark Zampardo, Ph.D., horticulture educator
\$287 nonmember; members receive 20% discount

PGL1, PGL2, 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. Learn plant identification and cultural information and see examples of refined plant combinations and intriguing planting styles. Prerequisite: Botany 1.

Nature Studies

Owl Prowl at Ryerson Woods

February 8

Friday

7 – 9 p.m.

Brushwood House, Ryerson Woods, Deerfield, IL.
Steve Bailey, ornithologist, Illinois Natural History Survey

\$37 nonmember; members receive 20% discount

Join Steve Bailey for a captivating night exploring the mystery of owls at the Ryerson Woods Conservation Area. He will discuss owl behavior and identification, as well as the places these fascinating birds are most likely to be seen. He may even demonstrate his world-famous barred owl call. After the discussion, Bailey will lead a walk in the woods to look and listen for these enigmatic birds. Please dress warmly, and bring along a flashlight and binoculars. A map will be sent.

Fall Bird Walk

November 10

Saturday

7:30 – 9 a.m.

Meet at Visitor Center

Alan Anderson, research committee chairman,
Chicago Audubon Society
\$19 each walk, nonmember; members receive 20% discount

Take a walk in the Garden and learn to identify birds in their sometimes-confusing fall plumage. Earlier bird walks will highlight warblers, vireos, and flycatchers, while later ones will feature ducks, sparrows, and hawks. Dress for the weather and bring binoculars and a field guide if you have them.

New! Earth Words: Reading Nature

January 15 – February 5

4 Tuesdays

6:15 – 8:15 p.m.

Linnaeus Room

Carol LaChapelle, writer, teacher, and author of
Finding Your Voice, Telling Your Stories
\$149 nonmember; members receive 20% discount

Earth Words introduces participants to those writers who take as their subject the mysteries and wonders of nature—including particular landscapes, places, and animals. The course packet will include poems, essays, and articles by, among others, Mary Oliver, Barry Lopez, and Diane Ackerman. In our meetings, we'll review and discuss these readings, and consider how each informs and inspires our thinking about nature.

Deciduous Trees in Winter

February 21

Thursday

1 – 4 p.m.

Linnaeus Room

Andrew Bell, curator of woody plants,
Chicago Botanic Garden
\$62 nonmember; members receive 20% discount

Winter can be an ideal time to identify trees and shrubs in the landscape perspective of forms and shapes. Learn to identify a variety of native trees and shrubs by buds, twigs, bark, and shape. Botanical keys to identify trees will be supplemented by other sources of information and observation. Classroom discussion will use slides, cut twigs, and identification keying exercises. The class will also spend part of the afternoon identifying trees outdoors. Dress for the weather.

Landscapes for Nature and Wildlife

March 9

Saturday

10 a.m. – noon

Garden View Room

John Raffetto, horticulture educator
\$37 nonmember; members receive 20% discount

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

Find birds in their fall plumage at the Fall Bird Walk.



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! Designing the “Know Maintenance” Perennial Garden

February 27

Wednesday

1 – 3:30 p.m.

Burnstein Hall

Roy Diblik, plantsman and co-owner,
Northwind Perennial Farm
\$49 nonmember; members receive 20% discount

Roy Diblik connects well-performing perennials for our region to maintenance and planting style. His design concept includes stylized perennial garden grids placing plants that live well together. Diblik calls this style “Know Maintenance” gardening, allowing gardeners to understand the time commitment needed to maintain the gardens they plant. Diblik will discuss his concepts and share images of plants and gardens that illustrate this style, and then students will have a hands-on opportunity to lay out sample gardens using actual grid maps of sample garden beds.

WEEKEND DESIGNER SERIES

If you have always wanted to improve the design of your home landscape, or if you are a new homeowner wondering where to start, this series is a great way to introduce yourself to the basic principles of landscape design. This lecture series, created for novice designers, will take you from basic design theories to site-planning techniques and finally to techniques for implementing a design plan.

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

Introduction to Design Principles

February 5
Tuesday
7 – 9 p.m.
Linnaeus Room

Valerie Gerdes Lemme, landscape architect, ASLA
\$37 nonmember; members receive 20% discount

This workshop introduces and reviews the landscape design process of site analysis, conceptual design, and evaluations, based on such landscape-design-principles as balance, symmetry, proportion, scale, and unity. Looking at plant combinations and landscape features, you will learn about color, texture, line, form, and methods of creating garden spaces.

Foundation Planting Design

February 12
Tuesday
7 – 9 p.m.
Linnaeus Room

Valerie Gerdes Lemme, landscape architect, ASLA
\$37 nonmember; members receive 20% discount

Do you live in an older home with an outdated foundation planting of overgrown evergreens? Or in a newer home that needs help creating an identity and style? Whether old or new, many homes have foundation plantings that need revamping. Learn the principles of good foundation design and view examples of before-and-after landscapes to give you the boost you need to update your home's landscape. Good design will improve the curb appeal of your home, increasing its value.

Visit www.chicagobotanic.org/school/faculty for faculty biographies.

Front Yard Design

February 19
Tuesday
7 – 9 p.m.
Linnaeus Room

Jeffrey True, vice president of operations, Hursthouse, Inc.

\$37 nonmember; members receive 20% discount

This course will teach you the basics of front yard landscape design. Jeff True will demonstrate how proper planting design can change the way you use and view your property. Your front yard design should respond to your home's architecture as well as be aesthetically pleasing. Topics will include proper plant types and spacing, focusing and screening views, and creating curb appeal.

Backyard Design

February 26
Tuesday
7 – 9 p.m.
Linnaeus Room

Jeffrey True, vice president of operations, Hursthouse, Inc.

\$37 nonmember; members receive 20% discount

Learn how to create an enjoyable backyard space that is both functional and exciting. This course will focus on the design and development of functional and attractive spaces, including dining and entertaining areas, children's play spaces, and outdoor storage and utility areas. Learn how to screen and focus views and create a sense of enclosure.

From the Drawing Board to the Border

March 5
Tuesday
7 – 9 p.m.
Linnaeus Room

Valerie Gerdes Lemme, landscape architect, ASLA
\$37 nonmember; members receive 20% discount

How do you take your plans from the drawing board and create the garden without being overwhelmed by the amount of work and money? Learn how to develop a shopping list and timeline to phase the work over several seasons. You'll also receive some useful tips on budgeting, purchasing plants, and working with landscape professionals

Adult Education Free Information Session, Monday, March 4, 6 – 8 p.m.
Call (847) 835-8261 to register.

GARDEN DESIGN CERTIFICATE PROGRAM

Graphics

Winter Session
January 17 – March 21
10 Thursdays
6:30 – 9 p.m.

Design Studio and

January 19 and 26
2 Saturdays
11 a.m. – 2 p.m.

Linnaeus Room

R. Thomas Selinger, RLA, landscape architect, Martin and Associates

\$337 nonmember; members receive 20% discount

PGL 2 and GDC requirement

Come learn the basic principles of landscape design illustration. This balanced and rewarding class provides an exciting introduction to the three basic areas of drawing communication: plans, elevations, and perspectives. Discover how to express your ideas using effective and enriched presentation techniques. Professional time-saving shortcuts, the importance of lettering, and the excitement of color are all also included. Recommended to take concurrently with Introduction to Professional Practice.

Introduction to Professional Practice

Winter session
January 23 – March 20
9 Wednesdays
6:30 – 9 p.m.

and

February 2, 9, and March 9, 16

4 Saturdays
11 a.m. – 2 p.m.

Linnaeus Room

Paul Laiblin, project manager and senior estimator, Scott Byron and Co.

\$337 nonmember; members receive 20% discount

PGL 2 and GDC requirement

Apply skills learned in Graphics toward a working understanding of the initial phases of a landscape design project. Lectures will focus on the preliminary steps necessary to begin a landscape design project and carry the project through the conceptual design phase, including site measurements, base maps, site analysis, programming, functional use diagrams, conceptual design plans, and preliminary cost estimates. Prerequisite: Graphics (courses can be taken concurrently).



Garden Design students work closely with expert faculty.

Principles of Garden Design

Winter Session

January 30 – March 20

8 Wednesdays

6:30 – 9:30 p.m.

Design Studio

and

February 2 (offsite) 11 a.m. – 2 p.m.

March 16 (Annex 2) 9 a.m. – noon

2 Saturdays

Tim Lally, ASLA, RLA, principal, Timothy Lally Design
\$337, members receive 20% discount

Spring Session

March 27 – May 15

8 Wednesdays

6:30 – 9:30 p.m.

Design Studio

and

March 30 and April 6

2 Saturdays

11 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

Tony Wasemann, ASLA, senior landscape designer,
Scott Byron & Co.

\$337 nonmember; members receive 20% discount

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.

Garden Design Implementation

January 28 – April 8

(no session February 18, March 4)

9 Mondays

6:30 – 9 p.m.

and

March 23

Saturday

9 a.m. – noon

Linnaeus Room

Jodi Mariano, RLA, senior associate, Teska Associates, Inc.

\$337 nonmember; members receive 20% discount

GDC requirement

You have the design; you have the client; you have the funding—now what? Lectures will focus on the steps necessary to carry a project from a finished design through to a built landscape. Course projects will include the preparation of construction details and documents, technical specifications, and cost estimates. Prerequisites: Graphics, Introduction to Professional Practice, Hardscape Basics, Principles of Garden Design, Planting Design, Introduction to Grading and Drainage.

Adult Education Free
Information Session,
Monday, March 4, 6 – 8 p.m.
Call (847) 835-8261 to register.

Botanical Arts and Humanities

Mosaic Workshop

November 13 – December 4

4 Tuesdays

7 – 9 p.m.

Annex 1

Bonnie Arkin, artist and designer

\$99 nonmember; members receive 20% discount

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!

Watercolor: Painting the Natural World

November 15 – December 20 (no class November 22)

5 Thursdays

9:30 a.m. – 12:30 p.m.

Design Studio

Judith Joseph, artist and educator

\$254 nonmember; members receive 20% discount

This course addresses ways to express the beauty of nature in watercolor. Each week will focus on a specific technique, such as ways to mix greens or show natural textures, with a goal of a more satisfying painting experience. The last two weeks will focus on landscape techniques: how to use composition, color, and focus to create the impression of a beautiful natural place. A supply list will be sent.

Classic Fall Cornucopia

November 20

Tuesday

1 – 3 p.m.

Plant Science Lab, Regenstein Center

Nancy Clifton, program specialist,

Chicago Botanic Garden

\$99 nonmember; members receive 20% discount

Join Nancy Clifton for a contemporary twist on a fall classic; the cornucopia. Using the horn-shaped basket that is the signature of this arrangement, you will then add dried pods, grasses, preserved flowers and nuts along with some fresh flowers, fruits, berries, gourds, and greens of the season. All supplies are provided; please bring pruners, gloves, and a large shallow box to carry your completed project home.

Traditional Holiday Wreath

November 27

Tuesday

10 a.m. – noon

Annex 1

Nancy Clifton, program specialist,
Chicago Botanic Garden

\$79 nonmember; members receive 20% discount

Make a traditional evergreen wreath to grace your home this holiday season! You will learn how to cut the greens and assemble them to create your own mixed evergreen wreath. Balsam, white pine, arborvitae, and boxwood will be the base greens, with a special evergreen accent. Please bring garden gloves, pruners, and a box to transport your finished project. All other materials are included in the fee.

Garden Mosaic Tile Stepping Stone

December 4

Tuesday

10 a.m. – 3:30 p.m.

Annex 1

Janet Austin, artist

\$124 nonmember; members receive 20% discount

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

New! HOLIDAY FIBER ARTS WORKSHOPS

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

Register for both sessions at once and receive a 10 percent discount.

Father Christmas Ornament Workshop

December 6

Thursday

10 a.m. - noon

Linnaeus Room

\$49 nonmember; members receive 20% discount

Create a three-dimensional ornament that uses wool as a sculpting medium to create a realistically adorable Father Christmas! He'll have jolly cheeks, a snow white curly beard, and a hat or a holly wreath. Use hand-dyed, locally grown wool roving and needle felting to shape this special little fellow. Great project for holiday gifts! Fee includes all supplies.

Felted Pine Tree Workshop

December 6

Thursday

1 – 2:30 p.m.

Linnaeus Room

\$49 nonmember; members receive 20% discount

Welcome the winter season as we create a woolly pine tree. We'll be using hand dyed, locally grown wool locks to create the layers of branches. When we are finished, we'll have a 10" tree that is perfect for decorating, gift giving, and table setting. The entire tree is created by using needle felting techniques that are easy, fun, and simple for anyone to enjoy! Fee includes all supplies.

New! Boxwood Kissing Ball

December 12

Wednesday

10 a.m. – noon

Annex 1

Nancy Clifton, program specialist,
Chicago Botanic Garden

\$79 nonmember; members receive 20% discount

Create your own hanging boxwood spheres like those that grace the halls for Wonderland Express! You will make a smaller home-sized version to display indoors or out. Ideas for enhancing the boxwood sphere will also be covered in class. Please bring garden gloves and a box to transport your finished project. All other supplies are included.

Holiday Centerpiece

December 19

Wednesday

9:30 a.m. – noon

or

6:30 – 9 p.m.

Annex 2

Liz Rex, horticulturist, Chicago Botanic Garden

\$74 nonmember; members receive 20% discount

Join us at the Garden and create a lovely, long-lasting holiday centerpiece, using fresh-cut evergreens and seasonal flowers. Bring gloves, pruners, and a box for your finished arrangement. The fee includes all other materials.

Create a smaller version of the boxwood kissing ball displayed at Wonderland Express.



Visit www.chicagobotanic.org/school/faculty for faculty biographies.

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

Rejuvenated Jewelry

January 8 – February 12

6 Tuesdays

7 – 9 p.m.

Annex 2

Bonnie Arkin, artist and designer

\$149 nonmember; members receive 20% discount

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



Students learn frame-loom weaving skills.

Calligraphy and Floral Decoration

January 10 – February 14

6 Thursdays

12:30 – 3:30 p.m.

Annex 2

Judith Joseph, artist and educator

\$287 nonmember; members receive 20% discount

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

Watercolor: Painting the Natural World

January 10 – February 14

6 Thursdays

1 – 4 p.m.

Annex 2

Judith Joseph, artist and educator

\$302 nonmember; members receive 20% discount

This course addresses ways to express the beauty of nature in watercolor. Each week will focus on a specific technique, such as ways to mix greens or show natural textures, with a goal of a more satisfying painting experience. The last two weeks will focus on how to use composition, color, and focus to create the impression of a beautiful landscape. A supply list will be sent.

Visit www.chicagobotanic.org/school/faculty for faculty biographies.

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

Beginning Frame-Loom Weaving

January 15 – March 19

10 Tuesdays

9 a.m. – 1 p.m.

Design Studio

Pamela Feldman, artist and educator

\$474 nonmember; members receive 20% discount

In this beginning-level class, we examine the many possibilities of creating woven forms using a simple frame loom. Students will experiment with the basic techniques of tapestry and plain-weave, and then explore ways of creating surface, image, and text within a woven form. Each student will complete a finished piece. Visual presentations and demonstrations are included. Basic supplies are included in the class fee. Students are expected to purchase additional materials as needed for sample studies and the final project.

Frame-Loom Weaving

January 16 – March 20

10 Wednesdays

9 a.m. – 1 p.m.

Design Studio

Pamela Feldman, artist and educator

\$474 nonmember; members receive 20% discount

This class will focus on students' individual weaving projects and skill building. We will begin the class by assessing student levels, and then design a skill-building outline that will help students increase their ability to express themselves through the tapestry medium. Visual presentations and demonstrations are included. Basic supplies for the samples are included in the class fee. Students are expected to purchase additional materials for the final project. Requirements: Beginning Frame-Loom Weaving and consent of instructor.

Behind-the-Scenes Tour: The Flower Market

January 16

Wednesday

10 a.m. – 3 p.m.

Annex 1

Nancy Clifton, program specialist,

Chicago Botanic Garden

\$112 nonmember; members receive 20% discount

Get a behind-the-scenes look at a local wholesale floral supplier. We will meet at the Garden for a floral design workshop on how to arrange a tabletop centerpiece. After lunch, we will caravan to the market for a unique tour, then shop for flowers and supplies that you can arrange at home, so bring your wallet! The program will conclude at the flower market in Northbrook. Please bring pruners and a box to transport your completed arrangement. All other materials for the workshop will be included in the fee. Please bring a sack lunch.

Garden Art Mosaic Workshop

January 17 – February 21

6 Thursdays

7 – 9 p.m.

Annex 1

Bonnie Arkin, artist and designer

\$149 nonmember; members receive 20% discount

Brighten your garden with an eye-catching mosaic conversation piece. Mosaic the numbers for your address, a one-of-a-kind mailbox, a stepping stone, a funky folk-art masterpiece for the garden—even a bowling ball! Bonnie is bursting with exciting, motivating ideas for you to bring color and excitement to your outdoor living space.

BOTANICAL ART: “LEARNING HOW” SERIES

This series of classes is for anyone who has an interest in learning how to draw and paint, but feels intimidated merely at the thought. Derek Norman's step-by-step instruction and guidance will allow you to learn and have fun doing it!

Register for both sessions at once and receive a 10 percent discount.

Botanical Art: Learning How to Draw

January 18 – March 1
(no class February 22)

6 Fridays

9 a.m. – noon

Design Studio

Derek Norman, artist and director,
Midwest Center for Botanical Documentation
\$312 nonmember; members receive 20% discount

This class is designed for those who have a desire to draw and are convinced they can't. Learn the fundamental principles of putting pencil to paper by developing a basic pencil-line technique. Understand how to establish shape, form, depth, and dimension, as well as proportions and perspective! This class is also recommended for beginning horticultural students.

New! Botanical Art: Learning How to Draw with Colored Pencil

January 18 – March 1
(no class February 22)

6 Fridays

1 – 4 p.m.

Design Studio

Derek Norman, artist and director,
Midwest Center for Botanical Documentation
\$312 nonmember; members receive 20% discount

This class is a continuation of the “Learning to...” classes that are designed for all those who wish to further their drawing skills while gaining an understanding of color. Students will learn the basics of color application through a step-by-step approach designed to teach the rudiments of color along with sound drawing technique. The class will also cover how to create form, depth, and dimension, and a basic understanding of blending colors. Each student will learn how to draw live plants in full color. The results will surprise and delight you.

Adult Education Free
Information Session,
Monday, March 4, 6 – 8 p.m.
Call (847) 835-8261 to
register.



Botanical Arts classes allow students to explore and improve their techniques.

Beginning Flower-Arranging in Vases

February 12– 26

3 Tuesdays

6:30 – 8:30 p.m.

Plant Science Lab, Regenstein Center

Nancy Clifton, program specialist,
Chicago Botanic Garden
\$180 nonmember; members receive 20% discount

Learn some of the tricks of the trade for arranging fresh flowers in vases. You will start with a contemporary vase arrangement the first week, how to arrange a dozen roses on week two, and finish the series with a traditional mixed bouquet. Please bring a floral pruner and a tall, slim box for transporting your completed projects. All other materials are provided.

New! Stories from the Rare Book Collection

February 16

Saturday

10 – 11 a.m.

Linnaeus Room

Ed Valauskas, rare book curator, Lenhardt Library,
Chicago Botanic Garden
\$19 nonmember; members receive 20% discount

Did a book save California's redwoods? Was there an orchid maniac more passionate than Nero Wolfe? Who was the Renaissance physician who discovered a supernova? And his mentor, an alchemist, who burned books? Learn more in this one-hour session, which will include many rare books and their stories from the Lenhardt Library.

Beginning Watercolor

March 7 – April 11

6 Thursdays

1 – 3:30 p.m.

Design Studio

Patsy Welch, artist and educator
\$237 nonmember; members receive 20% discount

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.

Treewhispers: Handmade Paper Art Workshop

March 8

Friday

10 a.m. – 4 p.m.

Plant Science Lab, Regenstein Center

Pamela Paulsrud, artist and creator of Treewhispers
\$125 nonmember; members receive 20% discount

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

Tile Garden Marker Workshop

March 14

Thursday

10 a.m. – noon

Annex 1

Janet Austin, artist
\$124 nonmember; members receive 20% discount

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

Japanese Ink Painting

March 20 – April 24

6 Wednesdays

6:30 – 8:30 p.m.

Annex 2

Kay Thomas, artist
\$187 nonmember; members receive 20% discount

Sumi-e, the ancient art of Japanese ink painting, required 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.

Pop-Up Flowers of the Midwest: Beginners

April 5
Friday
9 a.m. – 4 p.m.
Linnaeus Room

Shawn Sheehy, pop-up engineer and author
\$125 nonmember; members receive 20% discount

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

Pop-Up Flowers of the Midwest: Intermediate

April 12
Friday
9 a.m. – 4 p.m.
Linnaeus Room

Shawn Sheehy, pop-up engineer and author
\$125 nonmember; members receive 20% discount

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

Garden Mosaic Tile Stepping Stone

April 11
Thursday
10 a.m. – 3:30 p.m.
Annex 1

Janet Austin, artist
\$124 nonmember; members receive 20% discount

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

Classes are subject to change.
For the most current listings visit
www.chicagobotanic.org/school.



Artichoke, by Pepper Werner.
From beginner to advanced, all levels are welcome in the Botanical Art certificate program.

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

May 4 – June 8
6 Saturdays
1 – 4 p.m.

Brushwood House, Ryerson Woods, Deerfield, IL
Derek Norman, artist and director,
Midwest Center for Botanical Documentation
\$312 nonmember; members receive 20% discount

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

BOTANICAL ARTS CERTIFICATE PROGRAM

New! Drawing Skills 2 Through Dry and Wet Colored Pencil

November 5 – 26
4 Mondays
6 – 9 p.m.

Design Studio
Priscilla Humay, artist and educator
\$174 nonmember; members receive 20% discount

ART elective

This workshop will help to further develop drawing skills. Focus is on perspective, proportion, line, and foreshortening through extensive color exploration of value, intensity and temperature. Draw from real life using the dry and wet colored pencil media. Learn grisaille, hatching, washes, layering, and color-mixing techniques while you strengthen your drawing proficiency. The School's CEUs= 1.2

New! Expressive Watercolor Workshop

December 1 & 2
Saturday & Sunday
9 – 4 p.m.

Design Studio
Thomas Trausch, artist, TWSA master status
\$162 nonmember; members receive 20% discount

ART elective

In this two-day workshop, we will explore the fluid beauty of the watercolor medium. Following a demonstration each morning (in the classroom and Greenhouse), we will work from a looser to a tighter application; from a wet-into-wet beginning to a more controlled "found" finish. There will be a strong emphasis on values and design. The School's CEUs= 1.2

Botanical Drawing 1

January 12 – March 2
8 Saturdays
9 a.m. – noon

Design Studio
Marlene Hill Donnelly, scientific illustrator,
The Field Museum
\$349 nonmember; members receive 20% discount

ART requirement

Strong drawing is the cornerstone of botanical art. In this class we will work in pencil covering the fundamentals of proportions, line, tone, dimensionality, and expression. We will work from live specimens, flowers, seeds, and fruit to learn to draw plants accurately and beautifully.

Botanical Drawing 3

January 15 – February 19

6 Tuesdays

6 – 9 p.m.

Design Studio

Marlene Hill Donnelly, scientific illustrator,
Field Museum

\$287 nonmember; members receive 20% discount

ART requirement

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

Drawing in the Greenhouse Color Pencil Workshop

January 20 – February 3

3 Sundays

9:30 a.m. – 2 p.m.

Plant Science Lab, Regenstein Center

Priscilla Humay, artist and educator

\$174 nonmember; members receive 20% discount

ART elective

Each session includes classroom instruction in the class and drawing from observation in the Greenhouses. There will be an open Art Talk during lunch. Focus on color, composition, and perspective. Learn various methods of grisaille, layering, hatching, and strokes as you integrate line, value, temperature, contrast, modulation, and shadow. Reference material is provided. Demonstration of techniques and one-on-one guidance is given to each student. Discussions and critiques are given at the end of each session. The School's CEUs= 1.35

Color Explorations in Nature

February 7 – March 14

6 Thursdays

6 – 9 p.m.

Plant Science Lab, Regenstein Center

Nina Weiss, artist and teacher

\$199 nonmember; members receive 20% discount

ART elective

In this class a creative approach to studying and depicting color in nature will be explored. Elements of landscape, botanicals, close-up studies and vistas will be incorporated to teach students about color theory and technique. Blending, layering, washes, hatching, and optical mixing of color will be used to create dimensional and lush drawings. Students will work from both still-life materials and photographic reference. We will use wet and dry application of ink and colored pencils to create washes, under painting, and linear surfaces. A review of color and light will aid students in building effective drawings. The School's CEUs= 1.8

New! Expressive Watercolor

March 2 – April 6

6 Saturdays

1 – 4 p.m.

Design Studio

Thomas Trausch, artist, TWSA master status

\$287 nonmember; members receive 20% discount

ART requirement, expressive track

Explore the fluid beauty of the watercolor medium. Each session will progress to a more controlled "found" finish. There will be a strong emphasis on values and design.

Color Mixing

March 5 – April 9

6 Tuesdays

6 – 9 p.m.

Design Studio

Marlene Hill Donnelly, scientific illustrator,

The Field Museum

\$287 nonmember; members receive 20% discount

ART requirement

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

Botanical Drawing 2

March 10 – April 28

(no class March 31, April 21)

6 Sundays

9:30 a.m. – 12:30 p.m.

Design Studio

Marlene Hill Donnelly, scientific illustrator,

The Field Museum

\$287 nonmember; members receive 20% discount

ART requirement

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

Tulip Mania! Marilyn Garber Watercolor Workshop

Visiting Artist

April 12 – 14

Friday – Sunday

9 a.m. – 4 p.m.

Design Studio

Marilyn Garber, artist and educator,

Minnesota School of Botanical Art at

The Bakken Museum in Minneapolis

\$449 nonmember; members receive 20% discount

ART elective

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

Color Mixing 2

4 Tuesdays

April 16 – May 7

6 – 9 p.m.

Design Studio

Marlene Hill Donnelly, scientific illustrator,

The Field Museum

\$187 nonmember; members receive 20% discount

ART elective

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

Photography

New! Capturing the Holiday Lights

Evening Photography Workshop

December 3

Monday

6:30 – 9 p.m.

Design Studio

Jack Carlson, certified professional photographer

\$49 nonmember; members receive 20% discount

December nights are perfect for making the Garden's outdoor holiday lights come alive. Learn how to use your camera to capture these magical displays in this exciting new workshop. We will begin with a review of camera settings and image framing concepts, then proceed outside to photograph all the festive color in the Heritage Garden, the Esplanade, and the Great Tree. Back in the studio, we will review and discuss those newly-captured images. Learn how to transform your perfect photo into holiday greeting cards. Class limited to digital cameras only. A tripod is very strongly recommended and shutter release most helpful.

FOCUS ON PHOTOGRAPHY CERTIFICATE PROGRAMS (FPC)

Beginning Digital Photography

November 6 – 27

4 Tuesdays

2 – 4 p.m.

Design Studio

Jenn Gaudreau, professional photographer

or

January 12 – February 2

4 Saturdays

1 – 3 p.m.

Design Studio

Jack Carlson, certified professional photographer

\$150 nonmember; members receive 20% discount

FPC requirement

This course will help beginners and enthusiasts grasp the techniques and principles of photography. Participants will explore the basics of photography. By the end of class, participants will be confident in using their camera's manual settings. Course requires a digital SLR camera. No previous experience is required.

Abstracts in Nature —Winter

November 12 – December 17

6 Mondays

10 a.m. – noon

Design Studio

Dianne Kittle, fine art photographer

\$212 nonmember; members receive 20% discount

FPC elective

In this advanced class, students will focus on winter abstracts, including water changes, to create fine art photographs. We will capture the Garden as the freeze of winter encroaches on the landscape. Students will learn the program Blurb to design a photography book for presentation of their winter portfolio. Class will include lecture, critique, water photography demonstrations, and practice time in the Garden. The School's CEUs = 1.2

Lighting Techniques 1

January 16 – February 6

4 Wednesdays

6:30 – 8:30 p.m.

Annex 2

Robin Carlson, staff photographer,

Chicago Botanic Garden

\$150 nonmember; members receive 20% discount

FPC elective

This introduction to techniques for using and manipulating light begins with a study of color temperature. Through technical exercises and demonstrations, this class will explore working with a variety of light sources and filters, both indoors and out. It will cover how to work in studio with hot lights, and lighting setups for still lifes, botanical arrangements, and portraits. The School's CEUs = 0.8

Lighting Techniques 2

February 13 – March 6

4 Wednesdays

6:30 – 8:30 p.m.

Annex 2

Robin Carlson, staff photographer,

Chicago Botanic Garden

\$150 nonmember; members receive 20% discount

FPC elective

This continuation class explores the techniques of lighting with flash and strobe sources. Beginning with simple on-camera techniques, the class will cover capturing motion with flash, off-camera syncing, light painting, and much more. Prerequisite: Lighting Techniques 1. The School's CEUs = 0.8

Winter Photography

January 13 – 27

3 Sundays

1 – 4 p.m.

Design Studio

Jack Carlson, certified professional photographer

\$162 nonmember; members receive 20% discount

FPC elective

Winter is one of the best times to photograph gardens and nature. Learning to see the "bones" of a garden will improve your photographic skills in any season. Learn about exposure, lighting, and adjustments for color, as well as composition. A tripod is recommended. Dress for the weather. The School's CEUs = 0.9

Basics of Editing – Photoshop I

January 14 – February 4

4 Mondays

1 – 3:30 p.m.

Design Studio

Iris Allen, freelance photographer and instructor

\$187 nonmember; members receive 20% discount

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.

Adult Education Free

Information Session,

Monday, March 4, 6 – 8 p.m.

Call (847) 835-8261 to register.

Basics of Editing – Lightroom I

January 16 – February 6

4 Wednesdays

9:30 a.m. – noon

Design Studio

Sarah Postma, professional photographer

\$187 nonmember; members receive 20% discount

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. 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.

Basics of Editing – Lightroom 2

January 16 – February 6

4 Wednesdays

1 – 3:30 p.m.

Design Studio

Sarah Postma, professional photographer

\$187 nonmember; members receive 20% discount

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 = 1.0

Basics of Editing – Photoshop 2

January 17 – February 7

4 Thursdays

1 – 3:30 p.m.

Design Studio

Iris Allen, freelance photographer and instructor

\$187 nonmember; members receive 20% discount

FPC elective

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

Wellness & Fitness

Aromatherapy for Colds Workshop

November 17
Saturday
10 a.m. – noon
Annex 2

Etsuko Kobira Rutz, IFA Aromatherapist, LMT, BSc
\$75 nonmember; members receive 20% discount

Did you know that aromatherapy can help prevent colds or speed your recovery from a cold? We will learn about therapeutic essential oils that can be used as self-care to maintain your well-being this winter. We will also make two sample-sized take-home projects during the workshop: a perfume and mouthwash that both use appropriate and safe essential oils to help prevent catching a cold this winter! All materials are provided.

New! Practical Aromatherapy Level 1

January 12 – February 16 (no class February 2)
5 Saturdays
10 a.m. – noon

Seminar Room, Plant Science Center

Etsuko Kobira Rutz, IFA aromatherapist, LMT, B.S.
\$324 nonmember; members receive 20% discount

This course is designed to provide an introduction to aromatherapy to maintain your own well-being and the well-being of your loved ones. Learn about the basics of aromatherapy theory, and about 15 different essential oils. Make an aromatherapy project in each class (bath salt, body cream, toner, etc.). Learn how to create your own personal blend of essential oils. Most importantly, this class will enable you to use the essential oils studied in class safely and effectively at home.

New! Winter Meditation Walk

January 26
Saturday
10 a.m. – noon

Meet at Visitor Center

Mary Ann Spina, teacher, writer, and counselor
\$25 nonmember; members receive 20% discount

In winter, the Garden is dormant and quiet. If there is snow, it can be beautiful and hushed. Walk and clear your mind in the cold, crisp air. We will meditate while we walk, striving to stay in the present moment in order to practice going with the flow of life, with its ups and downs. This mediation will begin at the Visitor Center and be led by Mary Ann Spina. Men and women welcome.

The Garden is an ideal place to practice tai chi.

Treewhispers: Awakening Your Heartfelt Connection to Trees

March 7
Thursday
9 a.m. – noon
Linnaeus Room

Pamela Paulsrud, artist and creator of *Treewhispers*
\$59 nonmember; members receive 20% discount

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

FITNESS WALKS

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

Sat., April 6 – Nov., 16, 8 – 9 a.m.
Meet in Visitor Center

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

# of Sessions	Nonmember Fee
4 Sessions	\$63 nonmember
8 Sessions	\$119 nonmember
12 Sessions	\$166 nonmember
16 Sessions	\$199 nonmember
30 Sessions	\$337 nonmember
Drop-in Rate	\$15

YOGA

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

Gentle Yoga

Winter session: January 7 – March 11
Spring session: April 1 – June 10 (no class April 15)
10 Mondays

9 – 10:15 a.m. or 5:15 – 6:30 p.m.

Garden View Room

Steve Nakon, director, and Patricia Nakon, co-director, Whole Journey Northwest Yoga
\$170 nonmember; members receive 20% discount

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.

Introductory Yoga

Winter session: January 9 – March 13
Spring session: April 3 – June 12 (no class April 17)
10 Wednesdays

5:15 – 6:30 p.m. or 7 – 8:15 p.m.

Garden View Room

Steve Nakon, director, Whole Journey Northwest Yoga
\$170 nonmember; members receive 20% discount

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.



Yoga Flow Beginner

Winter session: January 8 – March 12
 Spring session: April 2 – June 11 (no class April 16)
 10 Tuesdays
 9:15 – 10:30 a.m. or 6 – 7:15 p.m.
 Garden View Room
 Steve Nakon, director, Whole Journey Northwest Yoga
 \$170 nonmember; members receive 20% discount

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

Yoga Flow Intermediate

Winter session: January 8 – March 12
 Spring session: April 2 – June 11 (no class April 18)
 10 Tuesdays
 8 – 9:15 a.m.

or
 Winter session: January 10 – March 14
 Spring session: April 4 – June 13 (no class April 18)
 10 Thursdays
 9 – 10:15 a.m. or 6 – 7:15 p.m.
 Garden View Room
 Steve Nakon, director, Whole Journey Northwest Yoga
 \$170 nonmember; members receive 20% discount

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

Gentle Yoga and Meditation

Spring session: April 3 – June 12 (no class April 17)
 10 Wednesdays
 9:15 – 10:30 a.m.
 Linnaeus Room
 Steve Nakon, director, Whole Journey Northwest Yoga
 \$170 nonmember; members receive 20% discount

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.

TAI CHI

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. One-time class trial fee: \$20. On occasion, when weather permits, class will occur outdoors in one of the beautiful areas of the Chicago Botanic Garden.

Tai Chi 101

Winter mini-session: January 30 – February 27
 5 Wednesdays
 8 – 9 a.m.
 \$87 nonmember; members receive 20% discount and/or
 Spring session: March 13 – May 22 (no class April 17)
 10 Wednesdays
 8 – 9 a.m.
 Burnstein Hall
 Gordon Lock, instructor
 \$165 nonmember; members receive 20% discount

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

Tai Chi: Traditional Yang-Style Long Form

Winter mini-session: January 30 – February 27
 5 Wednesdays
 9:15 – 10:15 a.m.
 \$87 nonmember; members receive 20% discount and/or
 Spring session: March 13 – May 22 (no class April 17)
 10 Wednesdays
 9:15 – 10:15 a.m.
 Burnstein Hall
 Gordon Lock, instructor
 \$165 nonmember; members receive 20% discount

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

Tai Chi: Traditional Sun-Style Long Form

Winter mini-session: January 31 – February 28
 5 Thursdays
 8 – 9 a.m.
 \$87 nonmember; members receive 20% discount and/or
 Spring session: March 14 – May 23 (no class April 18)
 10 Thursdays
 8 – 9 a.m.
 Burnstein Hall
 Gordon Lock, instructor
 \$165 nonmember; members receive 20% discount

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

Simplified Yang-Style Tai Chi Chuan (24)

Winter mini session: January 31 – February 28
 5 Thursdays
 9:15 – 10:15 a.m.
 \$87 nonmember; members receive 20% discount and/or
 Spring session: March 14 – May 23 (no class April 18)
 10 Thursdays
 9:15 – 10:15 a.m.
 Burnstein Hall
 Gordon Lock, instructor
 \$165 nonmember; members receive 20% discount

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

Visit www.chicagobotanic.org/school/faculty for faculty biographies.

Adult Education Free Information Session, Monday, March 4, 6 – 8 p.m. Call (847) 835-8261 to register.



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.

One Day at a Time: New Winter Break Option for Families

The twinkling lights, the promise of holiday gifts, hot cocoa, no school...how could winter break possibly get better? Winter Break Camp at the Chicago Botanic Garden! Happy campers investigate weather, learn how plants and animals adapt to the cold, visit Wonderland Express (January 3), experience Japanese language and culture, study snow, and play outside. Each day offers a different adventure, and for the first time, parents have the flexibility to sign up by the day. Our Do North partner, Writers' Theatre, will join the fun on January 3.

Planning to attend the whole week? Be sure to register early to ensure a spot. Winter Break Camp is December 27 and 28 and January 2 through 4, 9:30 a.m. to 3 p.m., and is open to children ages 5 to 8. The daily fee is \$69 per child. Garden Plus members receive a 20 percent discount.

Registration can be completed online at www.chicagobotanic.org/winterbreakcamp no later than December 17.

Dress for the weather! Winter Break Camp gives campers a chance to explore the great outdoors.



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 Discovery Backpacks, available on a first-come, first-served basis at the Information Desk in the Visitor Center.

Story Time

Mondays, January 14 – May 20
10 – 11 a.m.

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

Visit www.chicagobotanic.org/familyprograms/dropin for more information.

Tu B'Shevat Family Activities

Sunday, January 27
1 – 4 p.m.

Celebrate the Jewish festival of trees! Families can explore trees in the Greenhouses, enjoy a reading corner with books about trees, and take a plant home. These activities are provided by the National Council of Jewish Women, Chicago North Shore Section.

Visit www.chicagobotanic.org/familyprograms/dropin for more information.

Fee-based Programs

Little Diggers

Thursdays: 1/10, 2/14, 3/14, 4/11
Fridays: 1/11, 2/15, 3/15, 4/12
Saturdays: 1/12, 2/16, 3/16, 4/13
9:30 – 10:30 a.m.

\$70 nonmember per child
Garden Plus members receive a 20 percent discount.

Learn about flowers, discover animals, experience the changing seasons, and more! These four-class series for children ages 2 to 4 and caregivers meet mornings, once a month. Each program includes group activities, time for free play, and a planting project. Select Thursday, Friday, or Saturday mornings, September through December.

Visit www.chicagobotanic.org/littlediggers to register, or call (847) 835-6801 for more information.

Weekend Family Classes

9:30 – 11 a.m. or 1 – 2:30 p.m.
\$22 nonmember per child
Garden Plus members receive a 20 percent discount.

Together, adults and children ages 4 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.

New! Three Sisters
Saturday, November 3

Hear the story of the Three Sisters (corn, bean, and squash), create a delicious dried bean soup jar to enjoy at home, investigate why popcorn pops and taste the results!

Beautiful Birds
Sunday, November 11

Birds and plants share a habitat. Discover where different birds live, learn what they eat, and create different kinds of bird feeders using plants.

Joyful Gingerbread
Saturday, December 1, or Sunday, December 16

Explore all the different plants and plant parts needed to make gingerbread. Take home a future ginger plant, decorate cookies, and mix up a batch of gingerbread to bake at home.

Papermaking with Plants
Saturday, January 19

Plants help make products we use every day—like paper. Learn the process of turning plants and old paper scraps into paper. Make sheets of textured, scented, and colored handmade paper.

Gumballs & Superballs
Sunday, January 27

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.

HOT Chocolate
Saturday, February 9

Examine the cacao tree, learn how bitter beans make delicious desserts, mix up an ancient Aztec chocolate, and take home chocolate mint and chocolate pepper plants.

New! Rainbow Garden
Sunday, February 17

Rainbow gardens inspire artwork and attract colorful friends. Dissect a seed, design colorful seed art, and create two brightly hued pollinators to remind you that spring is just around the corner!

Homemade Ice Cream
Sunday, March 3, or Saturday, March 23

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

Insect Investigations
Saturday, April 6, or Sunday, April 14

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

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

Learn about animals and plants during hands-on activities in Little Diggers.



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 www.chicagobotanic.org/birthdays or call (847) 835-8275 for more information.

Youth

Scouts

Scout Badge Programs

\$10/student for 90-minute programs (ages 6 – 8)

\$15/student for 2-hour programs (ages 9 – 12)

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

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

Scout Seasonal Workshop: Winter Wonders

Saturday, December 15

12:45 – 3 p.m.

\$12 per child

Scouts can discover the magic of nature in winter through hands-on activities that combine art and science. Participants will take a winter wildlife hike through the Garden and make a fragrant evergreen swag and a beeswax candle.

Adults should plan to stay with their Scouts for the duration of the program. At least one adult chaperone for every five Scouts is required.

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

Scout Seasonal Workshop: Valentine's Day

Saturday, February 9

12:45 – 3 p.m.

\$12 per child

Join fellow Scouts to celebrate Valentine's Day. Scouts will make recycled valentines and check out the tree that provides cacao, the main ingredient in chocolate!

Adults should plan to stay with their Scouts for the duration of the program. At least one adult chaperone for every five Scouts is required.

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

Children ages 5 to 8 have fun indoors and outside during Spring Break Camp.

Break Camps

Winter Break Camp

December 27, 28, January 2, 3, 4

9:30 a.m. – 3 p.m.

\$69 nonmember per child per day

Garden Plus members receive a 20 percent discount.

Children ages 5 to 8 can engage in exciting hands-on indoor and outdoor activities while discovering the Garden in winter. They'll investigate weather, explore seasonal adaptations of plants and animals, and enjoy a visit to our Wonderland Express holiday exhibition.

December 27: Winter Weather & Animals

December 28: A Visit to Japan

January 2: Everything Snow!

January 3: All Aboard! with Writers' Theatre

January 4: Plant Packages

Visit www.chicagobotanic.org/winterbreakcamp to register or call (847) 835-6801 for more information.

Spring Break Camp

March 25 – 29, 2013

9:30 a.m. – 3 p.m.

\$69 nonmember per child per day

Garden Plus members receive a 20 percent discount.

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

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



Camp CBG

New! My First Camp Bloomin' Garden Strollers

Ages 6 months – 2 years

\$25 nonmember per child per week

Garden Plus members receive a 20 percent discount.

9:45 – 11:15 a.m. Friday

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

My First Camps

New format and pricing for our youngest campers!

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

My First Camp Age 2

Age 2

Born on or before September 1, 2011

\$40 nonmember per child per week

Garden Plus members receive a 20 percent discount.

My First Camp Age 2 information

- Camp meets one Tuesday and Thursday from 9 to 10 a.m. or 10:30 to 11:30 a.m.
- An adult must accompany each registered child.
- To make camp enjoyable and fair to all, do not bring unregistered children, including siblings, to camp. Nursing mothers may call (847) 835-8361 to make arrangements.
- Camp meets in the Grunsfeld Children's Growing Garden, weather permitting. In the event of rain, camp will take place in the Learning Center.
- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.

Art & Music

July 16 & 18 or
August 13 & 15

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

Fantastic Foods

July 9 & 11 or
August 6 & 8

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

My First Garden

June 18 & 20 or
July 23 & 25

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

Small Scientists

June 25 & 27 or
July 30 & August 1

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

My First Camp Age 3

Age 3

Born on or before September 1, 2010

\$60 nonmember per child per week

Garden Plus members receive a 20 percent discount.

My First Camp Age 3 information

- Camp meets one Monday, Wednesday, and Friday from 9 to 10 a.m. or 10:30 to 11:30 a.m.
- An adult must accompany each registered child.
- To make camp enjoyable and fair to all, do not bring unregistered children, including siblings, to camp. Nursing mothers may call (847) 835-8361 to make arrangements.
- Camp meets in the Grunsfeld Children's Growing Garden, weather permitting. In the event of rain, camp will take place in the Learning Center.
- Dress for the weather.
- Pack a water bottle and peanut-free snack daily.

Art & Music

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

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

Fantastic Foods

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

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

My First Garden

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

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

Small Scientists

June 24, 26, 28 or
July 29, 31, August 2

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

Grades JK-K

\$205 nonmember per child per camp

Garden Plus members receive a 20 percent discount.

Green Sprouts information

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

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

Bug Brigade

June 24 – 28, 9:30 a.m. – noon or
July 22 – 26, 9:30 a.m. – noon or
August 5 – 9, 12:30 – 3 p.m.

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

Fun with Physics

July 15 – 19, 9:30 a.m. – noon or
August 12 – 16, 9:30 a.m. – noon

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

Garden Expedition

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

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

Habitat Hunters

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

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

Grades 1-2

Hidden Treasures

June 17 – 21, 9:30 a.m. – noon or
July 8 – 12, 12:30 – 3 p.m. or
August 12 – 16, 9:30 a.m. – noon

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

Mad Scientists

June 17 – 21, 9:30 a.m. – noon or
July 22 – 26, 9:30 a.m. – noon or
July 29 – August 2, 12:30 – 3 p.m.

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

Nature Art

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

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

Salad Science

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

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

Sprouting Wizards

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

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

Super Seedlings

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

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

Green Thumbs

Most children are 6 or 7.

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

Green Thumbs information

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

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

Art in the Garden

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

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

Incredible Edibles

July 15 – 19, 9:30 a.m. – noon

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

Kinetic Kids

July 15 – 19, 12:30 – 3 p.m.

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

Treasure Hunt

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

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

Expert Wizardry

June 24 – 28, 9:30 a.m. – 3 p.m.

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

Explore Your World

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

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

Plant People

July 8 – 12, 12:30 – 3 p.m.

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

Grossology

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

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

Wildlife Wanderers

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

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

Insect Investigation

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

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





Explorers

Most children are 8 or 9.

Grades **3-4**

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

Explorers information

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

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

Alfresco Art

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

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

Botany in the Kitchen

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

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

Camera Craft

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

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

Dirty Jobs

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

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

Forensic Investigators

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

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

Garden Caching

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

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

Konnichiwa Japan

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

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

Surviving Outdoors

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

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

Adventurers

Most children are ages 10 to 12.

Grades **5-7**

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

Adventurers information

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

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

Art

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

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

Chemistry

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

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

Cuisine

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

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

Ecology

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

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

Visit www.chicagobotanic.org/camp for complete program descriptions and information on availability.

New! Two-Week, Full-Day Camps

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

Green Thumbs

Most children are 6 or 7.

\$840 nonmember per child per camp
Garden Plus members receive a 20 percent discount.

Create & Grow

June 17 – 28 or
July 22 – August 2
9:30 a.m. – 3 p.m.

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

Science Trekkers

July 8 – 19 or
August 5 – 16
9:30 a.m. – 3 p.m.

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

Explorers

Most children are 8 or 9.

\$840 nonmember per child per camp
Garden Plus members receive a 20 percent discount.

Artist-in-Residence

June 17 – 28 or
July 22 – August 2
9:30 a.m. – 3 p.m.

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

Science Explorer

July 8 – 19 or
August 5 – 16
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 equal a whole lot of fun in this exciting two-week camp.

Campers can now learn as they have fun in the new Grunsfeld Children's Growing Garden.

New for 2013! 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, will be available on the Camp CBG webpage in December.

Grades preK to 7

June 17 – August 16

Morning Care: 8 – 9:30 a.m.; \$45 per week per camper

Afternoon Care: 3 – 5 p.m.; \$60 per week per camper

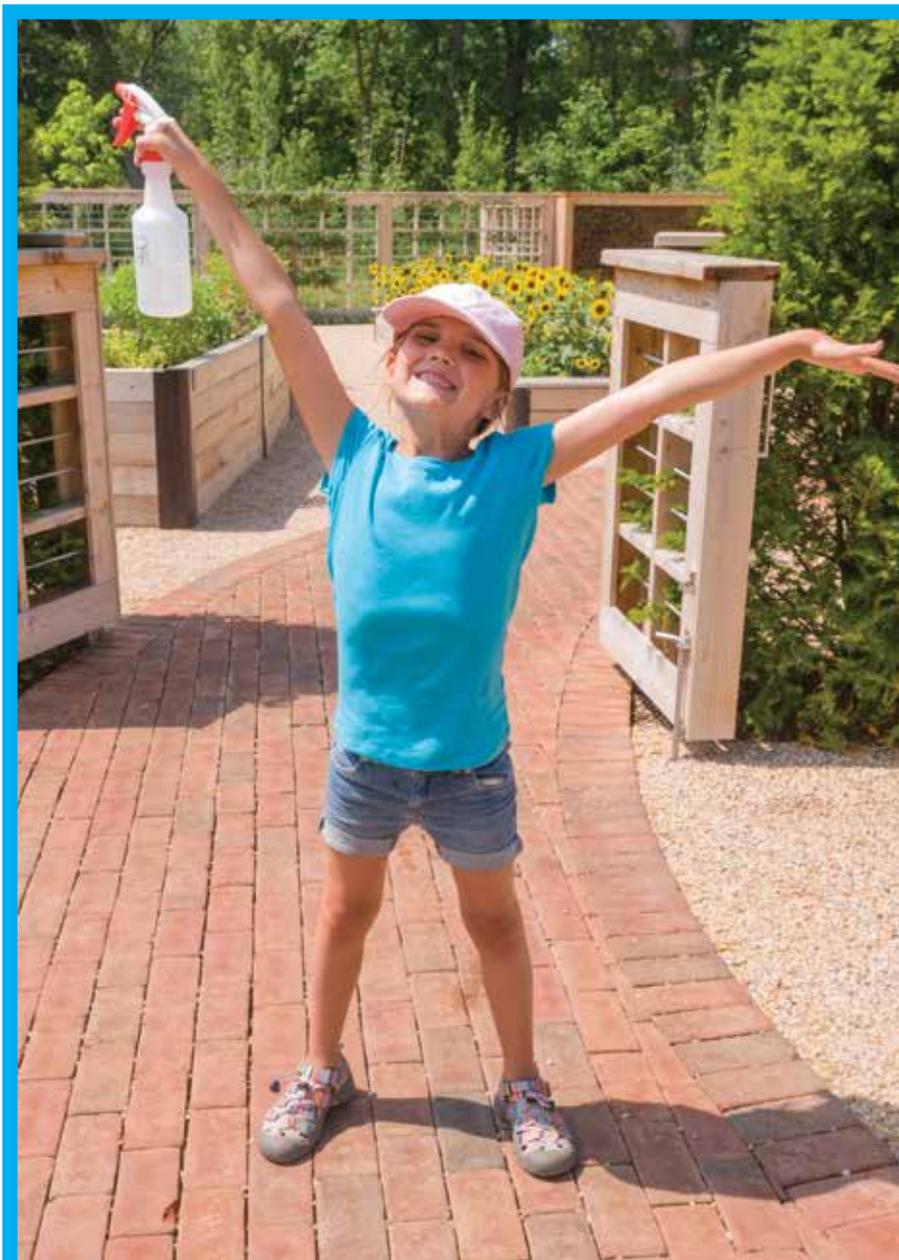
Lunch

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

Leaders 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 benefit 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 registration and cancellation policies

Registration Deadline

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

Membership

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

Age Limits

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

Online Emergency Forms

Camp CBG does not require a medical examination to attend camp; however, we ask that you fill out our Online Emergency Form as soon as you complete your online registration. **In order for your child to attend camp, we must have a completed health form on file by June 1, 2013.** The form is available on our webpage at www.chicagobotanic.org/camp.

Extra-Special Attention

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

Visit www.chicagobotanic.org/camp for complete program descriptions and information on availability.

Pick-Up/Drop-Off

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

Morning drop-off is 9:15 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.

Please Do Not Bring To Camp

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

Camper Code Of Conduct

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

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

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

Cancellation Policy

You may cancel your child's Camp CBG registration up to two weeks before the first day of that camp. We are not able to give refunds for cancellations with less than two weeks' notice. Transfers will be granted up to one week before the start of a camp. A 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.

In My First Garden, preschoolers water and care for plants—and taste the bounty of the Garden's vegetables.



Camp CBG Schedule

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



Teacher and Student Programs

The Garden is a living laboratory, an ideal setting for learning about plants, ecology, conservation, and the natural world. From school field trips to teacher workshops and student internships, educators and students encounter fresh ideas, innovative teaching techniques, and meaningful science content that support Illinois learning standards.

Interest is growing in school gardens! Learn from experts and peers how to start a garden and make it a lively part of your curriculum.

Looking for creative problem solving and solutions to establish, maintain, and fund a school garden? Want to discover great ideas on how to use your garden to meet new Common Core standards and get students excited about science? Join us on Saturday, June 29, 2013, for a day of inspiration and “best practice” as we showcase school garden projects that are beautiful, enriching, and grounded in education. Take home some great ideas for using the garden to teach students about science and nature. Enjoy garden tours. Uncover grant resources and learn from the experiences of seasoned school gardeners. A networking forum provides opportunity to talk to other educators who share a passion for and experience with school gardening.

PreK through grade 12 educators can earn six CPDUs, graduate credit, and/or Chicago Public School Lane credit. Register now by calling (847) 835-8253, e-mailing rammann@chicagobotanic.org or visiting www.chicagobotanic.org/ctl/teacherprograms.

Think summer! Teachers get inspired at Garden classes and symposia.



Teacher Professional Development

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

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

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

Winter 2013

Exploring Desert Ecosystems

December 1 at the Chicago Botanic Garden
December 8 at Brookfield Zoo
Saturday

\$150 (20 percent discount for Educator Members)

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

Why are deserts important? Why should we protect them? Explore the amazing adaptations of desert plants at the Garden's Greenhouses and desert animals at the Brookfield Zoo. Learn about the ecology and importance of deserts through hands-on activities that support interdisciplinary instruction.

Teas, Sweets, and Tropical Treats: Science and Culture of Edible Plants

January 26 at the Garfield Park Conservatory
February 2 at the Chicago Botanic Garden
Saturday

\$150 (20 percent discount for Educator Members)

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

Discover firsthand how flavorful plants like chocolate, vanilla, and ginger grow. Learn how people use them to enhance their lives and tickle their taste buds. Explore both institutions' plant collections, enjoy hands-on activities, and make literary connections for the classroom.

School Gardening Basics

February 16 at Openlands
February 23 at the Chicago Botanic Garden
Saturday

\$150 (20 percent discount for Educator Members)

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

Gain the resources to successfully plan and implement a schoolyard garden. Learn the basics of building a garden team, choosing your garden theme, understanding garden design, soil tests, and base maps through this two-day workshop.

New! Fostering Early Childhood Inquiry

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

\$150 (20 percent discount for Educator Members)

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

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

Spring 2013

New! Edible Science

April 20 & 27 at the Chicago Botanic Garden
Saturday

\$150 (20 percent discount for Educator Members)

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

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

Form and Function

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

\$150 (20 percent discount for Educator Members)

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

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

Other Teacher Programs

Custom Workshops

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

Green Teacher Network

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

Gardening Courses

Windy City Harvest offers half-day and full-day workshops on growing plants indoors and outside. It's a great way to improve your school gardening skills.

Free Classroom Resource Kits for Loan

The Regenstein School offers a variety of resource kits of learning materials for educators to use in the classroom. Borrowing a kit requires a \$50 deposit, which is refunded upon the return of the complete kit. For kit availability and/or to arrange for kit pickup call (847) 835-8253.

Prepare your students for a future engaged in science with the Garden's professional development programs.



Student Field Trips

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

New! The Grunsfeld Children's Growing Garden, located on the Learning Campus, is now open and used for guided programs. Self-guided groups may visit the Children's Growing Garden after all programs are finished using the space.

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 Programs for Children with Special Needs K – 12

Monday through Friday

\$120 (includes all materials)

Maximum number of children: 15

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

Self-Guided Field Trips

Year-round

Monday through Friday

9 a.m. – 4:30 p.m.

**\$30 per classroom (maximum 30 students);
no additional parking fee required**

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

Self-Guided Activity Backpacks

Year-round

Monday through Friday

\$10 per class

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

Visit www.chicagobotanic.org/ctl/fieldtrips/selfguide for more information.

Outreach Programs

November 26 – December 14, 2012

January 28 – April 5, 2013

Tuesday and Thursday

\$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.

Enrich your curriculum and have the Chicago Botanic Garden come to you! Choose from a variety of programs that feature plant topics appropriate for specific grade levels. All programs support Illinois Science Standards. Each program includes a planting for each student and plants brought from the Garden to study.

Visit www.chicagobotanic.org/ctl/outreach for more information.

Guided Field Trips

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

Guided programs are led by trained facilitators 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. Visit www.chicagobotanic.org/ctl/fieldtrips for more detailed grade-specific program descriptions, applicable state standards, and to schedule your visit.

Guided Programs PreK

\$120 per class of up to 25 students

Available 10 – 11 a.m. or 10:30 – 11:30 a.m.

A 1:5 ratio of chaperones to students is required.

Discovering Plants

Early Fall, Late Fall, Winter, Spring

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

Field trips allow students to explore the Garden up close.



School Field Trips at a Glance

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

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

Holiday

Explore the enchanting Wonderland Express exhibition and learn more about evergreen tree families and their special adaptations to change in the seasons. Students will take home a special holiday craft.

Guided Programs K – 2

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

Surprising Seeds

Early Fall, Late Fall, Holiday, and Winter

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

Sansho-En

Winter

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

Spring Garden Explorers

Spring

Discovery stations around the Learning Campus make your visit an exciting outdoor experience involving plants and creatures living in the Garden and in our lakes. Design and plant a garden bed in the new Grunfeld Children's Growing Garden, explore shoreline ecosystems in the new Kleinman Family Cove, and pot a plant to take home.

Guided Programs 3 – 5

\$120 per class of up to 30 students
Available Monday through Friday, 10 a.m. – noon
A 1:7 ratio of chaperones to students is required.

Flower Lab

Early Fall, Late Fall, Holiday, and Winter

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

Forest Fundamentals

Early Fall and Late Fall

Students find evidence of food chains and food webs throughout the woodlands, and learn about common woodland trees. They record their observations in a field journal. Woodland programs take place outdoors in McDonald Woods. **Available Monday through Friday, 10 – 11:30 a.m.**

Plant Propagation

Winter

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

Spring Garden Explorers

Spring

Discovery stations around the Learning Campus make your visit an exciting outdoor experience involving plants and creatures living in the Garden and in our lakes. Design and plant a garden bed in the new Grunfeld Children's Growing Garden, explore shoreline ecosystems in the new Kleinman Family Cove, and pot a plant to take home.



Explore the Greenhouses and awaken the curiosity of an entire classroom.

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

Early Fall, Late Fall, Holiday, and Winter

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

Green Buildings

Spring, Tuesdays and Thursdays

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 Garden and create their own roof design.

Guided Programs 9 – 12

\$120 per class of up to 30 students

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

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

Photosynthesis Lab

Late Fall, Holiday, and Winter

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

Green Buildings

Spring, Tuesdays and Thursdays

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

Additional Field Trip Experiences

Wonderland Express

November 23 – January 6

\$3 per person

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 www.chicagobotanic.org/wonderland for more information about Wonderland Express.

Guided Walking Tours

Spring: April 23 through June 7

Tuesdays and Thursdays

30 minutes

\$80 classroom (maximum 30 students):

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

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

School Tram Tours

April 23 through October 27

\$2.50 per person

Grades PreK, K – 2, or 3 – 6

30 minutes

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

Grades 7 – 12

35 minutes

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

Model Railroad Garden

May 12 through October 27

\$3 per person

Guide your students around our popular model railroad exhibition, where 7,500 square feet of miniature gardens and unique settings delight students and chaperones alike. Visit www.chicagobotanic.org/railroad for more information.

Butterflies & Blooms

June – August, 2013

\$3 per person

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 www.chicagobotanic.org/butterflies for more information about Butterflies & Blooms.

Students can get their hands dirty on field trips.



Community Outreach

Great Summer Science Experiences for Chicago Public School Students

Science First

Science First is a free four-week summer program for 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. Visit www.chicagobotanic.org/sciencefirst for more information. Applications for summer 2013 will be due in April.

College First

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

Science First and College First are made possible by the generous support of Discover Financial Services, Lloyd A. Fry Foundation, Leo S. Guthman Fund, Institute of Museum and Library Services, ITW, Bertha Lebus Charitable Trust, Harold M. and Adeline S. Morrison Family Foundation, Sheridan Foundation, Trillium Foundation, and the W.P. & H.B. White Foundation.

Student placements through the Corporate STEM Internship Program are provided by Baxter International Inc., Cardinal Health, and UL, partners in the Chicago Botanic Garden's Corporate Roundtable on Sustainability.

Real World Science Investigations in the Classroom

Project BudBurst

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

Project BudBurst is supported by an anonymous donor.

Organic Farming for Youth

Green Youth Farm

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

Major support for Green Youth Farm is provided by an anonymous donor, After School Matters, The Bank of America Charitable Foundation, The Grainger Foundation, Leo S. Guthman Fund, JPMorgan Chase Foundation, McKenna Foundation, Midwest Foods, Sheridan Foundation, State Farm Youth Advisory Board, Steans Family Foundation, and the Woman's Board of the Chicago Horticultural Society.

Additional support is provided by an anonymous donor, the J.R. Albert Foundation, Alvin H. Baum Family Fund, The Crown Family, Charter One Foundation, George and Amanda Hanley Foundation, ITW, Kaplan Foundation Fund/Carol and Ed Kaplan, Walter S. Mander Foundation, Northern Trust Charitable Trust, North Central Region Sustainable Agriculture Research and Education Program, Service Club of Chicago, Spear Family Charitable Fund, Starbucks Foundation, United States Department of Housing and Urban Development, and Chicago Department of Family and Support Services.

Also contributing to Green Youth Farm are the Albers/Kuhn Family Foundation, Laurance Armour Memorial Trust at The Chicago Community Trust, Baxter International Inc., Janice Becker, Benefit Magic, LLC in honor of Robert F. Finke, The Comcast Care Foundation, ComEd, Dr. Scholl Foundation, Walter and Karla Goldschmidt Foundation, Erica C. Meyer Charitable Fund of the Merrill Lynch Community Charitable Fund of The Chicago Community Foundation, Mrs. Meyer's Clean Day, Harold M. and Adeline S. Morrison Family Foundation, North Shore Garden Club, NorthShore University HealthSystem, NeighborSpace, Kathy Richland Pick, Rotary Club of Deerfield, UnitedHealthcare of Illinois, and Madeleine P. Plonsker.

Cultivating Health and Well-being

Horticultural Therapy

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

Horticultural Therapy is supported by an endowment from the Buehler Family Foundation. Additional support is provided by the Albers/Kuhn Family Foundation, Illinois Department of Veterans Affairs, Edmond and Alice Opler Foundation, and Abra Prentice Foundation, Inc., as well as endowments established by the estate of Florence Rantz, the Kenilworth Garden Club, the Julien H. Collins and Bertha M. Collins Fund, and the Helen and Maurice Weigle Fund at The Chicago Community Trust.

Windy City Harvest Offers Positive Change, Future Careers

Windy City Harvest

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

Certificate Training

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

VRIC

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

Native Seed Garden

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

This project is supported by the Beginning Farmer and Rancher Development Program of the National Institute of Food and Agriculture, USDA. Additional major support is provided by anonymous donors, the City of Chicago Department of Family and Support Services, Cook County Environmental Control Department, Kraft Foods, Inc., Institute of Museum and Library Services, Polk Bros. Foundation, North Central Region Sustainable Agriculture Research and Education Program, and the Woman's Board of the Chicago Horticultural Society.

Other support is provided by an anonymous donor, Alvin H. Baum Family Fund, The Crown Family, George and Amanda Hanley Foundation, Illinois Department of Commerce and Economic Opportunity, Midwest Foods, Service Club of Chicago, and Steans Family Foundation.

Also contributing to Windy City Harvest are Baxter International Inc., Janice Becker, ComEd, Walter and Karla Goldschmidt Foundation, Andrea Hoke, ITW, Erica C. Meyer Charitable Fund of the Merrill Lynch Community Charitable Fund of The Chicago Community Foundation, NeighborSpace, NorthShore University HealthSystem, and Dr. Scholl Foundation.

The following foundations and corporations support all education and community programs: The Helen V. Froehlich Foundation, The Brinson Foundation, HSBC – North America, Kemper Educational and Charitable Fund, and Sterling Partners.

