

# Learn + Discover

classes for adults, youth + family

Spring • Summer 2016 • March–August



MISSOURI  
BOTANICAL  
GARDEN



SHAW  
NATURE  
RESERVE



Butterfly  
House



Offered for a diversity of learners, from young explorers to budding enthusiasts to skilled gardeners, our courses have been expertly designed to educate, inspire, and enrich. Most importantly, they are intended to strengthen the connections each of us has with the natural world and all its wonders. Come grow with us!

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### SITE CODES:

MBG — Missouri Botanical Garden  
 SNR — Shaw Nature Reserve  
 BH — Sophia M. Sachs Butterfly House  
 off-site — check class listing for address



## What's your journey? How can we help?

### START HERE

FEB

#### February 1

Spring/Summer registration begins. Register early; many classes fill up fast!

MAR

#### March 1

Classes begin. New to Gardening? Check out our **Become a Great Gardener Series** and learn the basics of gardening in St. Louis.

#### + Digging Deeper

online resources:  
 Help for the Home Gardener  
[www.mobot.org/gardeninghelp](http://www.mobot.org/gardeninghelp)  
 Plant Finder  
[www.mobot.org/plantfinder](http://www.mobot.org/plantfinder)  
on-site resources:  
**William T. Kemper Center for Home Gardening** Classes  
[www.mobot.org/adultclasses](http://www.mobot.org/adultclasses)



MAY

#### Focus

Focus your growing education on various topics such as Gardening for Biodiversity, Edible Gardening, and Landscape Design Ideas. Check out our Behind the Scenes classes!

APR

#### April 2 and 3 - Save the Date!

**Meet Me (Outdoors) in St. Louis Weekend Festival!**  
 As you learn how to garden in your backyard, learn the importance of biodiversity and how to increase it.



AUG

#### August 1

Fall/Winter registration begins!

SEP

#### September 1

Fall/Winter classes begin.

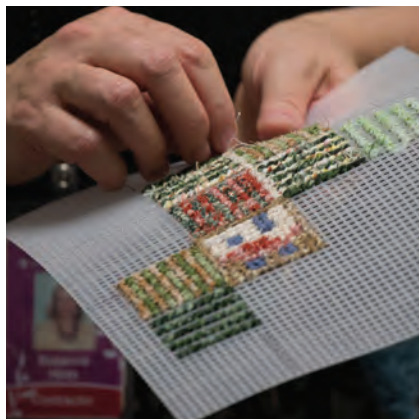
**Ready to grow on... Become a Master Gardener or Master Naturalist!**

Go to [www.stlmg.com](http://www.stlmg.com) and <http://masternaturalist.saint-louis.mo.us>

# ADULT CLASSES

Shaw Nature Reserve pass holders receive member rate for all Nature Reserve classes.

## DIY CRAFTS



### Goat Milk Soap-Making Workshop (SNR)

Did you know that goat milk soap is a natural moisturizer? Learn to make your own soap using goat milk, lye, vegetable oils, and essential oils in this hands-on workshop. The milk is 100% farm fresh from Debbie's own goats. The goats are free from steroids and other feed additives. Each participant will receive a bar of soap. Other soaps, lotions, butters, and lip balms will be available for purchase.

**Sunday, March 6**  
1 to 4 p.m.

**\$24 members; \$30 nonmembers**  
Adlyne Freund Center  
Debbie Stanley

### Basket Making (SNR)

Create your own basket by learning basic weaving techniques and using natural materials. By mid-March you will need to choose between making a gathering, wine, berry, or Cherokee heart basket (pictures will be available via email or mail). A materials list will be provided at registration.

**Saturday, April 2**  
9 a.m. to 3 p.m.

**\$45 members; \$54 nonmembers**  
Adlyne Freund Center  
Linda Brown

### Weaving Your Own Spring Scarf (MBG) NEW!

Learn how to weave this spring with a blend of natural fibers that might include hemp, cotton, or bamboo. With a pre-warped loom, you will be ready to weave a scarf project during class. Learn a basic tabby weave, which is great for a first-time project. You will have several colors to choose from to weave, and all supplies are provided. Bring a sack lunch. Space is limited, so register early.

**Saturday, April 2**

9:30 a.m. to 2:30 p.m.

**\$75 members; \$90 nonmembers**  
Garden Room  
Jill Kettler

### Garden Clay Mask (MBG)

Inspired by sun masks and green man faces you see when traveling throughout ornamental gardens, create your own garden mask in terracotta clay. Learn the basic techniques to build texture and create simple facial features to make your own mask as unique as your garden. Clay masks will be fired off-site and returned to the Center for Home Gardening for pick-up after May 10. All supplies provided.

**Wednesday, April 20**  
7 to 9 p.m.

**\$38 members; \$46 nonmembers**  
Garden Room  
Mary Henderson

### Whitewashed Herb Basket (MBG)

This beginner's basket will be a gardener's delight. Learn basic weaving techniques, including twining and lashing. This pattern features a touch of green and 6 different herb inserts. Whitewash finishing is optional. All weaving supplies included. Some hand strength required to complete your basket. A tool list will be sent with your registration.

**Saturday, May 14**

9:30 a.m. to 3:30 p.m.

**\$60 members; \$72 nonmembers**  
Garden Room  
Stephanie Arnold

Be sure to check out **Plant Press: From Field to Cards** class on page 22!

### Make Natural Dyes at Home (MBG)

The staff of Perennial will show you how to use different plants to make your own dyes naturally at home. Bring any white cotton that you would like to try dying as you will make the dyes and try them out during this class.

**Tuesday, May 17**  
7 to 9 p.m.

**\$35 members; \$45 nonmembers**  
Commerce Bank Education Center, Room 125  
Perennial Staff

### An Evening of Wine and Painting (SNR) NEW!

You and your friends are formally invited to Shaw Nature Reserve to enjoy an evening of wine and painting. No prior painting skills necessary. This class is geared towards beginners ready to explore their artistic side. Follow along with an instructor to create a masterpiece of your own! All painting supplies and wine will be provided.

**Friday, May 20**

7 to 9 p.m.

**\$35 members; \$42 nonmembers**  
Carriage House  
Baile Fischer

### Zinnia Tote Basket (MBG) NEW!

Add a flower-inspired basket to your summer accessories. This sturdy, adorable tote uses basic weaving techniques, a filled bottom, and fun leather handles. Top it off with an optional zinnia embellishment that you add at home. All weaving supplies included. Some hand strength required to complete your basket. A tool list will be sent with your registration.

**Sunday, June 12**

10 a.m. to 4 p.m.

**\$72 members; \$86 nonmembers**  
Missouri Room  
Stephanie Arnold

### Needlefelting (MBG)

This dry felting method uses wool roving and needles to interlock and compress the fibers into felt. It can be used to sculpt the fibers into decorative and useful objects or to embellish other types of fabric as appliques. The possibilities are endless. Unleash your imagination in this fiber art introduction.

**Monday, June 13**

6 to 8 p.m.

**\$45 members; \$54 nonmembers**  
Missouri Room  
Suzanne Hirth

### The Language of Flowers (MBG) NEW!

Throughout history, flowers have been a source of joy and inspiration, lifting spirits by virtue of their very existence. They can also provide a personal expression of love, happiness, and comfort. Spend an evening exploring garden areas, including a visit to the Sensory Garden's "Language of Flowers" area. Following the walking tour, participants will create a talking bouquet, utilizing flowers with specific meaning to express a message.

**Tuesday, June 21**

5:30 to 7:30 p.m.

**\$38 members; \$44 nonmembers**  
Missouri Room / Garden Grounds  
Jeanne Carbone

### Discovering Kokedama (MBG)

Kokedama or string gardens have developed from the ancient art of bonsai. This latest trend started in Japan and travelled west through Europe and has landed here via the internet. Free your indoor plants from their containers and display them in this fun new way. Discover this latest version of indoor gardening with Suzanne.

**Monday, July 11**

6 to 8 p.m.

**\$35 members; \$42 nonmembers**  
Botanical Room  
Suzanne Hirth

### Wine Bottle Reuse: Candles and Planters (MBG) NEW!

Do you have a hard time recycling beautiful glass bottles? Learn to transform used wine bottles into a self-watering planter or candle votive. The creative folks at Perennial will demonstrate safe ways to cut glass bottles using techniques you can replicate at home. Learn an easy and eco-friendly way to remove adhesive residue with SoyGel. In class, you'll practice scoring and cutting glass with Perennial's handmade glass cutter tool in combination with a hot/cold water bath. Decorate your home with these upcycled creations, or give as a handmade gift. Please bring 2-5 wine bottles with labels removed.

**Saturday, May 7**

2 to 5 p.m.

**\$40 members; \$50 nonmembers**  
Commerce Bank Education Center, Room 125  
Perennial Staff



### Gardens in Miniature: Fairy Gardening (MBG)

Welcome to the world of fairy gardening! Learn the basics of miniature gardening including plant selection, creative container ideas, and the endless miniatures available from fairies to furniture. Let your imagination be your guide as you create a magical miniature garden of your own. All supplies provided. Includes a short walk.

**Thursday, July 14**

**6 to 8 p.m.**

**\$55 members; \$69 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Mosaic Stepping Stone (MBG) **NEW!**

Learn to use broken plates and forgotten tiles to create a beautiful DIY mosaic! The staff from Perennial will guide you through each step from cutting tile, mixing mortar, and grouting your final mosaic. Since mosaics can be applied to almost any surface, this workshop will teach you the basics so you can use your skills for any future project. Each participant will create a unique stepping stone to take home to their outdoor spaces.

**Saturday, July 30**

**2 to 5 p.m.**

**\$44 members; \$55 nonmembers**

**Commerce Bank Education Center, Room 125**

**Perennial Staff**

### ScrapPointing (MBG)

Suzanne joined her love of needlework and fabrics in this technique called 'Scrappoint' back in the '80s. Inspired by primitive landscapes and quilts, she creates pieces that are highly textural by stitching with strips of fabric instead of yarn. Come learn this nontraditional but fun stitching technique with its originator.

**Monday, August 1**

**6 to 8 p.m.**

**\$33 members; \$39 nonmembers**

**Missouri Room**

**Suzanne Hirth**

## FINE ARTS



### The Garden in Watercolor (MBG)

For all levels. Capture the beauty of the Garden in watercolor while learning new techniques and composition skills. Through demonstrations and critiques, you will receive individual and group instruction outdoors when weather permits. Beginning and advanced students are welcome.

**8 Tuesdays: March 22, 29; April**

**5, 12, 19, 26; May 3, 10**

**9:30 a.m. to noon**

**\$180 members; \$216 nonmembers**

**Missouri Room**

**Mary Dee Schmidt**

### Introduction to Oil Painting (MBG)

For all levels. Vibrant colors, a forgiving medium, following the footsteps of masters — these are all descriptions used for painting in oils. Artist Tito Gay shows the ins and outs of oil painting. Learn about line, brush strokes, color mixing, and composition in the most beautiful Garden in the world. A materials list will be provided at registration.

**6 Thursdays: April 7, 14, 21, 28;**

**May 12, 19; No class May 5**

**9:30 a.m. to noon**

**\$135 members; \$162 nonmembers**

**Botanical Room**

**Tito Gay**

### Palette of Pastels (MBG)

For all levels. Enjoy applying lush colors of spring and summer to paper in this hands-on studio class. Pastels, which are pure pigment held together with a binder, put drawing with color at your fingertips. This medium is immediate, forgiving, and exciting. You will learn basic techniques through material demonstrations, as well as individual instruction using still-life of fresh fruit and blooming plants.

**8 Wednesdays: April 6, 13, 20,**

**27; May 4, 11, 18, 25**

**9:30 a.m. to noon**

**\$190 members; \$226 nonmembers**

**Center for Home Gardening Classroom**

**Jaclyn Lawson**

### Interpreting the Landscape in Watercolor (MBG)

For all levels. Wherever you look there is a landscape just waiting to be painted. This class is designed to give you the tools to confidently interpret the landscape in watercolor. Students will learn to simplify, edit, and design their own paintings. Some of the topics will include painting land forms such as rocks and mountains, atmospheric skies, and water such as lakes and rivers. Basic watercolor techniques will be covered in the first class. A materials list will be provided at registration.

**6 Mondays: March 7, 14, 21, 28;**

**April 11, 18; No class on April 4**

**6:30 to 9 p.m.**

**\$135 members; \$162 nonmembers**

**Missouri Room**

**Judy Seyfert**

### Watercolor: Fast and Loose (MBG)

For those with intermediate watercolor experience. Tired of those painting inhibitions that keep your art tight and predictable? This class is to help artists paint loose, impressionistic watercolors. By using big brushes, juicy paint mixtures, and the Garden as inspiration, artists will learn to handle watercolor boldly and confidently. A materials list will be provided at registration.

**8 Fridays: March 4, 11, 18, 25; April**

**1, 15, 22, 29; No class April 4**

**9:30 a.m. to noon**

**\$190 members; \$226 nonmembers**

**Center for Home Gardening Classroom**

**Judy Seyfert**

### Watercolor in Bloom (MBG)

For all levels. Using the free flowing, spontaneous nature of watercolor, students will translate the beauty of spring into expressive, vibrant, and colorful paintings. Techniques to be presented include painting wet into wet, glazing, and negative and positive shape making. Students will also learn to make "painterly" paintings through design and the use of decisive, expressive brushstrokes. The focus of the class is to have fun while exploring impressions of spring through the medium of watercolor. A materials list will be provided at registration.

**5 Saturdays: April 16, 23, 30; May 7, 14,**

**9:30 a.m. to noon**

**\$114 members; \$137 nonmembers**

**Beaumont Room**

**Judy Seyfert**

### Nature Writing (MBG)

Make a connection to nature through writing. Jim Biggs, Manager of Sustainable Education Programs, will lead this class on writing in nature. Poetry, blogging, or essays—learn how to connect to nature and put your experiences to paper in meaningful ways. Jim will guide you through the Garden and help you to find the way to capture the experience.

**Thursday, June 16**

**10 a.m. to noon**

**\$15 members; \$20 nonmembers**

**Ridgway Ticket Counter**

**Jim Biggs**

Be sure to check out **Coloring in the Collection: An Artsy Activity Just for Grown-Ups** on page 36!

# PHOTOGRAPHY



## Butterfly House Photography Series

### March Morpho Mania Photography (BH)

This class will offer the special privilege of taking photographs during March Morpho Mania at a time when the Butterfly House is closed to the public. More than 2,000 blue morpho butterflies fill our Conservatory during this event, and their beauty makes them wonderful photography subjects. Get rare access to The Butterfly House to take photos with professional assistance using a tripod. Participants should have a basic understanding of their camera's features.

**Monday, March 14**

**9:30 a.m. to noon**

**\$40 members; \$50 nonmembers**

**Meet at Butterfly House Front Desk**

**Scott Avetta**

### Capturing Dragonflies: Outdoor Photography (BH)

The Butterfly House's Native Habitat is an oasis for dragonflies and other beautiful insects. Join professional photographer Scott Avetta to learn tips for photographing dragonflies in the wild. We also expect to see native butterflies and beautiful native plants in flower — all wonderful photography subjects. Entomologist Chris Hartley will also be on hand to answer questions about these animals. Participants should have a basic understanding of their camera's features.

**Wednesday, August 10**

**5:30 to 8 p.m.**

**\$32 members; \$39 nonmembers**

**Meet at Butterfly House Front Desk**

**Scott Avetta**

### Butterfly Chrysalis Photography (BH)

A butterfly chrysalis is like a living jewel. Many are adorned with gold, silver, or jewel-tone colors. During this class, you will have the chance to photograph these amazing chrysalises up close. Close-up photography of chrysalises is not available to the general public. Don't miss this special opportunity! Entomology staff will be on hand to identify and handle the chrysalises. Professional photographer Scott Avetta will give instruction on how to achieve a perfect photo of each subject. You will also be able to photograph all our living butterflies during this class.

**Wednesday, May 18**

**5:30 to 8 p.m.**

**\$38 members; \$46 nonmembers**

**Meet at Butterfly House Front Desk**

**Scott Avetta**

## Shaw Photography Series

### High Dynamic Range (HDR) Photography (SNR)

For intermediate or advanced photographers. HDR is all the rage in photo processing now, but so much of the work being produced looks over-processed and unnatural. Join photographer, graphic designer, and certified Photoshop and Lightroom expert Jeff Hirsch to learn how to see, shoot, and process HDR images in a range of treatments from real and natural to surreal and creative. Workshop participants will receive a sample set of images to work with during the in-class demonstration along with a special set of Jeff's custom presets for HDR Efex Pro 2.

**Saturday, March 19**

**8:30 a.m. to 12:30 p.m.**

**\$50 members; \$60 nonmembers**

**Adlyne Freund Center**

**Jeff Hirsch**

### An Evening with Arthur Meyerson (MBG)

For all. Join us for an unforgettable evening with Arthur Meyerson, recognized as one of America's most celebrated photographers. Enjoy his stories of over 40 years of travel throughout the world creating award-winning commercial photographs, as well as an extensive body of fine art imagery. His numerous awards include gold medals from the New York Art Directors Guild, the Art Director's Club of Houston, and the prestigious Stephen Kelly Award for his work on the Nike advertising campaign. Besides his commercial work, Arthur's fascination with light, color, and the moment continues and has culminated into an impressive body of personal work as well. In 2012, his highly acclaimed book, *The Color of Light*, was published. A photographer with a strong commitment to his profession, Arthur teaches photography workshops throughout the U.S. and abroad.

**Thursday, April 14**

**7 to 9 p.m.**

**\$20 members; \$24 nonmembers**

**Shoenberg Theater at Missouri**

**Botanical Garden**

**Arthur Meyerson**

### Arthur Meyerson Overnight Workshop (SNR)

For intermediate and advanced levels. Working with renowned photographer Arthur Meyerson, participants in this weekend photography workshop will hone their photographic skills and refine their portfolios. One of the most experienced and accomplished teachers and photographers today, Arthur will strengthen your ability to see and work in color while shooting at Shaw Nature Reserve, as well as several off-site shooting opportunities including Washington, MO. Through shooting assignments, critiques, and discussions, participants acquire techniques to become more sensitive to light and its effects on color, composition, texture, pattern, and design. Participants will leave with an enhanced sensitivity to light and color. There will be opportunities for sunrise and sunset shooting in the nearby wetland. Participants should have a good understanding of basic exposure with natural light and concepts such as aperture, ISO, and shutter speed. Equipment needed: DSLR camera, lenses that cover wide angle through medium telephoto, extra camera batteries, a flash drive, and a laptop for image processing and editing. Admission to Thursday night's presentation at the Missouri Botanical Garden, dormitory-style accommodations in beautiful historic lodges, and all meals are provided. This workshop is limited to 12 participants. **Saturday, April 16 through Sunday, April 17 9 a.m. (Saturday) to 4 p.m. (Sunday) \$575 members; \$650 nonmembers Dana Brown Overnight Center Arthur Meyerson**

**Light + Discovery Photo Workshop Overnight (SNR)**

For all levels. Join local photographer Dan Dreyfus in an exploration and hands-on photo workshop. Increase your understanding of the principles of light and the impact that quality, direction, and color of light have on your photographs. Learn how cross light and shadow can accentuate the texture of the oak's bark and how backlight can transform a seedpod into a halo of delicate patterns. You'll see how the color of light can increase the power of your images. After a presentation and discussion of images, participants will venture into the field to discover ways to strengthen their own photographs through an increased understanding of light and shadow. Lunch is provided.

**Saturday, May 21 through Sunday, May 22**  
**9 a.m. (Saturday) to 11 a.m. (Sunday)**  
**\$200 members; \$240 nonmembers**  
**Dana Brown Overnight Center**  
**Dan Dreyfus**

**Close-up Photography (SNR)**

For all levels. In this class Scott Avetta will discuss the importance of subject selection and backgrounds. We will explore the many possibilities for dramatic results in a small area. Learn to maximize your equipment and utilize other close-up options to improve your photographs. You will learn the critical elements of light and options to create a scene with reflectors and diffusers. The use of a tripod and cable release or remote is recommended. A macro lens is not required.

**Saturday, June 4**  
**7 to 11 a.m.**  
**\$55 members; \$66 nonmembers**  
**Carriage House**  
**Scott Avetta**

**Sunrise Photography (SNR)**

For all levels. Sunrises at Shaw Nature Reserve can be spectacular, whether rising over the beautiful prairie or reflecting off the wetland pools. Join us for this self-guided special opportunity as we allow early (5:30 a.m.) access to parts of the Nature Reserve allowing time for set-up before the sun rises. Enjoy a cup of coffee at the Visitor Center when you check in.

**Wednesday, July 20**  
**5:30 to 8:30 a.m.**  
**Free for members; Included with admission for nonmembers**  
**Meet at the Visitor Center**  
**Self-guided**

**Dissecting Your Images: The Path to More Thoughtful and Meaningful Images (SNR)**

For intermediate to advanced photographers. This intense all-day workshop is all about what makes an image work. What moves them from ordinary to extraordinary? With over 45 years of photographic experience, Stewart will help bring you toward more mindful compositions with talking, looking, and contemplation of images. There will be no shooting in this workshop. Each participant will be asked to submit 15 to 20 images in advance that they feel really worked for them: not just good images but images that captured a decisive moment and made them stand out. We will discuss what makes a "decisive moment" photographically and view some images from the masters. Lunch is provided.

**Saturday, August 6**  
**9 a.m. to 3 p.m.**  
**\$150 members; \$180 nonmembers**  
**Adlyne Freund Center**  
**Stewart Halperin**

**Garden Photography Series** **NEW!**  
**Travel Photography (MBG)**

For all levels. Learn how to take better images without letting photography take over the trip. We will discuss some of the preparation before your trip which will simplify your adventure. Whether you are on a 2-week overseas trip or a quick weekend getaway, many of the obstacles remain the same. Learn how to improve your odds of getting a good photograph no matter what camera you have. Topics will include lighting, capturing the mood, limiting clutter, and documenting your travels.

**Saturday, March 5**  
**10 a.m. to noon**  
**\$28 members; \$34 nonmembers**  
**Garden Room**  
**Scott Avetta**

**Photography Boot Camp (MBG)** **NEW!**

For beginning to intermediate photographers. Tired of going through confusing manuals and not understanding where to start? In this multi-session, hands-on course we will simplify your life by explaining the key functions on your camera, why they are important, and how to use them to your advantage. We will also discuss camera settings, ISO settings, white balance, and a few other critical features. You should bring a camera and manual to the classes as you will have some class time to practice what you have learned.

**4 Tuesdays: March 15, 22, 29; April 5**  
**9:30 a.m. to noon**  
**Center for Home Gardening Classroom**  
**or**  
**4 Thursdays: March 17, 24, 31; April 7**  
**6:30 to 9 p.m.**  
**\$140 members; \$168 nonmembers**  
**Botanical Room**  
**Scott Avetta**

**Behind the Scenes Teahouse Island Photography (MBG)**

For all levels. Get rare access to this special non-public space where we will photograph the neutral tone and simple beauty of Nakajima, or Teahouse Island, and its limitless patterns and shapes. Slow down, relax the mind, and see what is in front of you. The creative possibilities are endless. As the light changes so do the images. Space and gear will be limited for this special place! Tripods allowed.

**Tuesday, April 12**  
**8:45 a.m. to noon**  
**\$52 members; \$62 nonmembers**  
**Meet at Ridgway Center Ticket Counter**  
**Scott Avetta**

**Photographing Spring in the Garden (MBG)** **NEW!**

For all levels. Throughout this multi-session, hands-on class we will concentrate on the peak areas of the Garden during the spring season. We will increase your understanding of lighting, composition, and exposure compensation and apply them in the field. We will see what a difference a week can make in a subject, and the importance of returning to an area. Participants should have a basic understanding of the camera and its key features. To learn more about your camera's functions, consider taking photography boot camp.

**2 Tuesdays: April 19, 26**  
**9:30 a.m. to noon**  
**\$70 members; \$84 nonmembers**  
**Center for Home Gardening Classroom**  
**Scott Avetta**

**Photographing Waterlilies (MBG)**

For all levels. Get special access to late evening light and limited crowds to photograph water lilies. We will discuss how to get better botanical images using anything from wide angle to close-up perspective. You will learn tips on field photography, subject selection, and how light plays a significant role in your photograph.

**Monday, August 15**  
**6:30 to 8:30 p.m.**  
**\$28 members; \$34 nonmembers**  
**Meet at Ridgway Center Ticket Counter**  
**Scott Avetta**



**Sunset Photography (MBG)**

As an intermediate photographer, you will have the unique opportunity to photograph the Garden with evening and sunset light in this multi-session class. You will experience both classroom information sessions and photo shoots with hands-on help. We will discuss the complications and advantages of low light/sunset photography and how to handle them. Bring your camera equipment to all the classes. A tripod is recommended.

**2 Tuesdays: May 10 and 17**  
**6:30 to 8:30 p.m.**

**\$56 members; \$67 nonmembers**

**Meet at Ridgway Center Ticket Counter**  
**Scott Avetta**

**Walking Photography Tour of Downtown St. Louis (off-site) NEW!**

For intermediate to advanced photographers. Join Richard Reilly on a tour of interesting architectural sites through downtown St. Louis. Create artistic photographs focused on observation of structural details and composition that enhance appreciation of the architecture and your own photographic output. Reilly is the principal photographer of *All the Art*, a St. Louis visual arts quarterly; his most recent one-man show was at Fort Gondo Compound for the Arts in 2015. Bring any camera that you wish, but please be familiar with it. Be prepared to walk approximately 2 miles for the 3-hour class. The chief takeaway will be the revitalization of your photographic eye for future explorations.

**Saturday, May 14**  
**Noon to 3 p.m.**

**\$40 members; \$48 nonmembers**

**Meet at the City Garden at the corner of 10th and Market**  
**Richard Reilly**

**Close-up in the Temperate House (MBG)**

For intermediate to advanced photographers. Get special evening access to the Temperate House with a small group of photographers. We will spend part of our time in a classroom discussing the key elements of close-up photography. Camera setting and subject selection will be discussed. We will apply these elements to the limitless subjects inside the Temperate House. A tripod and remote or cable release will be helpful.

**2 Mondays: July 11 and 18**  
**6:30 to 8:30 p.m.**

**\$56 members; \$67 nonmembers**

**Meet at Ridgway Center Ticket Counter**  
**Scott Avetta**



## FOOD AND COOKING

All cooking classes are demonstrations only unless otherwise noted. Chefs serve sample-sized portions and copies of their recipes.

### CULTURAL INSPIRATIONS

**Dine Like a Duchess (MBG)**

Oooh la la! Queen's Cuisine's proprietor and chef extraordinaire Jane Muscroft treats you a delightful menu fit for a duke or duchess! Sample chilled tomato and dill mousse, as enjoyed by Oprah when visiting Princess Diana, roast spring leg of lamb, duchess potatoes, bread and butter pudding served with cream and berries: Princess Diana's all-time favorite according to her chef, Darren McGrady. What more could you ask for on a Monday morning?

**Monday, March 21**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**  
**Jane Muscroft**

**Queen's Cuisine's Pastry Secrets (MBG) NEW!**

Queen's Cuisine's proprietor and chef extraordinaire Jane Muscroft will share with us her pastry secrets. You requested pork pie and we listened! You will enjoy learning how to make Melton Mowbray pork pie, sausage rolls, mini quiche, coconut cups, and Eccles cakes.

**Thursday, June 23**

**7 to 9 p.m.**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**  
**Jane Muscroft**

**All the Tea in China (MBG)**

Chinese-American chef Theresa Liu will demonstrate Eastern Chinese tea drinking etiquette and the games she played as a child. We will sample different kinds of tea while Theresa creates tea-smoked duck, drunken chicken, sweet and sour radishes, and crispy egg rolls.

**Saturdays: May 14 or August 27**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**  
**Theresa Liu**

**The Unofficial Downton Abbey Tea III (MBG)**

With its gorgeous costumes, beautiful set, and a rapidly changing storyline, *Downton Abbey* has enraptured us all! Englishwoman Jane Muscroft of Queen's Cuisine will delight us in demonstrating how to prepare a selection of finger sandwiches, scones with clotted cream, pastries, and desserts as enjoyed in Victorian Britain. Whether you fancy yourself the Earl of Grantham or Lady Mary, you'll adore sampling these tasty treats. Do as the Dowager Countess says, and take this class! After all, she's never wrong.

**Monday, March 7; Tuesday, March 8 or**

**Monday, March 28**

**10 a.m. to noon**

**\$40 members; \$48 nonmembers**

**Center for Home Gardening Classroom**  
**Jane Muscroft**

**Death by Chocolate (MBG)**

Brought back by popular demand, Kakao chocolatier Tori McCarty returns to create triple-chocolate chip cookies, brownies (with a lot of options to make them your own), double-chocolate cupcakes, and syrups for your morning coffee, tea, or even hot chocolate! This class can't be missed—it's simply to die for! You might want to bring a container to take home some of these goodies. It can be a bit rich!

**Wednesday, March 16**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Tori McCarty**

**Sensational Cacao (MBG) NEW!**

Attention Chocolate Lovers: this class is not for the faint of heart! Kakao chocolatier Tori McCarty creates tempting and inspired dishes. She will be making lavender shortbread cookies (dipped in chocolate if you would like), raspberry chocolate breakfast bars, chocolate with mint, and syrups for your morning coffee, tea, or even hot chocolate! This class will likely have leftovers, so come prepared with a container!

**Saturday, March 19**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Tori McCarty**

**The History of Chocolate (MBG)**

Calling all chocoholics! Learn about the history of chocolate, how this decadent treat is made, and the various types of chocolate. Numerous chocolates will be sampled throughout the program, plus you will receive treats to take home. For the true chocolate lover in everyone!

**Tuesday, April 19**

**7 to 9 p.m.**

**\$37 members; \$43 nonmembers**

**Botanical Room**

**Kim Petzing and Brian Pelletier**

**PLANT-INSPIRED MEALS AND IDEAS**

All cooking classes are demonstrations only unless otherwise noted. Chefs serve sample-sized portions of their recipes.

**For the Love of Lavender (MBG) NEW!**

We love Lavender! Join The St. Louis Herb Society as we share our best practices for growing, harvesting, and using this well-loved plant. Participants will make lavender sachets, sample several recipes using lavender buds, and take home their own lavender plant with a planting and growing guide.

**Monday, April 18**

**9:30 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**St. Louis Herb Society**

**Za'atar (MBG) NEW!**

A hot new food trend for some, a traditional culinary necessity for others, the herb/spice blend Za'atar is an intoxicating mixture of za'atar (Syrian oregano) and other herbs and spices. The St. Louis Herb Society's Bruce Chalker will share tips on growing your own za'atar herbs, and participants will taste and compare ingredients, make Lebanese and Syrian za'atar blends, and bake Lebanese flatbread with za'atar. We'll finish by sampling several middle eastern recipes that feature za'atar.

**Monday, April 25**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**St. Louis Herb Society**

**Tea on the Terrace and Tour (SNR)**

April is the perfect time to enjoy Shaw Nature Reserve's beautiful Whitmire Wildflower Garden. A selection of teas and delectable desserts will be served on the Carriage House Terrace (weather permitting), which overlooks the wildflower garden. Tea will be followed by a guided tour of the wildflower garden by a Shaw Nature Reserve horticulturist.

**Saturday, April 30**

**2 to 4 p.m.**

**\$30 members; \$36 nonmembers**

**Carriage House**

**Terri Brandt, Shaw Nature**

**Reserve horticulturist**

**Olive Oil: Tasting Liquid Gold! (MBG)**

For 5,000 years olive oil has been the backbone of the Mediterranean diet. It's as varied as wine and enhances the flavor of everything! Come sip and slurp through an international selection of extra virgin olive oils while you sample a summer salad with citrus vinaigrette, pesto focaccia, linguini with meatballs, and lemon olive oil poppy seed cake! Learn about olives and how they are transformed into nature's liquid gold.

**Monday, June 20**

**7 to 9 p.m.**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Marianne Prey**

**Balsamic Vinegar: 1000 Years of Flavor in One Little Bottle (MBG) NEW!**

Did you know that authentic traditional balsamic vinegar only comes from 2 cities in Italy, is highly regulated, and dates back to before 1065? Spend an evening with us to learn more about this magical elixir as we sample balsamic vinegars from several Italian families and sample a summer salad with blueberry balsamic vinaigrette, gazpacho with balsamic veggies, roasted polenta with mushrooms and balsamic sauce, and peppered balsamic strawberry ice cream.

**Monday, June 27**

**7 to 9 p.m.**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Marianne Prey**

**Lentils: Beyond Soup (MBG) NEW!**

Lentil soup has long been a favorite dish of the lentil lover. But what else can you make with lentils? Join us for a class on the creative use of lentils as Chef Vicki Bensinger takes you beyond the soup with such creations as lentil salad, lentil granola bars, and even lentil brownies! You won't want to miss this sensational cooking experience.

**Wednesday, March 23**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Vicki Bensinger**



**Berry-licious (MBG) NEW!**

In this new class, Diana Smith will show us how to make blackberry balsamic-glazed pork tenderloin medallions; raspberry truffle mini tarts; square blueberry lemon curd puff pastry tart (that's a mouthful); and, finally, no cook-strawberry jam. Truly a berry-licious class you won't want to miss!

**Saturday, July 30**

**10 a.m. to noon**

**\$42 members; \$50 nonmembers**

**Center for Home Gardening Classroom**

**Diana Smith**

**Gifts from the Kitchen, NEW!****Summer Edition (MBG)**

Even when there's not a holiday in sight, you can give someone you love a gift from your kitchen. In this summer edition of the class, Diana Smith will demonstrate how to make the perfect summer harvest gift. Quick-pickled vegetables, spiced and pickled blackberries, and luscious raspberry curd are all on the menu. And you'll learn something else to do with all that basil: basil oil.

**Saturday, August 13**

**10 a.m. to noon**

**\$42 members; \$50 nonmembers**

**Center for Home Gardening Classroom**

**Diana Smith**

**Ex Uno, Plures: One Dough, NEW!****Many Breads (MBG)**

Fr. Dom will demonstrate how a single basic sweet dough recipe can be used for breakfast breads as diverse as lemon fantans, chocolate babka, apricot orange blossoms, and Loretto swirl, named after the Sisters in Webster Groves who host Fr. Dom when he stays in St. Louis. You can expect delicious recipes, clear instruction, and the entertaining stories you've come to expect from "The Bread Monk." The four recipes come from Fr. Dom's newest book, Breadhead Breakfast Treats, which will be available for purchase after the class.

**Saturday, July 23**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Fr. Dominic Garramone, OSB**

**Urban Chestnut Brewing Company: Making Earth-friendly, Sustainable, and Delicious Beer (off-site)**

Join Florian Kuplent, brewmaster and co-founder of Urban Chestnut Brewing Company, in this informative class as he describes the sustainable and environmentally friendly brewing process at their LEED-Certified Grove Brewery and Bierhall. Free samples of their beers included! Sign up early; registrations are limited. Must be 21 or older.

**Monday, April 4**

**7 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**

**Meet at Urban Chestnut Brewing**

**Company in the meeting room; 4465**

**Manchester Avenue St. Louis, MO 63110**

**Florian Kuplent**

**Behind the Brew: Hops and NEW! Brewing with Urban Chestnut (off-site)**

Take this chance to learn about one aspect of brewing from brewmaster and Urban Chestnut co-founder Florian Kuplent. This class is focused on hops in the brewing process. What are hops? What are IBUS (bittering units)? Learn where hops are grown and cultivated, and learn about different varieties of hops and their impact on beer. The evening will end with some samples to showcase different IBU levels and aroma characteristics. Whether you are a home brewer or just curious as to how hops are used in brewing, this will be an exciting class! Must be 21 or older.

**Wednesday, April 27**

**7 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**

**Meet at Urban Chestnut Brewing**

**Company in the meeting room; 4465**

**Manchester Avenue St. Louis, MO 63110**

**Florian Kuplent**

**Behind the Brew: A Look NEW! into German Beer Styles with Urban Chestnut (off-site)**

Learn about German beer styles from Urban Chestnut's brewmaster and co-founder (and German native), Florian Kuplent. In this class you will get an introduction to some of the lesser-known beer styles that originated in Germany. Learn what ingredients are used, what brewing process, and the flavor and aroma of these German style beers. The evening will include some tasting of a few styles (based on what is available at time of the class). Must be 21 or older.

**Wednesday, August 31**

**7 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**

**Meet at Urban Chestnut Brewing**

**Company in the meeting room; 4465**

**Manchester Avenue St. Louis, MO 63110**

**Florian Kuplent**

**Choosing ICED Tea with NEW! the Planet in Mind (MBG)**

When it comes to summer refreshment, there are choices you can make that are sustainable and support workers and the environment. Learn about teas typically used for "icing," and many teas that are enjoyed hot but also taste great over ice. Preparing iced tea is a great way for busy people to get full value out of hand crafted Direct Trade/Farmer Direct whole-leaf teas.

**Tuesday, June 14**

**7 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**

**Commerce Bank Education Center, Room 125**

**Kateri Meyer**

**Traveling the World in a Cup of Tea (MBG)**

"Visit" a variety of regions and experience fine handcrafted, organic teas. Learn about the people who create them and how your tea enjoyment aids them and their care of our planet. Find out how the tea world is changing and responding to our demands for sustainability. Learn about Direct Trade tea and how that improves the lives of others and expands your tea-drinking options. Lots of tea sampling!

**Tuesday, August 16**

**7 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**

**Commerce Bank Education Center, Room 125**

**Kateri Meyer**

**Breakfast Made Simple (MBG) NEW!**

Join chef Vicki Bensinger as she shows us how to make simple, tasty breakfast dishes that are sure to wow everyone in the family! Start the day right with a breakfast smoothie, overnight oats, egg cups, or a warm fruit compote.

**Monday, May 2**

**10 a.m. to noon**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Vicki Bensinger**

**Seasonal Spring Produce (MBG) NEW!**

Spring has sprung and the strawberries are ripe for the picking! Chef Lana Shepek will delight us with chilled sparkling strawberry soup, roasted strawberries with black pepper, aged balsamic vinegar, mascarpone on Irish soda bread, and roasted white/green asparagus with walnuts and gruyere cheese. Is winter over yet?

**Tuesday, April 26**

**7 to 9 p.m.**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Lana Shepek**

**Encore Seasonal Spring NEW! Produce (MBG)**

Come back for more spring treasures from Lana's garden. Honey sweet strawberry and goat cheese bruschetta, savory garlic scapes and spring onions side dish for outdoor grilling, mixed greens with asparagus tips, strawberries and local cheese salad, and rhubarb strawberry crumbled top pie to top it all off. Enjoy tasting herbs: lovage, burnt, Italian, and Greek oregano. Taste spring!

**Tuesday, May 24**

**7 to 9 p.m.**

**\$37 members; \$43 nonmembers**

**Center for Home Gardening Classroom**

**Lana Shepek**

**Missouri's Native NEW! Wine Grape (SNR)**

Learn about Missouri's native wine grape, the Norton, from its origins to its use in the wine industry today. Meet local winemakers, hear about their pesticide-free Norton vineyard, see what they have made, and learn the basics of harvest and wine making. Optional sample available.

**Friday, July 15**

**7 to 9 p.m.**

**\$10 members; \$12 nonmembers**

**Carriage House**

**Master Naturalists Peggy and Kevin Menke**

# GARDENING AND LANDSCAPING

## GARDENING BEST PRACTICES

### Become a Great Gardener Series

This series of classes is designed for beginners just getting into gardening.

### Edible Gardening in Containers for Small Spaces (MBG) NEW!

Want to grow your own food? Not sure where to start? No room for a traditional garden? Come learn how to grow fresh delicious edibles in containers including edible flowers, herbs, vegetables, and fruits. Create an edible container to take home. All materials included.

**Tuesday, March 29**

**6 to 8 p.m.**

**\$55 members; \$69 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Gardening with Hanging Baskets (MBG)

Need inspiration for your hanging baskets? Don't have a lot of space? Come learn different "recipes" for this season's baskets. Take a walk and see some of the creative baskets in the Garden. Create a hanging basket to take home. All materials included.

**Thursday, April 14**

**6 to 8 p.m.**

**\$55 members; \$69 nonmembers**

**Missouri Room**

**Sharon Lloyd**

### Spring Container Gardening (MBG)

Learn the basics of container gardening from types of containers, potting soils, watering, fertilizing, and plant selection. Take a walk in the Garden to see this season's creative containers. Create a container filled with spring plants to take home. All materials included.

**Thursday, April 7**

**6 to 8 p.m.**

**\$55 members; \$69 nonmembers**

**Missouri Room**

**Sharon Lloyd**

### Summer Container Gardening (MBG)

Learn the basics of container gardening from types of containers, potting soils, watering, fertilizing, and plant selection. Take a walk in the Garden to see this season's creative containers. Create a container filled with summer plants to take home. All materials included.

**Tuesday, May 10**

**6 to 8 p.m.**

**\$55 members; \$69 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Blooms for Four Seasons (MBG)

Flowers, flowers, everywhere! Learn how to plant a diversity of annuals, perennials, and shrubs that will provide you with a year-long supply of color and interest.

**Thursday, June 16**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Welcome to St. Louis Gardening (MBG)

New to St. Louis? Our climate and soils can be tricky! Learn about the plants that thrive in our hot summers, survive our cold winters, and tolerate our clay soils. Includes a short walk.

**Thursday, May 19**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Perennials 101 (MBG)

Perennials provide a wonderful foundation for any garden. Learn about planting techniques, plant culture, pest control, fertilization, division, and pruning from a seasoned gardener. Includes a short walk.

**Monday, May 23**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Low Maintenance Perennials (MBG)

Every gardener wants beautiful flowers, but they don't have endless hours to work in the garden. Dig deep into the top 20 plants for the St. Louis garden in sunny and shady areas. Includes a short walk.

**Thursday, June 2**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Cut Flower Gardening (MBG) NEW!

Explore the world of fresh cut flowers and learn which annuals, perennials, shrubs, and trees make for an interesting and unique arrangement for the home. Varieties that are best for your cutting garden will be discussed. Includes a short walk.

**Thursday, June 23**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

### Cold Hardy Cacti and

### Succulents (MBG)

Learn how to plant and maintain a cold-hardy cactus and succulent garden. Topics will include: amending your soil; handling spiny, prickly plants; strategic plant placement to protect against harsh winters or full summer sun; identifying plants with successful growing records in St. Louis climate; where to buy cold-hardy plants; and more.

**Wednesday, March 2**

**7 to 9 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Henry Shaw Cactus Society**

### Creating an Indoor Water

### Garden Container (MBG)

Inspired by the popular water container in the Center for Home gardening, learn the ins and outs of creating your own. Senior Horticulturist Jenna Rozum will teach you which plants are emergent, submergent, and floaters. Get tips on the best soil substrate, what water to use, and how to keep algae at bay. Each student will receive a small kit to take home with a few plants, a container, and some fish.

**Saturday, June 25**

**10 a.m. to noon**

**\$53 members; \$64 nonmembers**

**Beaumont Room**

**Jenna Rozum**

### Spring Lawn Care (MBG)

Cool-season lawns of bluegrass and fescue varieties are best for St. Louis. In this class, Glenn will focus on seeding, renovating, fertilizing, and watering. He will also discuss weed, disease, and pest control challenges. You'll come away with a complete picture of the steps necessary to maintain your cool-season lawn.

**Tuesday, March 8**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Glennon Kraemer**

### The Frugal Gardener (MBG)

Save some money (and the planet)! Learn helpful techniques and tips, from repurposing containers to using free fertilizer to how to make your own self-watering pot. Gardeners are inherently resourceful, but Sharon will show you how to increase efficiency, use less, and save money. Includes a short walk.

**Thursday, March 17**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Sharon Lloyd**

### Composting 101

Interested in composting, but don't know where to start? Want to know how to keep your compost pile going through the winter? This class is for you! We'll discuss composting basics, bin design, frequently asked questions, cold-weather composting, and more. Participants will walk away with their own kitchen compost waste collector to store scraps until they are ready to transfer to their compost systems, along with the knowledge they need to construct their own home-composting system.

(SNR)

**Friday, March 18**

**10 a.m. to noon**

**Carriage House**

**or (MBG)**

**Thursday, April 21**

**7 to 8:30 p.m.**

**Commerce Bank Education Center, Room 125**

**\$35 members; \$45 nonmembers**

**Earthways Center Staff**

**Carnivorous Plants (MBG) <sup>NEW!</sup>**

Botanical expert Kyle Cheesborough will take us on a closer look of the world of carnivorous plants. Why do they eat insects? Where are their native habitats? How do you grow a carnivorous plant at home?

**Tuesday, March 22**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Kyle Cheesborough**

**Happy, Healthy Gardener (MBG)**

Gardening can be a rewarding exercise physically and mentally, but it can also be the reason for many injuries to your body, such as your back, wrists, and knees. Come and learn simple healthy garden practices such as stretching techniques and proper tool use in order to prevent injury and have an enjoyable and safe season. Includes a short walk.

**Thursday, March 24**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Sharon Lloyd**

**Daffodils 101 (MBG)**

Ever wonder how the Garden gets its daffodils to look so darn good? Learn from bulb expert Jason Delaney which types work best in St. Louis, how deep to plant and when, and the must-have daffodil bulbs for Missouri gardens. Jason will also talk about bulb companion planting and lessons learned from the Garden. Come and learn about his choice picks.

**Tuesday, March 29**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Jason Delaney**

**Beginning Bonsai: Juniper (MBG)**

Gain an understanding of the basic principles of bonsai in this hands-on workshop. Brian and Milt Ciskowski will guide you through the steps for creating your own indoor bonsai plant. Styling, pruning, wiring, and overwintering will be discussed, as well as plant selection and routine maintenance. All materials will be provided, including your own bonsai.

**Saturday, April 2**

**9 a.m. to noon**

**\$72 members; \$86 nonmembers**

**Missouri Room**

**Brian and Milt Ciskowski**

**Pruning with Ben Chu (MBG)**

Pruning is often needed to control plant size, enhance beauty, correct damage from pests, and increase flower and fruit production.

In this class, you will learn when and how to prune trees, shrubs, and evergreens to maximize these beneficial effects. In addition to observing a live pruning demonstration, you'll learn about the selection and care of the best pruning tools.

**Tuesday, April 5**

**6:30 to 8:30 p.m.**

**\$30 members; \$36 nonmembers**

**Missouri Room**

**Ben Chu**

**Made in the Shade (MBG)**

Do you have a shady spot in your garden? A diverse world of beautiful plants thrive in shady environments. Learn about great plants that add color and texture to part-shade and full-shade gardens, and then take a walking tour through the Garden to meet them yourself. Class will finish in the Strassenfest Garden.

**Saturday, April 9**

**10 a.m. to noon**

**\$28 members; \$34 nonmembers**

**Center for Home Gardening Classroom**

**James Wagner**

**Rescue Your Zoysia (MBG)**

Zoysia has different cultural requirements than cool-season grasses. In this class, specific information and schedules for fertilizing, watering, and weed control will be presented. Learn how to make your zoysia lawn the best on the block with minimal effort.

**Tuesday, April 12**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Missouri Room**

**Glennon Kraemer**

**Get the Dirt on Soil! (MBG) <sup>NEW!</sup>**

We know that soil is not the most exciting topic, BUT without knowing your soil and what makes plants grow well, you will struggle and waste time and money on plants. A good soil is key! Participants may bring a small sample of soil from their home garden or yard to determine the soil texture. Includes a short walk.

**Tuesday, April 12**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

**Back to Basics Garden****Boot Camp (MBG)**

Whether you are new to gardening or just need a refresher, this series is for you. Join us for this intensive interactive 4-part series and discover the importance of soil, mulch, watering, and plant nutrients. Learn about plant location, types of plants, division, and overall maintenance. This series will be a combination of classroom lecture and outdoor walks.

**4 Thursdays: April 21, 28; May 5, 12**

**6 to 8 p.m.**

**\$88 members; \$106 nonmembers**

**Botanical Room**

**Sharon Lloyd**

**Mother's Day Container Garden (MBG) <sup>NEW!</sup>**

Looking for something fun to do with mom this year? Grab your mom, friend, or just yourself and join us for a fun and relaxing evening as we explore how to create a container garden just in time for Mother's Day. Take a walk in the Garden to see this season's creative containers. Create a beautiful container garden filled with summer plants to take home. All materials included. Tea and cookies will be served.

**Tuesday, May 3**

**6 to 8 p.m.**

**\$55 members; \$69 nonmembers**

**Botanical Room**

**Sharon Lloyd**

**Growing Orchids: Part II (MBG)**

Are several of your orchids overgrown? Should you repot them? If so, then this class is for you. Babs Wagner will show you how to divide and repot a variety of orchids like Phalaenopsis, Dendrobiums, Cymbidiums, and more in this demonstration class. This course is appropriate for both orchid novices and enthusiasts.

**Tuesday, April 26**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Blanche Wagner**

**DIY Repot Your Orchid (MBG)**

Bring one pot-bound orchid to class, and Babs Wagner will show you the proper way to give it more room. She will also talk about sterile pruning practices, culture information, and more. Please bring your own pruners; soil and pots are provided.

**Tuesday, May 3**

**6 to 8 p.m.**

**\$33 members; \$40 nonmembers**

**Missouri Room**

**Blanche Wagner**

**A Prime Cut: A Guide to Tasteful Pruning (MBG)**

Need to prune your tree or shrub and just don't know where or when to start? Are you worried you'll take too much? Teresa will calm those fears showing you practical strategies to tackle your pruning project as she demonstrates the correct cut and location on a live shrub. Get up and personal to see how the experts shape trees and shrubs.

**Tuesday, May 10**

**6 to 8 p.m.**

**\$33 members; \$40 nonmembers**

**Center for Home Gardening Classroom**

**Teresa Pafford**

**Growing Hydrangeas in St. Louis (MBG)**

Hydrangeas are amazing shrubs that provide four seasons of interest. Anne will guide you through which species and cultivars are most successful for our area, and will cover pruning techniques and selections for best blooms. Following the presentation, Anne will take you on a tour of the Center for Home Gardening's amazing collection with tips along the way.

**Monday, June 13**

**6 to 8 p.m.**

**\$30 members; \$36 nonmembers**

**Center for Home Gardening Classroom**

**Anne Kirkpatrick**



## Behind the Scenes: Integrated Pest Management in the Garden's Greenhouses (MBG) **NEW!**

The Garden's production greenhouses are home to over 15,000 plants in the permanent collection, and over 200,000 are grown for the many annual displays. Every year, these plants must be protected from pests and diseases. Derek Lyle, nursery supervisor, is on the front lines of controlling these problems using Integrated Pest Management (IPM). Topics will include insect life cycles, home remedies for pests in your own garden, what to look for when scouting, and alternative solutions to infestations. If you are lucky, you might even spot a gecko. Space is limited so register quickly!

**Thursday, June 16**  
**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Derek Lyle**

## Plant Press: From Field to Cards (MBG) **NEW!**

Plant presses are invaluable to the Garden researchers and horticulture staff to preserve and catalog plants from around the world. Brittany North will demonstrate how to make a voucher with a plant materials using a variety of techniques, then she will explain how to make your own press using materials found around your home. At the end of class, use pressed flower and leaves to make your own cards.

**Tuesday, June 21**  
**7 to 9 p.m.**

**\$33 members; \$40 nonmembers**  
**Botanical Room**  
**Brittany North**

## Seeds to Stem: Making More Plants (MBG) **NEW!**

Have you ever wondered why you can cut a stem from a plant, put it in a glass of water, and in a few weeks the stem grows roots? If so, join this course and learn the science and skill behind seed and vegetative propagation. Using the techniques covered in the lecture, you will practice vegetative propagation with a variety of plants from the Garden's own greenhouses.

**Saturday, June 25**  
**10 a.m. to noon**

**\$33 members; \$39 nonmembers**  
**Missouri Room**  
**Justin Lee**

## MBG's Favorite Tools of the Trade (MBG)

What are the Garden horticulturists' secrets to friable, well-drained soil? Learn about these tricks and many other tools of the trade including the best pruning tools, soil mixes, and hori-hori knives in this fun and informative class filled with the staff's favorites things. Discover what tools help make the Garden gorgeous for millions of visitors.

**Thursday, June 30**  
**7 to 9 p.m.**

**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Jason Delaney**

## Delightful Daylilies (MBG)

Daylilies are excellent, tough perennials that perform superbly in St. Louis gardens. The Garden's daylily collection is a prime example of the recent explosion in types, colors, and forms. Some will flower almost all summer! In this class, Sara will discuss flower characteristics, including forms, colors, and color patterns, as well as complete information on successful planting, care, and pest control. An outdoors, hands-on division will be included in this workshop.

**Tuesday, July 12**  
**5:30 to 7:30 p.m.**

**\$33 members; \$39 nonmembers**  
**Missouri Room**  
**Sara Neil**

## Infinite Iris (MBG)

Every spring the Garden's Iris collection never fails to delight thousands of visitors. Do you want to start your own collection? Or maybe you're wondering what plagues your current iris. Mid-summer is the time to begin digging, dividing, and planting. Horticulturist and Greater St. Louis Iris Society member Sara Murphy teaches you the best techniques to care for iris and how best to combat iris pests and diseases. You'll even walk away with your own iris from the Garden with a hands-on, outdoor dividing portion in this unique workshop!

**Tuesday, July 19**  
**5:30 to 7:30 p.m.**

**\$33 members; \$39 nonmembers**  
**Botanical Room**  
**Sara Neil**

## GARDENING FOR BIODIVERSITY



## Grow a Woodland Native Wildflower Garden in the City (MBG) **NEW!**

Successfully growing wildflowers under large urban trees can be challenging, but if you mimic nature by planting ecologically adapted native species, you can enjoy a green, biodiverse landscape throughout the seasons. Several spring native wildflowers bloom before most large trees leaf out, and other shade-adapted wildflowers can thrive under low-light conditions. Join Dave Tylka and learn how to establish and maintain these shade-adapted native landscapes.

**Tuesday, March 15**  
**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Dave Tylka**

## Starting Your Pollinator Garden (BH) **NEW!**

Learn how to create a beautiful garden that will also support local pollinators. There are thousands of native pollinator species, including butterflies, bees, beetles, hummingbirds, and others that are important in your garden. We will learn which plants benefit these pollinators and will attract them into our gardens. We will also cover the general maintenance needs of a pollinator garden and discuss what care is needed in each season to keep it looking beautiful. Designed for adults only.

**Tuesday, March 29**  
**7 to 8:30 p.m.**

**\$28 members; \$34 nonmembers**  
**Lopata Learning Lab**  
**Lisa Williams**

## Monarchs and Milkweed (MBG) **NEW!**

Each fall, hundreds of millions of monarch butterflies used to migrate from the U.S. and Canada to Mexico and California for the winter. However, their only larval or caterpillar food, milkweed, has been declining due to agricultural changes, herbicides, habitat loss in cities and rural areas, and illegal logging. Without milkweed, monarch butterfly populations have plummeted, and humans may no longer be able to witness one of the greatest insect migrations in the world. Join biologist Dave Tylka to learn about the plight of these beautiful animals and how to plant milkweed gardens around your home.

**Tuesday, April 19**  
**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Dave Tylka**

## Inviting Native Bees into Your Garden (MBG) **NEW!**

Learn how to create an inviting, bee-friendly garden this spring. There are thousands of native bee species that are important pollinators in your garden. Beginning with a discussion of how to identify these pollinators, we will learn which common vegetable plants benefit from these native bees and which flowering plants will attract bees to your garden. We will also discuss the nesting sites of these bees, and you will make a native bee house to take home. The class concludes with a tour of the vegetable garden to see the pollinators at work.

**Monday, May 16**  
**6 to 8 p.m.**

**\$33 members; \$39 nonmembers**  
**Center for Home Gardening Classroom**  
**Chris Hartley**

**Toss Your Turf: Lawn <sup>NEW!</sup>****Alternatives for Your Home (MBG)**

Looking to cut your mowing time? Want to add more interest and plant variety to your yard? Join us as we dive into alternatives to turf grass that will be lower maintenance and be more visually pleasing. Includes a short walk.

**Tuesday, May 24**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

**Easy Tree ID for Beginners (MBG)**

Do you ever wonder about the trees in your neighborhood? Can you tell the difference between a native tree and an invasive thug? Maybe it's time to take a beginner's Tree I.D. class! Learn about the trees that make up your world. Join certified arborist Mike Walsh, a forester and nurseryman with Forest ReLeaf of Missouri, as he eases students into this multi-day learning experience through a PowerPoint presentation and lots of time on the Garden grounds. What better place to learn about trees than the best garden in the world?!

**3 Tuesdays: June 7, 14, 21 (Rain date 6/28)**

**6 to 8 p.m.**

**\$84 members; \$100 nonmembers**

**Botanical Room**

**Mike Walsh**

**Gardening for Hummingbirds (MBG)**

Interested in attracting hummingbirds to your garden? Learn how to create the ideal hummingbird habitat in your own yard. Take home a hummingbird-attracting plant to get you started! Includes a short walk.

**Thursday, July 7**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Sharon Lloyd**

**Invasive Plants  
in Your Yard (MBG)**

Dr. Quinn Long of the Garden's Center for Conservation and Sustainable Development will provide participants an ecological background on the issue of invasive species, followed by discussion of the worst invasive species in the St. Louis region: how they got here, why they are a problem, and explicit instructions for their control. Come ready with your own questions about invasive species.

**Tuesday, July 12**

**7 to 9 p.m.**

**\$28 members; \$34 nonmembers**

**Botanical Room**

**Dr. Quinn Long**

**Create a Critter Home (SNR) <sup>NEW!</sup>**

Create a unique garden decoration that also helps provide shelter for wildlife such as insects, lizards, toads, and more. Learn what supplies work best, how to build, and which shelters attract certain wildlife; hike down to our Sense of Wonder Woodland to view the Critter Hotel we made; then create your own to take home. All tools/materials provided, there will be design options, and all designs are small to carry.

**Friday, August 19**

**10 a.m. to noon**

**\$20 members; \$24 nonmembers**

**Carriage House**

**Rachel Weller**

More **Biodiversity-focused classes** in  
Nature Study on page 34!

**Native Plant School**

Native Plant School is a year-round series of indoor/outdoor classes in the Whitmire Wildflower Garden at Shaw Nature Reserve that covers various aspects of native landscaping. Please bring your questions, comments, drawings, and plant specimens. Participation from the audience is encouraged. Price per class. Native Plant School at Shaw Nature Reserve is underwritten by the Missouri Department of Conservation and Wild Ones Natural Landscapers.

**Pruning Native Trees, Shrubs,  
and Vines (SNR)**

Thinking about pruning this winter? Learn how to remove large branches safely, and prune dead and damaged wood and crossed branches. Also learn how to thin densely branched trees and rejuvenate shrubs. Learn when and how much to prune, and explore strategies to keep plants short and dense or tall and graceful.

**Thursday, March 10**

**1 to 4 p.m.**

**\$14 members; \$17 nonmembers**

**Carriage House**

**Scott Woodbury**

**Gardening With Native  
Groundcovers (SNR)**

Many non-native evergreen groundcovers have become invasive species in the St. Louis region including English ivy, winter creeper, and periwinkle. Many alternative native groundcovers exist and are useful for reducing maintenance. Come explore the Whitmire Wildflower Garden in search of the ideal groundcover for your garden.

**Thursday, April 14**

**1 to 4 p.m.**

**\$14 members; \$17 nonmembers**

**Carriage House**

**Scott Woodbury**

**Spring Flowering Perennials  
and Grasses (SNR)**

The world is full of showy native perennials, grasses, and sedges for gardening. This class will focus on showy and useful landscape plants that bloom in spring and demonstrate how to garden with them. Students will gain knowledge on planting design and plant placement considerations for sun and shade.

**Thursday, May 12**

**1 to 4 p.m.**

**\$14 members; \$17 nonmembers**

**Carriage House**

**Scott Woodbury**

**Flower Arranging with Native Plants (SNR)**

Bring a small to medium vase to class and take it home full of beautiful native flowers. Learn how expert flower arranger Terri Brandt creates beautiful floral arrangements using a wide array of plant materials and flowers. Class will be held in the horticulture greenhouse area at Shaw Nature Reserve

**Thursday, June 9**

**1 to 4 p.m.**

**\$14 members; \$17 nonmembers**

**Check-in at the Visitor Center for**

**directions to the greenhouse**

**Terri Brandt**

**Monarch Gardening (SNR)**

Monarchs have become the new bluebird. Learn why monarchs have declined and how we can act to help them by planting more milkweed and other plants that they depend on for nectar.

**Thursday, July 14**

**1 to 4 p.m.**

**\$14 members; \$17 nonmembers**

**Carriage House**

**Susie Van de Riet**

## EDIBLE GARDENING

**Organic Spring Vegetables (MBG)**

Start a spring vegetable garden this year using organic methods! Topics covered will include garden planning for spring, soil preparation, mulching, composting, insect control, and seed selection. Take a guided tour of the Center for Home Gardening Vegetable Garden where the spring vegetable garden is already underway, plus learn how to distinguish sprouted vegetables from weeds.

**Monday, March 14**  
5 to 7 p.m.

**\$33 members; \$40 nonmembers**  
Center for Home Gardening Classroom  
Cheryl Rafert

**Organic Summer Vegetables (MBG)**

Tomatoes, peppers, and squash—oh my! Learn how to make a great summer vegetable garden using organic methods. Topics will include garden planning, soil preparation, mulching, composting, harvesting, insect control, and seed selection. You will take a guided tour of the Center for Home Gardening Vegetable Garden and learn what works and what doesn't directly from Garden staff.

**Thursday, June 30**  
6 to 8 p.m.

**\$28 members; \$34 nonmembers**  
Center for Home Gardening Classroom  
Cheryl Rafert

**Aquaponics Demystified (MBG) NEW!**

Are you intrigued by aquaponics but don't know where to start? Gibron will give you an overview as well as tips and tricks on setting up your own aquaponics system. Learn about fish-to-water ratios, what plants grow best for harvesting, and all you need to know about water chemistry to keep your system balanced and producing awesome plants. A great introductory class!

**Saturday, May 14**  
10 a.m. to noon  
**\$28 members; \$34 nonmembers**  
Missouri Room  
Gibron Burchett

**DIY Vertical Growing System (MBG)**

NEW!

Intrigued by those towering growing columns? Learn the best ways to construction your own system using supplies available at your local hardware store. Gibron shows you how to make your own aeroponic-like system to grow wonderful greens and herbs. Get tips on creating your own compost tea or nutrient solution to feed your plants. Get excited to make your own vertical growing space at home this summer.

**Saturday, June 11**  
10 a.m. to noon  
**\$28 members; \$34 nonmembers**  
Garden Room  
Gibron Burchett

## LANDSCAPE DESIGN IDEAS

**Home Landscape Design (MBG)**

Transform your home landscape into a natural oasis that's both beautiful and beneficial to the environment. Beginning with the basics of design, you will learn about front plantings, energy conservation, and plant selection for your home. Develop a landscape plan during class for your own yard, and study plant material independently. Some gardening experience recommended. Bring photos of your yard to the first session.

**6 Wednesdays: March 16, 23, 30;**  
**April 6, 13, 20; Optional Walking**  
**tour on 3/30; 5:30 to 6:30 p.m.**  
6:30 to 9 p.m.  
**\$144 members; \$173 nonmembers**  
Botanical Room  
Randall Mardis

**Creating Your Garden's Focal Points (MBG) NEW!**

Take another look at your garden and craft a focal point that will make your neighbor's envious with simple color changes, repeating plant forms, or even adding a garden feature like a sculpture, you can refine your garden's focus. Learn some fun tips on placing outstanding plants, redirecting the view and helpful, design rules to get your garden to take shape and heading in the right direction.

**Tuesday, April 26**  
7 to 9 p.m.  
**\$28 members; \$34 nonmembers**  
Missouri Room  
Terry Milne

**Gardens Inspired by Gertrude Jekyll and the Cottage Garden Style (MBG)**

NEW!

There are many cottage style gardens but only one Gertrude Jekyll. Learn about her iconic gardens and historic designs. Hear how Garden staff are adapting her plant selection for the Midwest and installing it next fall as part of the renovations of the Garden's Gatehouse. See how the garden goes from paper to planting in the Victorian district of the garden and take a walk around the grounds.

**Tuesday, May 17**  
6 to 8 p.m.  
**\$28 members; \$34 nonmembers**  
Botanical Room  
Mariel Tribby

**The Fragrant Garden (MBG) NEW!**

Imagine strolling through your garden at sunset as the scent of fragrant peonies, roses, or tall phlox wafts through the air. Join Terry in a class to enhance your garden's aroma throughout the seasons. She will highlight fragrant shrubs, herbs, perennials, and annuals, plus share invaluable plant care advice. The class will conclude with a walk through the Garden.

**Saturday, June 25**  
10 a.m. to noon  
**\$28 members; \$34 nonmembers**  
Garden Room  
Terry Milne



## GREEN LIVING

### Shopping Resale for Sustainability – Fashion – Savings – FUN! (off-site) NEW!

Go behind the scenes at the ScholarShop, St. Louis's premiere upscale resale store. Learn how selling donated apparel achieves waste reduction, care for customer budgets, philanthropy for the non-profit—The Scholarship Foundation of St. Louis—and more. Your guides to your sustainable shopping adventure are Dana McBride, ScholarShop-Webster Groves associate manager, and "Green Jean" Ponzi, manager at the Garden's EarthWays Center and expert resale shopper. Sustainable snacks provided. Come prepared to make some fun fashion finds!

**Wednesday, March 30**

**5 to 7:30 p.m.**

**\$20 members; \$25 nonmembers**

**Meet at the ScholarShop - 8211**

**Clayton Rd., St. Louis 63117**

**Jean Ponzi**

### Technology of Single Stream Recycling (off-site)

Have you ever wondered just how your recycling is separated or how a recycling center operates? Take this tour of the Republic recycling center in Hazelwood and see just how amazing the process can be! The tour will include a full tutorial by Republic staff on how the machines operate and an up-close look at the whole process.

**Tuesday, May 3**

**6:30 to 8 p.m.**

**\$10 members; \$15 nonmembers**

**Republic Recycling Center**

**6025 Byassee Dr, Hazelwood, MO 63042**

**Stephen Herring**

### Homemade Cleaners to Go! (MBG) NEW!

Join us in making cleaning products you can make at home—save money, use less hazardous materials, and know the ingredients. Great for all, especially those wanting to remove certain products from their homes and anyone with sensitive skin, allergies, or health needs. You'll go home with two products: liquid laundry detergent and all-purpose spray cleaner. Bring your own homemade cleaning product ideas to share. Appetizers will be provided as we make our cleaners!

**Thursday, May 19**

**6:30 to 8:30 p.m.**

**\$35 members; \$45 nonmembers**

**Commerce Bank Education Center, Room 125**

**Glenda Abney and Julie McCroskey**

### Green Burial: A Better Way to Go (MBG) NEW!

Are you curious about green burial but don't know what or who to ask? Join Gracie MacDonell of St. Louis's historic Bellefontaine Cemetery as she provides a closer look at green burial practices, dispels myths, and explores some exciting and fascinating options available throughout the world. You will learn the range of "green" funeral and cemetery options available today such as "becoming a tree," what one can expect when choosing a green service, and the environmental benefits of green burial as compared to cremation and traditional burial.

**Tuesday, June 7**

**7 to 9 p.m.**

**\$5 members; \$7 nonmembers**

**Commerce Bank Education Center, Room 125**

**Gracie McDowell**

### Green Furniture Refinishing and Upholstery (MBG)

Learn how to refinish furniture! The staff of Perennial will show you how to refinish and upholster a chair using sustainable, natural strippers and finishes (and how to make your own stains!). Get away from harsh chemicals and learn how to refinish in a more natural way.

**Tuesday, June 28**

**7 to 9 p.m.**

**\$35 members; \$45 nonmembers**

**Commerce Bank Education Center, Room 125**

**Perennial Staff**

## GUIDED WALKS AND TOURS

### Behind the Scenes

#### The Garden Archives (MBG)

Get a behind-the-scenes look at the Garden archives which houses Garden records and publications, professional and personal papers, historic manuscripts, Garden photographs, oral histories, original artwork from Garden publications, and architectural drawings. Notable pieces include Henry Shaw's personal papers, letters, account books, diaries, and legal papers documenting his business transactions in St. Louis and the Garden's development. Also of interest are the George Engelmann Papers, a resource in the history of 19th century botany and exploration of the American West.

**Saturday, April 9**

**10 a.m. to noon**

**\$21 members; \$25 nonmembers**

**Meet at Ridgway Center Ticket Counter**

**Andrew Colligan**

#### Bavarian Garden (MBG)

Come learn about one of our newly renovated gardens in a spring tour of the Bavarian Garden. Learn about the challenges of growing alpine plants in St. Louis and how these tough plants adapt to their environment, and see some of these tiny gems for yourself!

**Saturday, April 23**

**10 to 11:30 a.m.**

**\$21 members; \$26 nonmembers**

**Meet at Ridgway Center Ticket Counter**

**Mariel Tribby**

#### Japanese Garden (MBG)

Experience this popular after-hours walking tour in the Japanese Garden with senior horticulturist Greg Cadice and gain a new appreciation for Seiwa-en, the "Garden of pure, clear harmony and peace." Greg will highlight features of this world-famous garden including scenic vistas, Teahouse Island, and how the horticulture staff and volunteers create an overall feeling of serenity in this special place.

**Tuesday, May 3**

**\$28 members; \$34 nonmembers**

**Meet at Ridgway Center Ticket counter**

**Greg Cadice**



### Bellefontaine Cemetery Tour (off-site)

We invite you to take an amazing bus tour which highlights champion trees, symbolic flora, and gorgeous mausoleums of famous St. Louisans guided by horticulturist Kyle Cheesborough. Take a closer look and you will see plant imagery everywhere: laurel wreaths, acanthus leaves, and fleur-de-lis. Learn their meaning as well as the stories of those people that shaped St. Louis as you tour the cemetery.

**Saturday, May 21**

**10 a.m. to noon**

**\$40 members; \$48 nonmembers**

**Bellefontaine Cemetery**

**Kyle Cheesborough**

### Waterlilies and More (MBG)

Please join horticulturist Derek Lyle on a behind the scenes tour of the aquatic plant displays. Learn the historical significance of water lilies at the Missouri Botanical Garden and the process of creating the displays from start to finish. During this class, you will have access to the aquatics greenhouse where propagation and plant production occurs. Afterwards, there will be demonstrations in the pools discussing plant maintenance and pollination techniques of the renowned Victorias. Do not forget to bring your camera as you will view the lilies in the outdoor pools during peak lighting hours. Great for photos opportunities! Sign up early as this class will fill quickly.

**Tuesday, August 23**

**5:30 to 8 p.m.**

**\$35 members; \$42 nonmembers**

**Meet at Ridgway Center Ticket Counter**

**Derek Lyle**

**The Illustrated Garden (MBG)**

Take a behind the scenes tour of the Peter H. Raven Library Rare Book Room. Learn about the history of botany and botanical illustration while viewing some of the most beautiful natural history books ever printed. We will see examples, dating from the 15th century, of wood cuts, etchings, engravings, and lithographs, many hand colored, and learn a little about the technologies of these printing processes and the master artists and craftsmen who created them.

**Saturday, March 19**

**10 a.m. to noon**

**\$28 members; \$34 nonmembers**

**The Monsanto Center, 4500 Shaw Avenue, St. Louis, Missouri 63110**  
**Doug Holland**

**Inside Look at Shaw Nature Reserve:****Daffodil Hike (SNR)**

There are literally thousands of daffodils blooming around the Shaw Nature Reserve's Pinetum Lake and the 1-mile road encircling it beginning in late March/early April each year. Hear the history of how the plants came to be here, learn about our different varieties, and view the spectacular display. Hike is a leisurely 1 mile walk on grass and pavement trails. There will be time to take pictures as well.

**Wednesday, March 30**

**10 to 11:30 a.m.**

**\$7 members; \$9 nonmembers**

**Meet at the Visitor Center**  
**Shaw Nature Reserve Staff**

**Wilderness Wagon Tour (SNR)**

Shaw Nature Reserve staff and volunteers will share the history of the Nature Reserve with you through pictures, a tour around the property, or behind the scenes in our historic buildings. Climb aboard the Wilderness Wagon for a 3-mile tour around Shaw Nature Reserve's main loop road. The tour will inform you about the history of the property and how it has changed through the years from the Gray Summit Extension, to The Arboretum, and finally to today's Shaw Nature Reserve. Our long-time staff and volunteers will narrate the tour to share our history.

**Friday, April 29**

**10 a.m. to noon**

**\$7 members; \$9 nonmembers**

**Meet at the Visitor Center**  
**Shaw Nature Reserve Staff**

**History Hike (SNR)**

There are several remnants on our property that are reminders of those who lived here in the past. We will hike to some of these places, see pictures of what used to be there, and hear stories about our history.

**Friday, May 27**

**10 a.m. to noon**

**\$7 members; \$9 nonmembers**

**Meet at the Visitor Center**  
**Shaw Nature Reserve Staff**

**Seed Bank Tour (SNR)**

To supplement its on-site plant conservation locally and globally, the Garden established a seed bank at the Shaw Nature Reserve in 2013. By the end of 2014 the facility had secured 425 wild-sourced accessions; 262 of those represented Missouri plants, supporting the seed bank's mission to collect and store the entire Missouri eco-regional flora. Come tour this unique place, meet the staff, and learn how seeds are collected and stored.

**Friday, March 11**

**10 a.m. to noon**

**\$10 members; \$12 nonmembers**

**Meet at the Visitor Center**  
**Megan Englehardt**

**Bluebells Abound! (SNR)**

In the Nature Reserve's Meramec River bottomland, a sea of Virginia bluebells blooms each spring. They are off the beaten path, but we will provide guides and transportation on the Nature Reserve's Wilderness Wagon to get you as close as possible. You will walk ¼ to 1 mile depending on road conditions. A sweet treat follows your hike. Registration required.

**Thursday, April 7**

**12:30 to 3:30 p.m.**

**\$10 members; \$12 nonmembers**

**Meet at the Visitor Center**  
**Helen McCallie**

**Don't Kill Your Perennials (MBG)**

Some information about perennial maintenance in gardening books is inappropriate for the Midwest gardener. In this 2-hour walking tour in the Center for Home Gardening gardens, June Hutson, Kemper Center supervisor, will highlight what to do this season and what not to do for the most popular perennials. Tips will include pruning, common mistakes, mulching, and getting ready for the next season. Learn how to take care of perennials from the area's top expert.

**Wednesday, May 4**

**5:30 to 7:30 p.m.**

**\$28 members; \$34 nonmembers**

**Meet at Upper Level of Center**  
**for Home Gardening**  
**June Hutson**

**Wine and Cheese Night Hike (SNR)**

Climb aboard our Wilderness Wagon for a short trip to our starting point. We will take a leisurely 1.5-mile walk along woodland and prairie trails, learning about the nighttime environment along the way. During the walk we will make a brief stop to enjoy a glass of wine (or nonalcoholic beverage) and some crackers and cheese as we enjoy the night sounds of the prairie. Dress for the weather and wear appropriate walking shoes. Sign up early! Space is very limited.

**Friday, May 13**

**7 to 9:30 p.m.**

**\$28 members; \$34 nonmembers**

**Meet at the Visitor Center**  
**Lydia Toth, Rachel Weller, and volunteers**

**The History of Collecting Plants and Our Herbarium (MBG)**

The Garden's herbarium of our 6.5 million pressed, dried, and Nature Reserved plant specimens not only informs us about the diversity of plants on Earth, but each has a history of its own. How the plants were collected and under what circumstances, both historical and environmental, is endlessly fascinating. Join Jim Solomon, curator of the herbarium, for an inside look into some of the history and historical figures represented in the Garden's herbarium from the 18th to the 20th centuries.

**Tuesday, May 17**

**7 to 9 p.m.**

**\$28 members; \$34 nonmembers**

**The Monsanto Center, 4500 Shaw Avenue, St. Louis, Missouri 63110**  
**Jim Solomon**

**Sacred Seeds: Medicinal Walking Tour (MBG)**

Take a guided tour through the Sacred Seeds Sanctuary, a garden showcasing Native American medicinal plants in their natural habitat. Your guide, Dr. Wendy Applequist, a curator of ethnobotany at the Missouri Botanical Garden, will explain the rich cultural history of Native Americans in the Missouri region, their traditions of medicinal plant use, and the legacy that these cultures have left on medicine today.

**Saturday, May 14**

**10 to 11:30 a.m.**

**\$21 members; \$26 nonmembers**

**Meet at Ridgway Center Ticket Counter**  
**Dr. Wendy Applequist**

**The Japanese Garden by Tram (MBG)**

NEW!

A brand new offering that will allow you to see the Japanese Garden from the seat of the tram. Join senior horticulturist Greg Cadice and gain a new appreciation for Seiwai-en, the "garden of pure, clear harmony and peace." Greg will highlight features of this world-famous garden including scenic vistas, and how the horticulture staff and volunteers create an overall feeling of serenity in this special place. Seating is limited. Please notify us if you need additional accommodations.

**Monday, May 2**

**5:30 to 7 p.m.**

**\$31 members; \$37 nonmembers**

**Meet at Ridgway Center Ticket Counter**  
**Greg Cadice**

**Native Wildflower and Butterfly Walk (BH)**

NEW!

Join Butterfly House horticulturists and entomologists as we explore the native wildflowers of Faust Park and the native butterflies that visit them. This course meets on the second Monday of each month for 3 months. We will explore how the plant and insect community changes over time, and discuss the ecological relationships between native wildflowers, insects, and the other animals that call Missouri home. The walks cover approximately 2 miles of level ground. Wear sturdy walking shoes.

**3 days: June 13; July 11; August 8**

**10 to 11:30 a.m.**

**\$24 members; \$29 nonmembers**

**Meet at Butterfly House Front Desk**  
**Butterfly House Staff and Docents**

# HEALTH AND WELLNESS



## Matter of Balance (MBG)

A Matter of Balance is an award-winning program designed to reduce the fear of falling and increase the activity levels of older adults who have concerns about falls. Surrounded by the beauty of the Garden, these sessions will help participants learn how to view falls and the fear of falling as something controllable. There will also be information on how to set realistic goals for increasing activity, as well as how to change their environment to reduce fall risk factors. Class will be held in the classroom and outdoors. In partnership with the University of Missouri Extension.

**8 Mondays: April 4, 11, 18, 25; May 2, 9, 16, 23**  
**10 a.m. to noon**

**\$40 members; \$48 nonmembers**  
**Garden Room / Garden Grounds**  
**Leslie H. Bertsch, MS, MPH, RD, LD,**  
**University of Missouri Extension Specialist**

## Meditations in the Garden (MBG)

Explore the treasures of the Garden through the senses during this 4-week program. Learn mindful meditations to explore the Garden through its sounds, sights, textures, and smells. Practice progressive relaxation and breathing exercises to help clear the mind of its chatter. Cultivate inner peace, restore emotional balance, and deepen your connection to the beauty of nature. Weather permitting, class will be outdoors. Moderate walking required.

**4 Fridays: April 22, 29; May 6, 13 (Rain date 5/20)**  
**9:30 to 11 a.m.**

**\$75 members; \$90 nonmembers**  
**Garden Room/Garden grounds**  
**Rhonda Leifheit**

## Beneath the Trees (MBG) NEW!

Throughout history a special relationship has existed between humankind and trees. Whether as shelter, food, symbols of beauty, strength, or inspiration, trees enrich our lives. Join us for a brief instruction in guided meditation and how trees have and continue to command respect and reverence across cultures. We will journey outside to use those skills to meditate beneath a tree that calls to you to notice what is evoked in the stillness or simply enjoy the shelter your tree provides.

**Sunday, May 1**  
**9 to 11 a.m.**

**\$28 members; \$34 nonmembers**  
**Garden Room / Garden Grounds**  
**Rhonda Leifheit**

## Reflections in the Garden (MBG) NEW!

Join us and learn mindfulness techniques you can use as we explore new ways to enter the Garden with fresh eyes and see its treasures in novel ways. Discover ways to meditate on the reflections created in the ponds, lake, and pools; observe sunlight dancing on leaves, or dewdrops mirroring the sky. View the world upside down to glimpse the belly of birds and hovering dragonflies. Learn how to allow these reflections to captivate your imagination, inspire creativity, or bring a quiet serenity.

**Sunday, May 15**  
**9 to 11 a.m.**

**\$28 members; \$34 nonmembers**  
**Garden Room / Garden Grounds**  
**Rhonda Leifheit**

## Nature Spa Day (SNR)

Spend a relaxing day out at Shaw Nature Reserve. De-stress with yoga and a leisurely hike, and create several nature-inspired items to use while here and then take home. You're welcome to bring your own yoga mat, but there will be extras available. All materials and lunch provided.

**Friday, May 20**  
**9 a.m. to 2 p.m.**

**\$35 members; \$42 nonmembers**  
**Dana Brown Overnight Center**  
**Shaw Nature Reserve and Missouri Botanical Garden Staff**

## Vinyasa Flow Yoga (SNR)

For adults only. A class for all fitness levels. We will concentrate on connecting the Ujjayi breath as you flow from one movement to the next. Bring awareness to the present as you release tension and anxiety with every exhale. Build strength, stamina, and increase your flexibility. Practicing yoga in this serene, natural setting will help you to become a more focused, relaxed, and happier you. Classes will be held in the Carriage House (which overlooks the Whitmire Wildflower Garden).

**6 Sundays May 22, 29; June 5, 12, 19, 26**  
**9 to 10 a.m.**

**\$60 members; \$72 nonmembers**  
**Carriage House**  
**Barbie Benetin**

## Garden Yoga (MBG)

Make the Garden your sanctuary with a Sunday morning yoga session amongst the flowers. Enjoy an hour-long, all-levels yoga class led by Elle Potter RYT-500, founder of St. Louis' own Yoga Buzz. Beginners are encouraged to join. Classes will be held outside, with an indoor location as a back-up in the event of inclement weather. Please bring a yoga mat.

**4 Sundays: May 29; June 5, 12, 19**  
**9:30 to 10:30 a.m.**

**\$64 members; \$77 nonmembers**  
**Missouri Room / Garden Grounds**  
**Elle Potter RYT-500**

## Tai Chi 24 Module II (SNR)

Tai Chi 24 Module II is a modified form based on the standard Tai Chi 24 form (24 moves instead of the original Tai Chi which has 108 moves). This Module II is great for those who took the original Tai Chi 24, St. Louis 24 Form, and those who want to improve their skills and increase their knowledge. It can help to relieve stress, reduce blood pressure, improve balance, boost immune system, help patients with Parkinson's disease, and provide other health benefits. Classes will be held outside weather permitting.

**10 Tuesdays: August 2, 9, 16, 23, 30; September 6, 13, 20, 27; October 4**  
**6 to 7 p.m.**

**\$70 members; \$80 nonmembers**  
**Carriage House**  
**Violet Li**

## Wednesday Walkers (SNR)

Walks build up from 1 mile to 3. At the end of 9 weeks you will have hiked most of Shaw Nature Reserve's trails, observed spring wildflowers, learned about some of the animals that live here, and made new friends. The final walk is called "Reward Wednesday" and includes a potluck gathering. Registration encouraged; walk-ins welcome. Please stop at Visitor Center to pay prior to class.

**Wednesdays in April and May**  
**10 to 11:30 a.m.**

**Included with admission**  
**Follow the signs**  
**Rachel Weller**

Be sure to check out **Happy Healthy Gardener** class on page 20!



# NATURE STUDY



## Weather Spotter (MBG)

Learn the basic tools you need to become a severe weather spotter for the National Weather Service (NWS). Starting with a blue sky, individuals are taught the basics of thunderstorm development, storm structure, what features to look for, and where to find them. What and how to report information and basic severe weather safety are also covered. This multi-media presentation is appropriate for public service as well as those interested in learning more about St. Louis weather. There is no age restriction for attending this class, but only high school age and older may sign up to be a volunteer weather spotter. This is explained in class. Minors must be accompanied by an adult. Walk-ins will be accepted on a limited basis.  
**Tuesday, March 8**  
**6:30 to 9 p.m.**  
**No charge**  
**Shoenberg Theater**  
**Jim Krampfer**

## Weather Stations: Collecting More Than Rain (MBG) NEW!

What are those upside-down, stacked white plates doing in the Garden? It's a common question from visitors at the Garden. Get the inside scoop from Brittany on how the Garden is using these data loggers and the weather station at the Center for Home Gardening to get real data from the Garden's environment. Hear how the Garden is using this information for planning, phenology, and monitoring climate change to make informed decisions about the Garden.  
**Saturday, April 16**  
**10 a.m. to noon**  
**\$28 members; \$34 nonmembers**  
**Center for Home Gardening Classroom**  
**Brittany North**

## Basics of Birding (MBG)

If you enjoy the outdoors and want to learn more about finding, observing, and identifying birds, this course is for you. Though primarily aimed at beginners, it can also be a refresher course for students who have had some experience. The 4 evening classes will be devoted mainly to learning the local birds, including songs and calls, as well as visual marks. We will also cover field guides, binoculars, organizations, and where to go birding around St. Louis. The field trips will visit two good areas with a great diversity of spring birds. You will be responsible for your own transportation and lunch, and you should expect hikes of up to 2 miles.

**4 Mondays: April 11, 18, 25; May 2**  
**7 to 9 p.m.**  
**\$180 members; \$216 nonmembers**  
**Garden Room**  
**Joseph Eades**

## Morning Bird Walk (SNR)

This early-morning walk during the height of spring migration is designed to help you see many bird species at Shaw Nature Reserve. This walk is for those who have a basic knowledge of local birds and are comfortable using their own binoculars. Bring binoculars, be prepared to hike a few miles over uneven ground, and dress for the weather. Come to one or all of the walks; each will be different. Registration encouraged. Walk-ins welcome.

**Wednesdays: April 13, 20, 27**  
**Priced per class.**  
**8 to 10:30 a.m.**  
**\$7 members; \$9 nonmembers**  
**Meet at the Visitor Center**

## Build an Eastern Bluebird Nest Box (SNR)

Make a North American Bluebird Society-style nest box for the Eastern bluebird to put out in your yard just as they begin looking for their breeding locations in our state in March and April. Take a short hike to view some of the boxes at the Nature Reserve, and go over proper placement and care. All materials provided.  
**Friday, March 4**  
**10 to 11:30 a.m.**  
**\$20 members; \$24 nonmembers**  
**Meet at the Visitor Center**  
**Rachel Weller**

## FrogWatch USA (SNR)

For ages 14 and older. FrogWatch USA™ is a long-term citizen science monitoring program of frogs and toads. As a volunteer-based monitoring program, FrogWatch gives citizens across the country an opportunity to be directly involved in gathering information that can ultimately lead to practical and workable ways to stop amphibian decline. You do not have to be a frog or toad expert to be a FrogWatch volunteer, just have an interest in frogs and toads and a willingness to participate.

**Tuesday, March 29, Friday, April 8 or**  
**Tuesday, April 12**  
**6:30 to 8:30 p.m.**  
**No charge**  
**Carriage House**  
**Lydia Toth and Rachel Weller**

## FrogWatch USA Certification (SNR)

For ages 14 and older. If you are already a FrogWatch Volunteer, why not take the next step and become a certified FrogWatch volunteer? The certification will give your data more credibility and make it even more useful in accomplishing the goals of FrogWatch USA. You can become certified by scoring a minimum of 80% on each of the following two assessments administered by your local FrogWatch USA™ Chapter: The FrogWatch Protocol Assessment and the Frog and Toad Call Identification Assessment.

**Friday, May 6**  
**6:30 to 8 p.m.**  
**No charge**  
**Carriage House**  
**Michael Dawson, St. Louis Zoo**

## Wildflower Identification and Ecology (SNR)

This course will focus on identification, relationships, and habitats of wildflowers and native grasses of the season. Beginners as well as advanced students will increase their knowledge and appreciation. Come ready for moderate hiking with notebook in hand!  
**Saturdays: April 9, May 14, June 11, July 9, August 20**  
**Priced per class.**  
**9 a.m. to noon**  
**\$18 members; \$22 nonmembers**  
**Meet at the Visitor Center**  
**Dr. James Trager**

## Spring Wildflower Walk (SNR)

Join these informal, educational walks through the colorful spring season. The Nature Reserve's excellent trail system, winding through upland and bottomland forest, is an ideal place to enjoy ephemeral spring wildflowers and other natural wonders. Past participants have found that bringing a picnic lunch can be a worthwhile treat to enjoy after the walk (optional). Registration encouraged. Walk-ins welcome.  
**Tuesday, April 12, 19, 26; May 10, 17 or 24**  
**Priced per class.**  
**9:30 a.m. to noon**  
**\$7 members; \$9 nonmembers**  
**Meet at the Visitor Center**  
**Dick and Susie Russell with Dr. James Trager**

## Wild Edibles (SNR)

Learn to identify some of the common seasonal wild edibles found in Missouri. This class includes safety tips for foraging plants, identification keys, a hike to let you practice identifying wild edibles in their environment, and the opportunity to sample a variety of raw and prepared wild foods.

**Sunday, May 15**  
**9 a.m. to noon**  
**\$24 members; \$30 nonmembers**  
**Adlyne Freund Center**  
**Dr. Catrina Adams**

## Advanced Wild Edibles (SNR)

Further your knowledge of wild edibles and other useful plants with this advanced class. Learn new ways to process and prepare wild plants, go on a brief hike to become more comfortable identifying wild edibles in their environment, and have the opportunity to practice processing techniques and sample a variety of raw and prepared wild foods.

**Sunday, May 15**  
**1 to 4 p.m.**  
**\$24 members; \$30 nonmembers**  
**Adlyne Freund Center**  
**Dr. Catrina Adams**

## Collecting and Conserving Seeds of Native Plants (SNR) **NEW!**

Seed collection is an excellent and economical way to increase the diversity of your native plant gardens, but it is also an important tool for conservation! Join the Garden's seed bank manager to learn about the ecology of seeds, procedures and protocols for seed collection, and seed storage and cleaning techniques. Take a ride on the Wilderness Wagon over to the seed bank. We'll stop and do some seed collecting on the way so you receive hands-on experience. At the seed bank you'll get to use tools to clean seeds and view the work that the Garden is doing to protect the diversity of native plant species in Missouri through the collection and storage of seeds.

**Friday, April 1**

**10 a.m. to noon**

**\$16 members; \$20 nonmembers**

**Carriage House**

**Megan Engelhardt**

## Coloring in the Collection: An Artsy Activity Just for Grown-Ups (off-site) **NEW!**

Rediscover a favorite childhood pastime while learning about the art and science behind botanical illustration! We'll kick off the evening with an hour of inspiration and information, including a tour of the Peter H. Raven Library's Rare Book Room. Then, the crayons and colored pencils come out! Coloring sheets will be selected from modern floras, as well as from the Library's own historic rare book collection.

**Thursday, April 28**

**6:30 to 8 p.m.**

**\$26 members; \$31 nonmembers**

**Meet in the Monsanto Center's lobby**

**4500 Shaw Avenue, St. Louis, Missouri 63110**

**Heidi Schmidt, Doug Holland, Lauren Peter**

## Missouri's Wild Mushrooms: Hunting, Identifying, and Cooking (SNR)

Have you ever been out in the woods and wondered if that mushroom was edible? Join Maxine Stone, author of Missouri's Wild Mushrooms, in the classroom and out in the field you will learn to identify a few poisonous mushrooms and lots of edibles.

**Saturday, May 7**

**1 to 4 p.m.**

**\$24 members; \$30 nonmembers**

**Carriage House**

**Maxine Stone**

## Wildflowers and Karst Topography of Shaw Nature Reserve (SNR)

Take a walk through Shaw Nature Reserve with wildflower and geology expert master naturalists. This course will focus on the terrestrial natural communities of the Nature Reserve and the wildflowers they support. After an introduction we will hike to see prairie, forest, and wetlands. Come ready for a 3-mile moderate hike; bring water and hiking shoes/boots, with notebook in hand! Meet at the Shaw Nature Reserve Carriage House for the beginning of the program.

**Saturday, June 4**

**9 a.m. to noon**

**\$7 members; \$9 nonmembers**

**Adlyne Freund Center**

**Master Naturalists Danny**

**McMurphy and Lillian Collins**

## Soil: The Skin of the Earth (SNR)

Can you think of anything on earth not connected to soil? Do we treat our soil like dirt? This introductory class covers the major soil components, soil texture, soil structure, soil management for your home and community, soil biology, and the magic of soil. Includes indoor demonstrations and outdoor activities. We will take soil samples at the Nature Reserve to determine soil texture, identify soil horizons, and learn about soil formation. Participants may bring a small sample of soil from their home garden or yard to determine the soil texture.

**Friday, July 8**

**10 a.m. to noon**

**\$7 members; \$9 nonmembers**

**Carriage House**

**Master Naturalist Ross Braun**

## The Prairie Pharmacy of Shaw Nature Reserve (SNR) **NEW!**

Take a walk through the prairies of the Shaw Nature Reserve to learn about the medicinal qualities of this special flora. View and learn to identify native medicinal plants plus a variety of tall-grass prairie features. Come ready for moderate 2-mile hike; bring water and hiking shoes/boots, with notebook in hand! Meet at the Nature Reserve Carriage House for the beginning of the program.

**Saturday, August 6**

**9 a.m. to noon**

**\$7 members; \$9 nonmembers**

**Carriage House**

**Master Naturalists Ross Braun**

**and Lillian Collins**

# OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY

Get outside! Get active! Explore our unique outdoor experiences such as trail running, tree climbing, geocaching, paddleboarding, and more! Please note classes are designed for specific ages and are noted in each class.



## Canopy Climb

For adults and/or families with children 8 and older. Whether you're an adventurous adult, a family of explorers, or anyone over 8 who loves climbing trees, this experience is a must-do. In this 2-hour course taught by expert instructors, you'll be introduced to the extraordinary world of recreational tree-climbing; learn tree-climbing mechanics including techniques, balance, and safety; and have the opportunity to explore different parts of a majestic tree's canopy. This course is designed for first-time climbers. Special offer for groups: Register an entire session (12 climbers) and each climber receives the member rate. Price is per climber.

**(MBG)**

**Saturdays: May 21; June 18;**

**Sundays: May 22; June 19;**

**Priced Per Session.**

**12:30 to 2:30 p.m. or 3 to 5 p.m.**

**\$35 members; \$43 nonmembers**

**Meet at climb site; see map with confirmation**

**Jon Richard and Vertical Voyages team**

**(SNR)**

**Saturdays: May 14; June 11;**

**Sundays: May 15; June 12;**

**Priced Per Session.**

**12:30 to 2:30 p.m. or 3 to 5 p.m.**

**\$35 members; \$43 nonmembers**

**Meet at climb site; see map with confirmation**

**Jon Richard and Vertical Voyages team**

## Spring Peeper Musical (SNR)

For all ages. The Nature Reserve's wetland attracts thousands of frogs during the mating season. The thunderous chorus must be heard to be believed. Join a guide for this frantic frog festival of song and learn about the different frog calls. Email Helen. McCallie@mobot.org (preferred) or call 636-451-3512 ext. 6075 to be added to the email or call list. When the spring peepers start their song, you will be contacted. Expected time frame: February 15–March 31.

**TBA**

**7:30 to 9:15 p.m.**

**Adults – \$5 members/\$8 nonmembers;**

**Students age 8 and older – \$3;**

**Children under 7 – Free**

**Meet at the Visitor Center**

## Shaw Bloom 10k/20k

### Trail Races (SNR)

For ages 16 and up. Shaw Nature Reserve and the Alpine Shop are teaming up to present the second annual run in the natural beauty of the Nature Reserve! These timed races offer a course suitable for all skill levels. Refreshments and beverages following the race. To register go to: [www.alpineshop.com/info/calendar](http://www.alpineshop.com/info/calendar)

**Saturday, March 12**

**See above website for pricing.**

**8 to 11:30 a.m.**

**Race starts near the Visitor Center**

**The Alpine Shop**

### Full Moon Night Hike for Adults (SNR)

For adults only. Join us for this 2-hour stroll through evening and into the early night. The sun will begin to set as the hike starts, but our night vision will allow us to enjoy the sights, sounds, and smells of a winter evening at Shaw Nature Reserve. Learn a bit about tallgrass prairies, woodlands, and glades as the hike passes through these ecosystems. All else excluded, the sight of the tallgrass prairie in the moonlight makes the journey to the Nature Reserve worth the time spent. This hike will cover roughly 2 miles over uneven ground.

**Wednesday, March 23**  
**7 to 9 p.m.**

**\$7 members; \$9 nonmembers**  
**Meet at the Visitor Center**  
**Rachel Weller**

### Fly Fishing for Beginners (SNR)

For ages 16 and up. Join members of the Ozark Fly Fishers for one of these beginner classes. Learn about the equipment needed to get started and basic fly-tying and rod-casting skills. Practice catch and release at Pinetum Lake where fishing is not normally allowed. All fishing equipment is provided.

**Sunday, April 24**  
**8:30 a.m. to 12:30 p.m. or 1 to 5 p.m.**

**\$24 members; \$30 nonmembers**  
**Carriage House**  
**Ozark Fly Fishers**

### Quickstart Kayaking (SNR)

For ages 16 and up. Paddling is good for the mind and the body! This 2-hour course will get you started on a lifetime of paddling enjoyment. Topics will include entering and exiting the kayak, basic paddling strokes, basic steering techniques, and safety. Enjoy the landscape of our historic Pinetum Lake as you learn or practice paddling. In partnership with the Alpine Shop. Registration required. To register go to: [www.alpineshop.com/info/calendar](http://www.alpineshop.com/info/calendar)

**Saturdays: May 14 or July 23**  
**11:30 a.m. to 1:30 p.m. or 2:30 to 4:30 p.m.**  
**\$45 members; \$45 nonmembers**  
**Pinetum Lake**  
**The Alpine Shop**

### Trail Social Run (SNR)

For ages 16 and up. These runs introduce you to plants, animals, and trails at the Nature Reserve while enjoying the company of other runners. Route is 5 miles. All paces welcome. Weather dependent. Maps available upon request. Walk-ins only; no preregistration. Please stop at Visitor Center to pay prior to run.

**Every Thursday March 3-May 26 (Except on April 14); Monday, March 14**  
**8 to 9:30 a.m.**

**Free for members; Included with admission for nonmembers**  
**Meet at the Visitor Center**  
**Rachel Weller**

### Hiking with Rover (SNR)

For all ages. This is a rare opportunity to spend time with your 4-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Hikes are on trails over rolling terrain.

Take your favorite canine companion for a nice 2-mile hike led by a Shaw Nature Reserve staff.

**Sunday, June 5**  
**5 to 7 p.m.**

**\$10 members; \$12 nonmembers**  
**Adlyne Freund Center**  
**Karen Bryan**

### Mini Hike with Rover (SNR)

If you have wanted to bring your dog for Hiking with Rover in the past but didn't know if you or your dog would be able to hike for 1 mile, this class is for you. Bring your favorite canine companion for a nice 1-hour hike led by a Shaw Nature Reserve staff.

**Sunday, April 24**  
**5 to 6 p.m.**

**\$7 members; \$9 nonmembers**  
**Adlyne Freund Center**  
**Karen Bryan**

### Blue Moon Hike with Rover (SNR) NEW!

This class can only take place once in a blue moon. Take your favorite canine companion for a nice 2-mile hike led by a Shaw Nature Reserve staff.

**Saturday, May 21**  
**7 to 9 p.m.**

**\$10 members; \$12 nonmembers**  
**Adlyne Freund Center**  
**Karen Bryan**

### Discover Nature

For women ages 14 and up. Ages 14-17 must be accompanied by an adult. This program offers the opportunity to participate in outdoor activities led by knowledgeable instructors. In partnership with the Missouri Department of Conservation. Price per person.

### Women's Archery and Edibles (SNR)

Learn, improve, or practice outdoor skills in archery and Dutch oven cooking. Lunch is provided, and dessert will be the delicious recipes we make in the Dutch ovens. Archery equipment is provided.

**Friday, June 10**  
**8:30 a.m. to 4:30 p.m.**

**\$35 members; \$42 nonmembers**  
**Adlyne Freund Center**  
**Shaw Nature Reserve Staff and Missouri Department of Conservation Staff**

### Discover Nature Families

For families with children ages 6 and older.

Ages 6-17 must be accompanied by an adult. This hands-on program offers the opportunity to participate in outdoor activities led by knowledgeable instructors. In partnership with the Missouri Department of Conservation. Price per person.

### Archery and Jerky Making (SNR)

Learn, improve, or practice outdoor skills in archery and jerky making. Lunch and jerky sampling are provided. Archery equipment is provided.

**Saturday, June 11**  
**8:30 a.m. to 4:30 p.m.**

**\$35 members; \$42 nonmembers**  
**Adlyne Freund Center**  
**Shaw Nature Reserve Staff and Missouri Department of Conservation Staff**

### Nature Navigators

For families with kids ages 6-12. Learn about nature with your family as we have fun outdoors! Each program involves an outdoor activity using our senses to discover what's around us as you master a skill. Price per person.\*

### Full Moon Night Hike for Families (SNR)

For families with kids ages 6-12. Join us for this 2-hour stroll through evening and into the early night. The sun will start to set as the hike starts, but the full moon should provide all the light needed to enjoy the sights, sounds, and smells of a spring evening at the Nature Reserve. Participants will play a series of sensory-based games that test the senses. In addition, you'll learn a bit about the various ecosystems of the Nature Reserve. All else aside, the sight of a full moon rising over acres of tallgrass prairie makes the journey worth the time spent.

**Friday, April 22**  
**7 to 9 p.m.**

**\$7 members; \$9 nonmembers**  
**Meet at the Visitor Center**  
**Rachel Weller**

### Fishing for Invertebrates (SNR)

For families with kids ages 6-12. Bring your water shoes and get ready to explore! We'll hike to Brush Creek and Wolf Run Lake to collect macroinvertebrates. Learn about these habitats, aquatic food chains, and more. Hike is 2 miles on easy terrain. Nets provided.

**Friday, April 22**  
**1 to 4 p.m.**

**\$7 members; \$9 nonmembers**  
**Carriage House**  
**Master Naturalists Geoff Stillwell and Besa Schweitzer**





## Nature Navigators continued...

**Kid's First-Time Fishing (SNR)**

Fishing is not normally allowed at the Nature Reserve, but the Missouri Department of Conservation is teaming up with the Nature Reserve to provide a special fishing experience for first-time or young anglers (6 to 12 years old) wanting more experience. Equipment, bait, and assistance will be provided. Fishing is for kids only. A parent or guardian must be present. Kids can choose to catch and release or watch fish-filleting demonstrations and eat their fried fish or take it home. Refreshments provided.

\*Price per child.

**Saturday, June 4  
9 to 11:30 a.m.**

**\$12 members; \$14 nonmembers**

**Pinetum Lake**

**Shaw Nature Reserve Staff and Missouri  
Department of Conservations Staff**

**Geocaching (SNR)**

For families with kids ages 6-12. You will learn navigation basics, how to use a GPS, what geocaching is, and practice finding a cache before going out on the trail to find the 8 hidden caches. GPS units provided.

**Friday, June 24, Wednesday, July 20 or  
Friday, July 22**

**9:30 to 11:30 a.m.**

**\$5 members; \$7 nonmembers**

**Meet at the Visitor Center**

**Rachel Weller**

**Dig in! Have Fun with Soil (SNR)**

For families with kids ages 6-12. Soils are alive. Meet and play with living soil animals, paint a picture with soil, and touch quicksand. Discover what mud is, and learn about the magic of soil texture and structure. Can you think of anything on earth that is not connected to soil? Everything we eat, wear, or play with comes from soil. Participants may bring a small sample of soil from their home garden or yard to determine if it is clay, silt, sand, or loam. This class will also give you dirt-tastic ideas for science fair projects!

\*Price per child.

**Friday, July 15**

**9:30 to 11:30 a.m.**

**\$7 members; \$9 nonmembers**

**Carriage House**

**Master Naturalist Ross Braun**

**River Trail Adventure (SNR)**

For families with kids ages 6-12. Climb aboard the Wilderness Wagon and we'll ride to the Trail House where the evening's adventure begins! Participants will learn about animals that are active during dusk as we hike down to the Meramec River gravel bar to explore and enjoy a campfire treat. Be prepared to hike up to 1.5 miles over uneven ground.

**Friday, July 15**

**6:30 to 9 p.m.**

**\$10 members; \$12 nonmembers**

**Meet at the Visitor Center**

**Lydia Toth and Rachel Weller**

**Stand-Up Paddleboard (SNR)**

For ages 16 and up. Get in on the action in the hottest trend in the paddle sports: paddleboarding. These stand-on boards are versatile, fun, and exciting. This class will show you the different boards that are available, how to get on and off the board safely, and various paddle strokes used in propulsion and steering all while enjoying the beauty of Pinetum Lake. Registration required. To register go to: [www.alpineshop.com/info/calendar](http://www.alpineshop.com/info/calendar)

**Saturday, August 13**

**11:30 a.m. to 1:30 p.m. or 2:30 to 4:30 p.m.**

**\$45 members; \$45 nonmembers**

**Pinetum Lake**

**The Alpine Shop**



To register go to [www.mobot.org/classes](http://www.mobot.org/classes)

## YOUTH AND FAMILY

## AGES 6 AND UNDER

**The Little Years**

The "Little Years" series is designed for parent-and-child experiences at 3 St. Louis area sites: Missouri Botanical Garden, Butterfly House, and Shaw Nature Reserve. This series places the focus on your child, you, and the wonders of nature while preparing your child for preschool and kindergarten. Your child will learn skills such as taking turns, listening to the teacher and their friends, sharing, and making choices. Each class in all series includes hands-on activities, songs, stories, snacks, and a short walk. Price per child. One adult per child please.

**Little Sprouts (ages 2-3); Missouri Botanical Garden**

**Little Bugs (ages 2-4); Butterfly House**

**Little Nature Explorers (ages 3-5); Shaw Nature Reserve**

**Little Sprouts:  
Spring (MBG)**

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. Each session includes indoor, hands-on activities, songs, stories, snacks, and a walk in the Garden. This spring we will visit a special garden each week, including the Climatron, Scented Garden, Kemper Vegetable Garden, and Prairie Garden. Price per child.

**10 to 11:30 a.m.**

**\$105 members; \$126 nonmembers**

**Botanical Room**

**Kelly Wehrheim**

**Monday Series**

**7 Mondays: April 11, 18, 25; May 2, 9, 16, 23**

**Tuesday Series**

**7 Tuesdays: April 12, 19, 26; May 3, 10, 17, 24**

**Wednesday Series**

**7 Wednesdays: April 13, 20,  
27; May 4, 11, 18, 25**

**Little Sprouts: Summer (MBG)**

For ages 2 to 3. Learn about plants and nature with your toddler during this 4-week series. This summer we will use our senses to explore a new part of the Garden each week.

**10 to 11:30 a.m.**

**\$60 members; \$72 nonmembers**

**Botanical Room**

**Kelly Wehrheim**

**Monday Series**

**4 Mondays: June 6, 13, 20, 27**

**Tuesday Series**

**4 Tuesdays: June 7, 14, 21, 28**

**Wednesday Series**

**4 Wednesdays: June 8, 15, 22, 29**

To register go to [www.mobot.org/classes](http://www.mobot.org/classes)

### Little Nature Explorers (SNR)

For ages 3 to 5. Early childhood peer interaction is key to early development. Take one class or take them all. Register by March 1, 2016 for 3 or more Little Nature Explorer classes, and your child will receive a t-shirt! Price per child. **9:30 to 11:30 a.m.** **\$12 members; \$15 nonmembers** Check-in at the Visitor Center  
Karen Bryan



Fun with Weather  
Tuesday, April 12

Wiggle Worms  
Saturday, April 16

All About Seeds  
Tuesday, April 26

Nature's Babies  
Tuesday, May 10

Buggy Bugs  
Tuesday, May 17

Let's Explore  
Tuesday, May 24



### Little Bugs (BH)

Bring your child to learn about butterflies and create unique works of art together. This class meets weekly for 6 weeks, and each week we will learn about a different insect. Each session includes hands-on crafts, a snack, a story, and a walk through the butterflies. When the weather allows, we will walk outside as well. One adult per child please. Price per child. **10 to 11 a.m.** **\$90 members; \$108 nonmembers** Lopata Learning Lab  
Chris Hartley



### Spring Series (BH)

This spring we will learn about butterflies, caterpillars, bees, ladybugs, cockroaches, and spiders.  
**6 Wednesdays: April 6, 13, 20, 27; May 4, 11**

### Summer Series (BH)

This summer we will learn about butterflies, fireflies, ladybugs, and dragonflies.  
**4 Thursdays: June 2, 9, 16, 23**

### INSECTercize (BH)

For ages 12 months to 4 years. Move and shake with your toddler at The Butterfly House! Wake up during the first half of the class with news about insects, puzzles, and visiting with each other. Then it is time for Butterfly Warm-ups and INSECTercise. Each class will feature learning about a new insect and mimicking how they move while listening to bug-themed songs. This class meets weekly for 4 weeks. One adult per child please. Price per person. **4 Tuesdays: June 7, 14, 21, 28** or **4 Tuesdays: August 2, 9, 16, 23** **9 to 10 a.m.** **\$50 members; \$60 nonmembers** Lopata Learning Lab  
Drenda Underwood and Leslie Casel

### Tykes Trek (SNR)

For ages 3 to 5. You are your child's best guide to the outside, and early childhood is a great time to introduce your child to the outdoors. Come join us as we take advantage of natural events here at Shaw Nature Reserve as we hike, explore, and discover nature with activities along the way. Each week we will go to a different place. Take 1 class or take them all! Bring a picnic lunch for after class and explore on your own our Sense of Wonder Woodland. Class will be canceled if it rains. **Mondays: April 11 - June 20** **Price per class and per child.** **9:30 to 11 a.m.** **\$7 members; \$9 nonmembers** Meet at the Visitor Center  
Karen Bryan

### Garden Buds: Spring

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Price per child, per class. One adult per child please. Register by March 4 for 3 or more Spring Garden Buds classes and your child will receive a free t-shirt! **Thursdays: 10 to 11:30 a.m. Kelly Wehrheim** **Sundays: 1 to 2:30 p.m. Sharon Lloyd** **\$16 members; \$19 nonmembers** Botanical Room

### Tropical Treats (MBG)

Did you know that many of our yummy treats come from plants in the tropical rainforest? Come along as we explore in the Climatron and then make some of our very own delicious tropical treats! **Sunday, March 6 or Thursday, March 10**

### A Walk in the Woods (MBG)

Spring comes to life in the English Woodland Garden. Come along and see the woods wake up from winter. We'll learn about all the critters that call the woods their home, and why they think it is such a great place to live. **Sunday, March 13 or Thursday, March 24**

### Sweet Spring Smells (MBG)

What is that wonderful smell? Spring means new growth, flowers, rain, and sweet spring smells! We'll use our senses as we explore all the signs of spring in the Garden, and make an aroma-filled craft to remind us of our visit. **Thursday, March 31 or Sunday, April 3**

### The Giving Tree (MBG)

Help us celebrate Earth Day and Arbor Day by discovering all the treasures we get from trees. We'll eat tree treats and go on a short hike in search of trees. We will also learn different ways we can take care of trees and the environment. **Thursday, April 14 or Sunday, April 17**

### Buzzing and Blooming (MBG)

Let's discover why bees and flowers are such great friends! We'll learn about pollination as we pretend to be bees and go on a flower hunt. Then we'll pot some flowers to take home. **Thursday, April 21 or Sunday, April 24**

### Veggie Tales (MBG)

Every vegetable has a story to tell! Join us as we see how different vegetables grow, create some veggie art, and sample a garden buffet. **Sunday, May 15 or Thursday, May 19**

### Garden Buds: Summer Saturdays

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Price per child. One adult per child please. Register by May 16 for 3 or more Garden Buds Summer Saturday classes and your child will receive a free t-shirt. Price per class. **\$16 members; \$19 nonmembers** Botanical Room  
Sharon Lloyd

### A Gnome Home/Fairy Garden (MBG)

Back by popular demand! After a visit to the English Woodland Garden we will each create our own tiny container garden to take home. Let your imagination soar as you design your tiny treasure. **Saturday, June 11** **10 to 11:30 a.m. or 1 to 2:30 p.m.**

### Watercolor in the Garden (MBG)

This class will allow you to capture your own interpretation of the beauty of the garden. We will dabble with brushes and watercolor paints as we sit in the Garden. **Saturday, June 18** **10 to 11:30 a.m. or 1 to 2:30 p.m.**

**The Pizza Garden (MBG)**

Do you love pizza? Come learn how to grow those delicious pizza toppings at home with tomatoes, basil, and peppers. Make your own special pizza creation for our snack and plant up some veggies to take home and grow for your very own home pizza garden.

**Saturday, June 25**

**10 to 11:30 a.m. or 1 to 2:30 p.m.**

**Marvelous Monarchs (MBG)**

We will learn all about the monarch butterfly... its life cycle, migration, and how you can help them at home by planting butterfly-friendly plants or a whole butterfly garden. We will pot up a butterfly-friendly plant to take home.

**Saturday, July 9**

**10 to 11:30 a.m.**

**Plant Detective (MBG)**

Do you see what I see? Become a young plant detective as we head out to the Garden with our magnifying glasses to discover the many things that are hanging around including manufactured things, natural items like plants, seeds, and tiny living creatures.

**Saturday, July 16**

**10 to 11:30 a.m.**

**Bugs, Bugs, Lady Bugs! (MBG)**

Discover wonderful insects like the ladybugs! Learn about their importance and how to encourage them to live in your garden through the use of safe garden practices. We will enjoy a fun snack and paint a beautiful garden ladybug to take home.

**Saturday, July 23**

**10 to 11:30 a.m.**

**AGES 6 AND UP****Great Green Adventures**

For ages 6 to 12.

Sign up now or just drop in to explore a special area of the Garden. Price per child; 3 children per adult.

**10:30 to 11:30 a.m. or 1:30 to 2:30 p.m.**

**Free for members; \$3 with Garden**

**Admission for nonmembers**

**Meet at Children's Garden ticket fort\***

**Kelly Wehrheim**

**Getting the Garden Ready (MBG)**

Let's explore the vegetable garden before it's planted. What would you plant in your very own vegetable garden?

**Saturday, March 19**

**\*Meet at Sphoerer Plaza**

**Getting to Know Trees (MBG)**

Let's celebrate Arbor Day by getting to know some of the Garden's trees.

**Saturday, April 16**

**Around the Pond (MBG)**

Join us as we explore around the pond and find out what plants and animals call the pond their home.

**Saturday, May 21**

**What's all the Buzz About? (MBG)**

Insects are an important part of any garden, but what do they really do? Let's search the Garden for insects and learn ways we can help them at home.

**Saturday, June 18**

**Sculptures in the Garden (MBG)**

Join us as we search the Garden for sculptures. What type of sculpture would you put in your garden?

**Saturday, July 16**

**Wonderful Water Lilies (MBG)**

Join us as we visit the water lily pools and try our hand at watercoloring these amazing plants.

**Saturday, August 20**

**FAMILY PROGRAMMING****Smart Cycling 101:****NEW!****Bike Safety Class (MBG)**

Do you commute via bike or ride for fun? Would you like to? Want to feel more confident biking on city streets? If so, we have the perfect training course for you! Join Jennifer Carter, a local League of American Cyclists Certified Instructor, for a Smart Cycling 101 course designed to help community members learn tips, tools, and techniques to ride safely and comfortably. This all-level course will include a presentation and parking lot drills. Presentation topics include routine maintenance, recommended gear, tips for riding at night and in inclement weather, signaling, scanning, and principles of traffic law. Bring your bicycle, helmet, and a lock. There will be an optional group ride after the class is completed. Must be able to ride a two-wheeled bike.

**Tuesday, May 10**

**6:30 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**

**Commerce Bank Education Center, Room 125**

**Jennifer Carter**

**Paper Making (Putting Junk Mail to Good Use) (MBG)**

For families with children ages 4 and older. Bring your family and transform your junk mail into something beautiful that you would be happy to use. Bring in your junk mail and learn how to recycle it to make your own paper. The staff of Perennial will take you step by step through the process of creating something beautiful out of your old junk mail. Price includes one adult and one child. One adult per child please.

**Saturday, June 18**

**Noon to 2 p.m.**

**\$35 members; \$45 nonmembers**

**Commerce Bank Education Center, Room 125**

**Perennial Staff**

**Bookworm Breakfast with the Very Hungry Caterpillar (BH)**

For families with kids of all ages. It's Bookworm Breakfast featuring The Very Hungry Caterpillar! You'll be munching on a smorgasbord of all The Very Hungry Caterpillar's favorite foods. Guests will meet live caterpillars and butterflies, listen to readings of Eric Carle's The Very Hungry Caterpillar book, and explore our interactive Bug Stations. This special day will be captured by a souvenir photo with The Very Hungry Caterpillar! Reservations are required and space is limited. Price per person. Free for ages 12 months and younger.

**Saturday, April 23 or Sunday, April 24**

**9 to 10 a.m.**

**\$15 members; \$20 nonmembers**

**Meet at Butterfly House Front Desk**

**Butterfly House Staff**

**Fancy Tea with Mommy and Me (BH)**

For families with kids of all ages. We are feeling fancy at The Butterfly House! Grab your favorite gal and join us for a tea party. We'll be eating tasty treats and sipping delightful drinks. No party would be complete without some fabulous take-home favors. Learn about our beautiful and fancy butterflies at this "can't miss" party. Reservations are required, and space is limited. Price per person. Free for ages 12 months and younger.

**Sunday, May 1 or 2 to 3:30 p.m.**

**\$15 members; \$20 nonmembers**

**Meet at Butterfly House Front Desk**

**Butterfly House Staff**

**Father's Day: Let's Build an Insect Hotel (BH)**

For families with kids ages 3 and older. Dads can work with their child to build a unique insect hotel for their yard. Insect hotels attract beneficial insects such as ladybugs and stingless bees by giving them shelter. They are also wonderful decorations for any yard as they add an unusual artful touch. What better way to celebrate Father's Day than to help our insect friends together? Price is per child. One adult per child please. All materials provided.

**Sunday, June 12**

**10:30 a.m. to noon**

**\$32 members; \$38 nonmembers**

**Meet at Butterfly House Front Desk**

**Chris Hartley**



**Shaw Family Adventures**

For families with kids ages 3 to 10.

Join us for an adventure and get hands-on with nature! Each class includes outdoor activities for your family to learn together about the plants, animals, and outdoor skills at the Nature Reserve. Price per child. One adult per child please.

**9:30 to 11:30 a.m.**

**\$7 members; \$9 nonmembers**

**Meet at the Visitor Center**

**Shaw Nature Reserve Staff**

**Egg Scavenger Hunt (SNR)**

Spring is the season of eggs – bird eggs, frog eggs, turtle eggs, and more! Hike to search for eggs, learn about the animals that laid them, hear a story, and dye an egg from natural materials to take home.

**Friday, March 25**

**Migration Maze (SNR)**

April is the time for birds to come back from their winter home. We'll hear a story, play games (try not to get too turned around in the migration maze), and make a craft.

**Friday, April 15**

**Mother Nature (SNR)**

Go for a hike, hear a story, take a family photo, decorate your own picture frame with natural items, and celebrate moms!

**Friday, May 6**

**Bookworm Ramble (SNR)**

Join us as you explore our Sense of Wonder Woodland, hear a children's story, read as you follow the Storybook Walk and check out our hands-on activities.

**Wednesday, June 8**

**On The Water's Edge (SNR)**

This class is based on the book *Around the Pond: Who's Been Here?* by Lindsay Barrett George. We'll visit Wolf Run Lake, do hands-on activities, and explore who lives in the water and who lives on the land.

**Thursday, June 9**

**Letterboxing (SNR)**

Letterboxing combines hiking, treasure hunting, and creative expression into an activity that the whole family can enjoy. Join us as we seek out hidden letterboxes, following clues and recording our discoveries in a personal journal that we make. Learn how to discover other letterboxes hidden throughout the United States. Please bring your own notebook and a rubber stamp (1 per family or 1 per child).

**Tuesday, June 14**

**SNR Critters (SNR)**

What critters live here at Shaw Nature Reserve? What is unique about them? We'll explore using hands-on activities as we hike to find who lives here.

**Wednesday, June 15**

**Fairy Houses (SNR)**

This program, based on the children's book *Fairy Houses* by Tracy Kane, will shed some light on questions about fairy houses. Construct your own miniature house for a fairy, troll, gnome, or any other creature that may live in the woods at the Nature Reserve.

**Thursday, June 16**

**Creek Stomp (SNR)**

Grab your creek shoes and come explore Brush Creek with us! We will see what kinds of critters live in the creek. Prepare to walk 3/4 of a mile (round trip).

**Friday, June 17, Tuesday, June 21 or Thursday, June 23**

**Wilderness Wagon Ride (SNR)**

Hear a story, search for signs of summer during your scavenger hunt wagon ride, and enjoy a cool treat.

**Wednesday, July 27 or Friday, August 5**

**Nature Detectives Club for Families (SNR)**

For families with kids of all ages. Our lives can be so hectic: children going from one event to another, parents chauffeuring children, and grandparents trying to keep up with everyone's activities. Let's pause and discover the natural wonders at Shaw Nature Reserve with your family. This "club" is designed for families who like to get outside, hike, learn, and explore together. Hands-on activities will be geared to 6-8 year olds, but there really is something for everyone! Topics will vary from aquatic studies to letterboxing. Information will be sent prior to the outing.

Price per person.

**\$7 members; \$9 nonmembers**

**Meet at the Visitor Center**

**Karen Bryan**

**Saturday, March 19**

**5 to 7 p.m.**

**or**

**Saturday, April 16**

**1 to 3 p.m.**

**Flashlight Night Hike (SNR)**

We'll read a story, play a game, make a craft, and take a hike in the early evening using flashlights to find items from our story.

**Friday, July 29 or Friday, August 12**

**6:30 to 8:30 p.m.**

**\$7 members; \$9 nonmembers**

**Carriage House**

**Shaw Nature Reserve Staff**

**Lightening Bug Night Hike (SNR)**

For families with children ages 3-12.

Climb aboard the Wilderness Wagon for a trip to the tall grass prairie. From there we'll hike up to the prairie observation platform to view the lightening bug display. Seeing their numerous lights dancing around the wetlands below is a rare treat. We'll enjoy a beverage and learn about these magnificent creatures before our hike back down to the wagon. Ages 2 and younger can tag along and are free. Price per person.

**Friday, June 3**

**8 to 9:30 p.m.**

**\$10 members; \$12 nonmembers**

**Meet at the Visitor Center**

**Rachel Weller**

**Discover Nighttime Insects: Blacklighting (BH)** NEW!

For families with children age 6 and older. Come explore the wonderful insects that fly at night that we do not see during the day. Our entomologists will be setting up black lights to attract night-flying insects from miles away. This one-of-a-kind experience will give you a chance to closely observe rarely seen nocturnal insects that come to our light. Sightings may include large moths, beetles, walking sticks, and other fascinating insects. Collecting kits, including a good-quality net, collecting jar, and an identification guide to Missouri butterflies and moths will be available for purchase for \$30. The class also includes ice cream and drinks. Wear comfortable walking shoes and dark-colored clothing. Please bring one flashlight per person. Price per child. One adult per child please.

**Saturday, July 16**

**8:30 to 11 p.m.**

**\$40 members; \$50 nonmembers**

**Meet at Butterfly House Front Desk**

**Chris Hartley and Tad Yankoski**

### Nature-Loving Families

For families with kids ages 6 and older. Join us as we use Nature's Notebook to explore and learn about nature all while helping scientists and researchers gain knowledge about the plants and animals in our local area. Nature's Notebook is a plant and animal phenology observation program of the USA National Phenology Network ([www.usanpn.org](http://www.usanpn.org)). This series of classes will meet multiple times throughout the year, featuring seasonal guided walks, citizen science experiences, and ways to contribute the data you collect for scientific discovery. During each class we will learn about a new topic that can be observed using Nature's Notebook as well as continue to collect data for the previous topics. We'll have fun outdoors and learn about phenology as we become citizen scientists and better stewards of our local environments. Price per person.

**10 a.m. to noon\***  
**\$6 members; \$8 nonmembers**  
**Botanical Room\***  
**Kelly Wehrheim**

### Nature's Notebook (MBG)

Join us as we begin our investigation of some key plants and animals in the Garden.  
**Saturday, April 2**  
**\*10 to 11 a.m.**

### Celebrate Urban Birds (MBG)

Join us as we learn about and observe urban birds and continue our investigation of the key plants and animals in the Garden.  
**Saturday, May 14**  
**\*Meet at Spoehrer Plaza**

### The Great Sunflower Project (MBG)

Join us as we learn about the many pollinators that visit our plants and the important role they play in the Garden.  
**Saturday, August 6**

### Keeper for a Day (BH)

For ages 8-12. Students will get an opportunity to go behind the scenes and see what is involved in our animal care. Working alongside our entomology and education staff, students will assist with husbandry and general care of our animals and participate in animal handling and demonstrations for the public. This program will give students an understanding of the challenges and skills necessary for taking care of live arthropods. Each participant will receive a name badge, t-shirt, and mounted butterfly to take home.  
**To schedule a date call (636) 530-0076 ext. 10**  
**8 a.m. to noon**  
**\$100 members; \$120 nonmembers**  
**Meet at Butterfly House Front Desk**  
**Butterfly House Staff**



## SPECIAL EVENTS

### March Morpho Mania (BH)

Explore the beautiful blue morpho's home as we transform our building into a rainforest. Experience the sights and sounds of the rainforest while you play with tropical-themed activities and games. Then, step into our Tropical Conservatory to see more than 2,000 blue morpho butterflies in flight!

**Each day in March, closed Mondays**  
**10 a.m. to 4 p.m.**

**Meet at Butterfly House Front Desk**  
**Butterfly House Staff**

### Spring Fling (BH)

Join us every weekend in April as we celebrate the important pollinators that help to make our gardens grow! Each week, we will highlight a different beneficial insect through fun facts, crafts, games, and other family-friendly activities. We will also have a native plant sale during this event. Come and learn more about bees, ladybugs, bats, and of course, butterflies! Most activities are included in admission.

**Weekends in April: April 2, 3,**  
**9, 10, 16, 17, 23, 24, 30**  
**10 a.m. to 3 p.m.**

**Meet at Butterfly House Front Desk**  
**Butterfly House Staff**

### Shaw Wildflower Market (SNR)

Choose from the widest selection of native plants available in the metro St. Louis area. Browse hundreds of varieties of annual and perennial wildflowers, ferns, trees, and shrubs to use in home landscaping and to attract wildlife, along with both showy and hardy plants for sun or shade. Beer, wine, cheese, meats, and more will also be available for purchase. Members shopping on May 6th 4 to 7:30 p.m.

**Saturday, May 7**  
**9 a.m. to 4 p.m.**

**Free for members; Included with admission for nonmembers**  
**Follow the signs from the entrance**  
**Shaw Nature Reserve Staff**

### Firefly Festival (BH)

Our popular celebration of Earth's living lanterns returns! Join us for firefly crafts and firefly games, and don't miss the Tropical Conservatory lit up for our glow walk. Then join our entomology staff on an outdoor walk to see real fireflies. This magical celebration is sure to fill quickly, and preregistration is required. Ages 2 and under are free. Please bring one flashlight per person.

**Wednesdays: June 8, 15, or 22**  
**Priced Per Class**  
**8 to 9:30 p.m.**  
**\$12 members; \$14 nonmembers**  
**Meet at Butterfly House Front Desk**  
**Butterfly House Staff**

### Paper Kite Butterfly Family Sundays (BH)

Experience flight and wonder as we celebrate the paper kite butterfly. Watch paper kite butterflies fly throughout our Tropical Conservatory, and decorate your very own kite to take home. Have fun while learning what makes kites and butterflies soar.

**Sundays: August 7, 14, 21, 28**  
**10 a.m. to 3 p.m.**  
**Included with regular admission**  
**Meet at Butterfly House Front Desk**  
**Butterfly House Staff**





a division of the  MISSOURI BOTANICAL GARDEN

The EarthWays Center promotes sustainability through environmental education and by improving the built environment. Our classes connect people to plants and range from green living topics such as energy efficiency and solid waste reduction to local foods and building sustainable communities. Join us at one of these fun, educational, and sustainable classes!

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Make Natural Dyes at Home	5
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Learn more at  
[www.mobot.org/ewc](http://www.mobot.org/ewc)



“Teaching children about the natural world should be treated as one of the most important events in their lives.” -Thomas Berry



# CONNECTING SCOUTS TO NATURE

## Programs & Workshops



Explore the world of insects, become a naturalist, or get your hands dirty planting a seed! Scouts enjoy a variety of hands-on, nature- and STEM-based programming at all three of our sites: the Missouri Botanical Garden, Shaw Nature Reserve, and Sophia M. Sachs Butterfly House.

Programs are aligned with badge and award requirements.

- Programs for Troops
- Badge Workshops for Individuals
- Merit Badge Skill Centers for Boy Scouts
- Overnights at the Missouri Botanical Garden and Shaw Nature Reserve

Find the perfect fit for your group at  
[www.mobot.org/scouts](http://www.mobot.org/scouts)

To register go to [www.mobot.org/classes](http://www.mobot.org/classes)



"You and your staff did an excellent job on all aspects. The hike, the program, the food, the campfire were all great... It was a great experience and I will highly recommend it."  
—Cub Scout Leader



"The program was engaging and the girls learned valuable information regarding the world in which they live."  
—Girl Scout Troop Leader

To register go to [www.mobot.org/classes](http://www.mobot.org/classes)

## CLASS INFORMATION/POLICIES

PLEASE BE SURE TO CHECK THE LOCATION OF YOUR CLASSES.

### Location of Classes:

Site maps are available at [www.mobot.org/classes](http://www.mobot.org/classes). You will receive confirmation via email or regular mail. Please refer to that for details about class location.

### Class Information and Material Lists:

Individual class details and material lists are available online at [www.mobot.org/classes](http://www.mobot.org/classes) within each individual class listing.

### Wait List:

If your confirmation states that you are on the wait list, you will be called or emailed if an opening occurs.

### Registration End Date:

Indicates when registration is closed, if the class has met the minimum enrollment. Full classes remain open for registrants to be wait listed. If the wait list becomes extensive, registration will end and the registration end date will be adjusted.

### Inclement Weather:

Participants should come dressed for the weather. Most classes are held rain or shine. If we are unable to hold a class due to inclement weather, you will be notified and receive a full refund.

### Dismissal Policy:

The Missouri Botanical Garden is committed to offering the highest quality educational experience to all its students. To ensure a quality experience, the Garden reserves the right to dismiss any participant for any reason without refund.

### Recording Classes:

Participant agrees not to use commercially any video, photography or reproduction in any form taken at the Garden.

### Photo Policy:

Participants grant permission to the Garden and its designees to utilize participant's image, likeness, actions, or statements in any form taken during a visit to the Garden or its family of attractions for the purpose of promoting the Garden and its family of attractions in perpetuity.

### Cancellations/Refunds:

- For cancellations more than 5 business days prior to the class, a full refund, minus a \$5 processing fee, will be issued, unless otherwise noted. NO REFUND FOR LESS THAN \$10
- Refunds cannot be issued for missed classes or cancellations fewer than 5 business days prior to class date.

*A business day is defined as Monday through Friday 8:30 a.m. to 5 p.m., no Saturdays, Sundays, or federal holidays. Please consider your payment a donation to the Garden.*

- For overnight program refunds, cancellations must be made at least 2 weeks prior to the program. Refunds cannot be issued for cancellations fewer than 2 weeks or missed programs.
- Many classes will allow you to send an alternate participant if you are unable to attend. Please call (314) 577-9506 prior to class.
- If the Missouri Botanical Garden must cancel a class, you will be notified and receive a full refund.
- Participants are encouraged to register early, as programs with insufficient registration (depending on type of class) will be canceled approximately 5 days before the scheduled start date (overnights, 2 weeks). A full refund will be issued in this case.
- A transfer to another class is handled as a refund and is subject to the above policy.

### Questions:

For questions and online process information, please call (314) 577-9506 or email [classes@mobot.org](mailto:classes@mobot.org).

For individual questions at Shaw Nature Reserve call (636) 451-3512 x 6007, Butterfly House call (636) 530-0076 x 13 and for Missouri Botanical Garden call (314) 577-9506.

## Registration Form

Name: \_\_\_\_\_ Gender\*: \_\_\_\_\_

Child's name and age (if applicable): \_\_\_\_\_ Gender\*: \_\_\_\_\_

Address: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Email: \_\_\_\_\_

\* Gender information needed only for overnight programs.

Course Name	Attendee	Location	Date	Fee

PAYMENT OPTIONS (please check one):

Please check one: ☐ Member ☐ Nonmember ☐ Staff ☐ Volunteer

Missouri Botanical Garden Member ID: \_\_\_\_

Payment Method: ☐ Check ☐ Visa ☐ MasterCard ☐ Discover

Card #: \_\_\_\_\_

Exp: \_\_\_\_\_ 3-Digit Verification Code: \_\_\_\_\_

Signature: \_\_\_\_\_

Mail to: Missouri Botanical Garden, Education Division, P.O. Box 299, St. Louis, MO 63166

Notice: Classes may be photographed and/or recorded for use by the Garden in its communications efforts. Students wishing not to be photographed or recorded should inform the photographer.



**Give the gift of knowledge!**

Education Gift Certificates available! Call Carol at (314) 577-9506

## CLASSES ARE ALSO OFFERED AT:

Commerce Bank Center for  
Science Education  
4651 Shaw Blvd.  
St. Louis, MO 63110

Shaw Nature Reserve  
Hwy 100 at I-44 (exit 253)  
P.O. Box 38  
Gray Summit, MO 63039  
(636) 451-3512

Sophia M. Sachs Butterfly  
House  
15193 Olive Blvd., Faust Park  
Chesterfield, MO 63017  
(636) 530-0076  
(Maps are available online)



Registration  
Starts  
**February 1.**  
Sign up online at  
[mobot.org/Classes](http://mobot.org/Classes)



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