

# Learn + Discover

classes for adults, youth + family

Fall • Winter • 2016–2017 • September–February



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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And you thought you were just signing up for a fun class. Whether you visit our family of St. Louis area attractions with family and friends, enjoy membership in our organization, take one of our classes, or experience a special event, you're helping save at-risk species and protect habitats close to home and around the world.

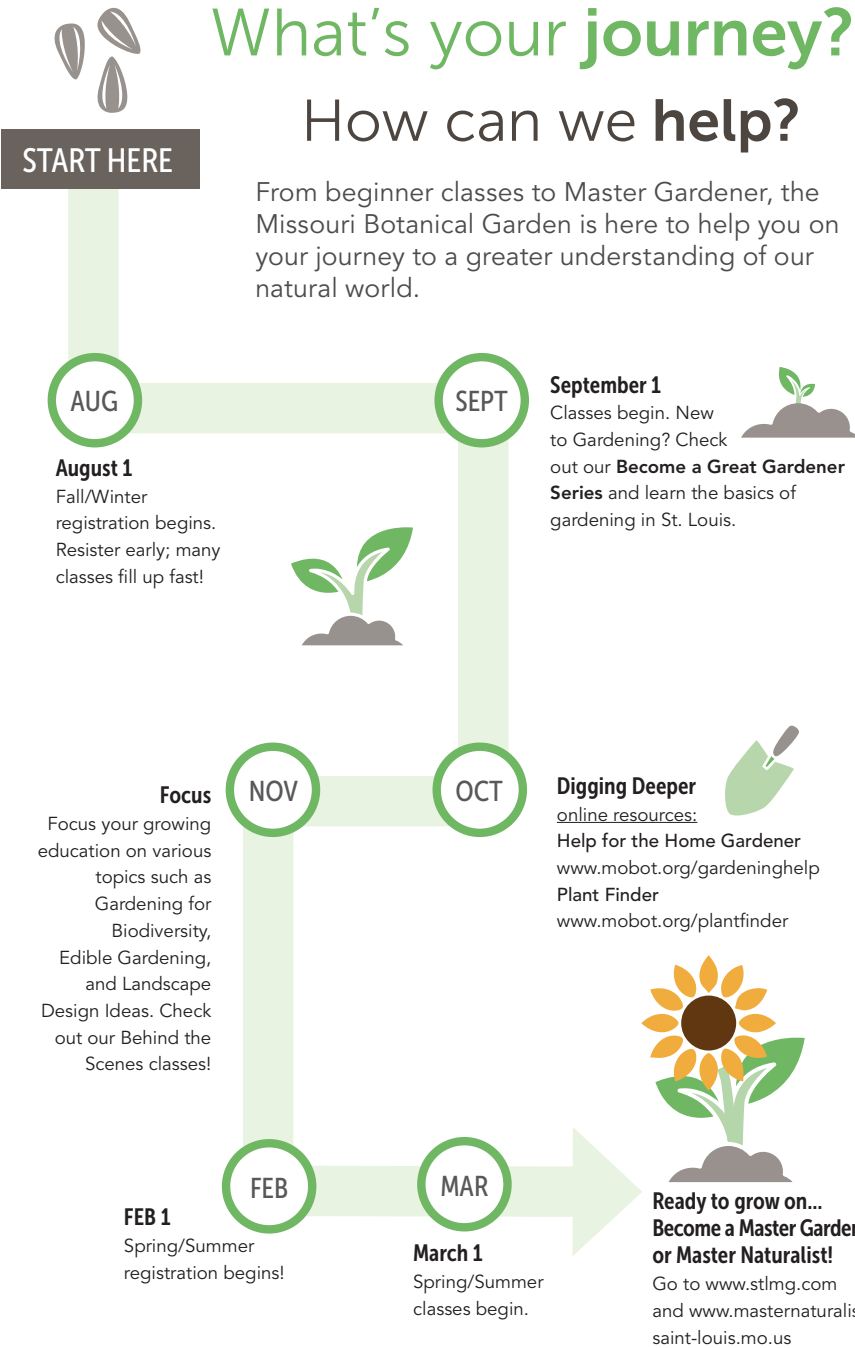
On behalf of the Missouri Botanical Garden and our one shared planet... thank you.

To discover and share knowledge about plants and their environment in order to preserve and enrich life.  
—mission of the Missouri Botanical Garden

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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





GOT HONEYSUCKLE?

# GET RID OF IT!



## THINK ABOUT TABLES WORKSHOP

In North America, bush honeysuckle (*Lonicera maackii*) is an invasive species. Yet honeysuckle wood is sturdy and strong and grows in interesting shapes, making it ideal for transforming a problem into a creative opportunity. Make your own table to take home. [More information on page 9.](#)



## GETTING A HANDLE ON INVASIVE BUSH HONEYSUCKLE

Many natural and landscaped areas have become severely infested with bush honeysuckle. Control methods described in this class are designed for both homeowners and landowners who are having problems with bush honeysuckle. [More information on page 25.](#)

HONEYSUCKLE SWEEP FOR HEALTHY HABITAT  
SAVE THE DATES | OCT 29–NOV 6

[WWW.MOBOT.ORG/INVASIVES](http://WWW.MOBOT.ORG/INVASIVES)



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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Learn more at  
[www.mobot.org/ewc](http://www.mobot.org/ewc)

# ADULT CLASSES

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

## DIY CRAFTS



### A "Greener" Holiday Wreath (MBG)

Take a new look at the classic holiday wreath and make it greener with local materials. Create a beautiful 20" holiday wreath with a base of evergreens gathered from Shaw Nature Reserve and natural accents collected from Garden and other local sources. All materials will be provided. No experience necessary, but some hand strength required. Bring pruning shears, gloves, and any additional elements you would like to include.  
**Friday, December 2 or Saturday, December 3**  
**10 a.m. to noon**  
**\$45 members; \$54 nonmembers**  
**Missouri Room**  
**Tammy Palmier**

### Holiday Wreaths from Natural Materials (SNR)

Warm yourself by the fireside as you make a beautiful holiday wreath of fresh greens and other natural materials to take home. You will learn design techniques and how to apply them to wreath making. Materials provided.  
 Bring pruning shears and gloves.  
**Wednesday, December 7**  
**1 to 3:30 p.m. or 6:30 to 9 p.m.**  
**\$40 members; \$48 nonmembers**  
**Adlyne Freund Center**  
**Barb Troutman**

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

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, December 2**  
**6 to 8 p.m.**  
**\$35 members; \$42 nonmembers**  
**Adlyne Freund Center**  
**Bailie Fischer**

### Basket Making: A Cold Snap (MBG)

This cute beginner's basket is the perfect way to ring in the cold season. The basket uses basic weaving techniques and fun embellishments such as snaps, buttons, and bells, topped off with an optional whitewash. The basket measures 4" x 4" x 4"; total height with wire handle is 9". Perfect for display during and after the holidays. All weaving materials supplied. Some hand strength needed. A tool list will be provided at registration.

**Saturday, November 5**  
**9:30 a.m. to 3:30 p.m.**  
**\$51 members; \$62 nonmembers**  
**Botanical Room**  
**Stephanie Arnold**

### Botanical Impressions: Plaster Ornament (MBG)

Learn to capture plant impressions in plaster. Using twigs, leaves, and seed pods, you will press the materials into clay. Once the natural material is removed, you will pour the plaster into the clay to create a cast. Finishing techniques will be demonstrated, along with instructions on completing your ornament at home once the plaster sets. You will be amazed how much delicate detail you can capture in 2D relief tiles. All materials provided. Bring an apron or wear older clothing.

**Tuesday, September 27**  
**6 to 7:30 p.m.**  
**\$30 members; \$36 nonmembers**  
**PlantLab**  
**Tammy Palmier**

NEW!

NEW!

### Creative Flower Arrangements for the Home (MBG)

Creating arrangements from your own yard can be a relaxing and rewarding experience. Join us for one or all three classes in this series. During each class, we will learn about the season's best plants for cut arrangements that you can grow in your own yard, as well as store-bought bouquets and unusual vase ideas. In each class, you will create a small, seasonal, one-of-a-kind vase arrangement to take home. Price per class.

**Late Summer Harvest**  
**Tuesday, September 13**  
**6 to 7:30 p.m.**  
**\$33 members; \$40 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

**Winter's Bounty**  
**Saturday, December 17**  
**10 to 11:30 a.m.**  
**\$33 members; \$40 nonmembers**  
**Missouri Room**  
**Sharon Lloyd**

**The Season of Love**  
**Saturday, February 11**  
**10 to 11:30 a.m.**  
**\$33 members; \$40 nonmembers**  
**Botanical Room**  
**Sharon Lloyd**

### Discovering Kokedama (MBG)

Kokedama is Japanese for "moss ball" and evolved from the ancient bonsai tradition of plant display. Join us as we create little hanging string gardens and learn about our western adaptation of this technique. All plants and supplies are provided. Dress for playing in the dirt and bring garden gloves if you wish. Designed for adults only.  
**Saturday, September 17**  
**10 to 11:30 a.m.**  
**\$35 members; \$42 nonmembers**  
**Center for Home Gardening Classroom**  
**Suzanne Hirth**

### Gourd Crafting (SNR)

Create a bowl, vase, birdhouse, or conversation piece to decorate your home. This is the time of season to harvest gourds, and each will have its own unique shape and size. You can use a blade to carve designs or ink to draw your design. Materials provided.  
**Friday, October 14**  
**10 a.m. to noon**  
**\$20 members; \$24 nonmembers**  
**Carriage House**  
**Rachel Weller**

### Living Pumpkin Arrangement (MBG)

Make a fall decoration with trendy succulents and a real pumpkin that's perfect for decorating from Halloween through the Thanksgiving holiday. Create a living arrangement without piercing the skin of your pumpkin with knives. All supplies provided. Bring gloves if you like.  
**Thursday, October 27**  
**6:30 to 8 p.m.**  
**\$48 members; \$58 nonmembers**  
**Missouri Room**  
**Sharon Lloyd**

### Mosaic Stepping Stone (MBG)

Learn to use broken plates and forgotten tiles to create a beautiful DIY mosaic! Perennial will guide you through each step from cutting tile and mixing mortar to 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 a future project. Each participant will create a unique stepping stone to take home to their outdoor spaces.  
**Monday, October 10**  
**5:30 to 8:30 p.m.**  
**\$44 members; \$55 nonmembers**  
**PlantLab**  
**Perennial**



**Natural Dyed Yarn (MBG)**

NEW!

Natural dyes are a beautiful and sustainable way to bring color to textiles. In this workshop, you'll learn to create natural dye baths from osage orange tree shavings, black walnuts, and annatto seeds. Participants will experiment with the plant-based dyes to create hand-dyed fabrics that can be turned into upcycled yarn for future projects. Using a rotary cutter and pinking shears, each participant will learn to transform bed sheets and t-shirts into continuous balls of upcycled yarn. Use your dyed yarn to crochet or knit new projects for you and your home!

**Tuesday, February 7**  
**6 to 8 p.m.**  
**\$45 members; \$55 nonmembers**  
**PlantLab**  
**Perennial**

**Needle Felting (MBG)**

Needle felting is a simple, dry felting technique that uses roving (unspun wool) and a special needle tool to apply the fiber to a backing to create an applique or to create a 3-dimensional soft sculpture. The possibilities for creative embellishments and accessories is endless. In this session we will be creating a soft sculpture inspired by our wonderful garden. Designed for adults only.

**Monday, November 14**  
**6 to 9 p.m.**  
**\$49 members; \$58 nonmembers**  
**Missouri Room**  
**Suzanne Hirth**

**Pressed Plants: From Past to Present (MBG)**

Plant presses are and have been invaluable to Garden researchers and horticulture staff to preserve and catalog plants from around the world. Brittany North will demonstrate how to make a voucher using plant materials with a variety of techniques. Then she will explain how to make your own press using materials found around your home. Use pressed flowers and leaves to make your own cards and receive a mini press ornament to take home.

**Monday, October 17**  
**6 to 8 p.m.**  
**\$33 members; \$40 nonmembers**  
**PlantLab**  
**Brittany North**

**Rag Rugs (MBG)**

NEW!

Making rag rugs has been a tradition for many years. Originally, it was a way of getting one last use out of unwearable clothing. In the spirit of recycling we will be learning ways to make discarded fabric into strips and how to crochet those strips into accent pieces for our homes. Some crochet experience preferred, but not necessary. Bring a US size P/15 mm crochet hook to class. Designed for adults only.

**Saturday, October 15**  
**10 a.m. to noon**  
**\$35 members; \$42 nonmembers**  
**Center for Home Gardening Classroom**  
**Suzanne Hirth**

**Soldered Glass Pendants (MBG)**

NEW!

Create an upcycled stained glass pendant from scraps of ceramic and glass! Participants will learn to use recycled glass, copper foil, flux, and lead-free solder to sculpt their custom jewelry pendant. Theresa, Perennial's lead instructor and craftswoman, will demonstrate how to safely use a glass cutter and grinder to create custom shapes from found vintage plates, mirrors, clear glass, or broken heirlooms. Participants will also learn to make a custom sized jump ring and the right places to look for upcycled treasures for all their upcycled jewelry projects! Feel free to bring in broken ceramic plates or glass pieces to use in your jewelry pieces. Note: This class requires hand strength and the use of a very hot tool. Patience, an eye for safety, and hand dexterity will help participants achieve their design goals.

**Tuesday, February 21**  
**6 to 9 p.m.**  
**\$50 members; \$60 nonmembers**  
**PlantLab**  
**Perennial**

**Succulent Dish Garden (MBG)**

NEW!

Succulents are hot, hot, hot! Come learn about the care and culture of these wonderful plants and design a beautiful succulent dish garden for your home. All materials included. Class includes a short walk.

**Saturday, December 10**  
**10 a.m. to noon**  
**\$55 members; \$69 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

**Tantalizing Terrariums (MBG)**

Come join us as we learn how to create a little indoor garden to live on your home. Learn step-by-step how to create a terrarium and make your own to take home. Soil, plants, and container included.

**Saturday, January 14**  
**9:30 to 11 a.m.**  
**\$48 members; \$58 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

**Terracotta Herb Planter (MBG)**

Make your own terracotta planter with clay artist Mary Henderson. Learn how to hand-build a beautiful vessel with nature-inspired decorations. After firing by the instructor, you will have a wonderful planter that you will be proud to call your own. Fired planters will be available for pick-up at the Center for Home Gardening after February 14.

**Saturday, January 28**  
**9 a.m. to noon**  
**\$52 members; \$62 nonmembers**  
**Botanical Room**  
**Mary Henderson**

**Think About Tables Workshop (SNR)**

Ages 13 and up (ages 13–17 must come with a parent or guardian). In North America, bush honeysuckle (*Lonicera maackii*) is an invasive species. Yet honeysuckle wood is sturdy and strong and grows in interesting shapes, making it ideal for transforming a problem into a creative opportunity. View a demonstration and make your own table to take home.

**Saturday, October 22 or**  
**Saturday, November 19 or**  
**Saturday, February 4 or**  
**Saturday, February 18**  
**9 a.m. to 3 p.m.**  
**\$30 members; \$36 nonmembers**  
**Meet at the SNR Visitor's Center**  
**Dale Dufer**

**Weaving Your Own Scarf (MBG)**

Learn how to weave this fall 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. This is a great first-time project for learning basic tabby weave. You will have several colors to choose from and all supplies are provided. Bring a sack lunch. Space is limited, so register early!

**Saturday, November 5**  
**9:30 a.m. to 2:30 p.m.**  
**\$75 members; \$90 nonmembers**  
**Garden Room**  
**Jill Kettler**

**Wine Bottle Reuse:****Candles and Planters (MBG)**

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 demo 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 in combination with a hot/cold water bath. Decorate your home with these upcycled creations or give them as handmade gifts.

**Saturday, September 24**  
**3 to 6 p.m. or**  
**Saturday, October 8**  
**noon to 3 p.m.**  
**\$40 members; \$50 nonmembers**  
**PlantLab**  
**Perennial**

Be sure to check out **Coloring in the Collection: An Artsy Activity Just for Grown-Ups** on page 38!

## FINE ARTS

**Beginners Plein-Air Painting (SNR)**

Capture the natural beauty of Shaw Nature Reserve by plein-air painting. Plein-air, French for "open air," is a technique defined as painting done outside, in the open air. We'll begin with a demonstration, paint, and end with helpful ideas. A supply list will be included with your registration. Bring a sack lunch or snack.

**Saturday, September 24**  
9 a.m. to 2 p.m.

**\$30 members; \$36 nonmembers**  
Carriage House  
Jan Trager

**Finding Your Poetic Voice (MBG) <sup>NEW!</sup>**

Attention All Poets (or Wanna-Be-Poets) Come out from wherever you are and let the versifying begin! What better place to free your Inner Poet than the Missouri Botanical Garden with its visual beauty, as well as its mission to make the natural world a better place. Freelance writer Eleanor Hall will use her self-published *Book of Green Verses* to help you find, or perhaps enhance, your own poetic style.

**Tuesday, October 4**  
3:30 to 5:30 p.m.

**\$35 members; \$45 nonmembers**  
Boxwood Garden Gazebo  
Eleanor Hall and Jim Biggs

**Intro to Oil Painting (MBG)**

For all skill 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: September 8, 15, 22;**  
**October 6, 13, 20; no class on 9/29**  
9:30 a.m. to noon  
**\$135 members; \$162 nonmembers**  
Garden Room  
Tito Gay

**Sketching in the Garden (MBG)**

For beginner to intermediate levels. Capture the beauty in nature on paper as you learn to sketch what you see in the Garden. Build basic drawing skills through demonstrations of pencil and other mediums, such as colored pencils, pastels, and charcoal. Individual instruction will help you develop a sense of observation and awareness of the natural, wondrous world around you. In the event of inclement weather, the class will sketch from still lifes in the classroom. A materials list will be provided at registration.

**8 Wednesdays: September 14, 21, 28;**  
**October 5, 12, 19, 26; November 2**  
9:30 a.m. to noon  
**\$180 members; \$216 nonmembers**  
Center for Home Gardening Classroom  
Jaclyn Lawson

**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: September 13, 20, 27;**  
**October 4, 11, 18, 25; November 1**  
9:30 a.m. to noon  
**\$180 members; \$216 nonmembers**  
Missouri Room  
Mary Dee Schmidt

**Think Spring: Winter Drawing Adventures (MBG)****NEW!**

Warm up this winter with a fun look at all types of drawing mediums. Weaving experimentation with practical tips, learn different techniques with graphite, colored pencils, pastel pencils, colored inks, and more. Jaclyn will demonstrate several exercises using still lifes and plants for inspiration, or you can work on your own from photographs. Don't let your art hibernate this winter. A supply list will be included with your registration.

**6 Wednesdays: January 4, 11, 18;**  
**February 1, 8, 15**  
(No class 1/25; Snow dates 2/22, 3/1)  
10 a.m. to 12:30 p.m.  
**\$135 members; \$162 nonmembers**  
Garden Room  
Jaclyn Lawson

**Watercolor: Confident Color (MBG)****NEW!**

Translate the beauty of fall and inspire your creativity by using color theory as a major element. Value, temperature, hue, and intensity are a part of the language of color. Judy will explain these terms and much more. The goal is to show the power of planning and making rational compositional choices to make your paintings pop. Intermediate.

**8 Fridays: September 9, 16, 23, 30;**  
**October 7, 14, 21, 28**  
9:30 a.m. to noon  
**\$180 members; \$216 nonmembers**  
Center for Home Gardening Classroom  
Judy Seyfert

**Watercolor: Experimental Landscapes (MBG)****NEW!**

Learn to think outside the box and experience a truly unique way of approaching a traditional subject. The natural organic shapes and textures of the landscape are a playground for innovation and experimentation. Using the free-flowing characteristics of watercolor, as well as other water-based mediums, artists will break away from the familiar and comfortable, making choices that suit their personal style. Intermediate to advanced.

**5 Fridays: January 6, 13, 20, 27;**  
**February 3 (Snow dates 2/10 or 2/17)**  
10 a.m. to 1 p.m.  
**\$142 members; \$170 nonmembers**  
Commerce Bank Education Center, Room 125  
Judy Seyfert

**Watercolor: It's All in the Technique (MBG)****NEW!**

Knowledge combined with experience and tenacity is the key to success in watercolor. Through group and individual instruction, Judy will demonstrate classic watercolor tricks and techniques that are the building blocks of impressive paintings. There is a method to paint almost everything from folds on a petal to reflections on water and much more. All you have to do is learn the technique. For all skill levels.

**5 Saturdays: October 22, 29; November 5, 12, 19**  
9:30 a.m. to noon  
**\$113 members; \$136 nonmembers**  
Beaumont Room  
Judy Seyfert

**Watercolor: Pure and Simple (MBG)**

Everywhere we look there is inspiration for a painting. Moving from inspiration to a finished piece is a wonderful journey. With this goal in mind, Judy will demonstrate how to use color and design to paint impressive watercolors. Group and individual instruction will be given to encourage self-expression and experimentation. Beginning or experienced watercolorists will find this fun and exciting.

**6 Mondays: September 12, 19, 26;**  
**October 3, 10, 17**  
6:30 to 9 p.m.  
**\$135 members; \$162 nonmembers**  
Missouri Room  
Judy Seyfert

# PHOTOGRAPHY



## Garden Photography Series

### Photography: Connecting with Nature in St. Louis (MBG) NEW!

Plants, animals, birds, and butterflies often have a calming effect. Learn about the many locations in the area that are great for photographs and relaxing the mind. Take amazing images without leaving St. Louis. From the Missouri Botanical Garden to the World Bird Sanctuary to lesser-known jewels, we will discuss the best times to photograph, the importance of lighting, and ways to simplify a busy scene. All skill levels.

**Saturday, September 10**  
10 a.m. to noon  
\$28 members; \$34 nonmembers  
Missouri Room  
Scott Avetta

### Photographing Waterfalls, Reflections, and Fountains (MBG)

For all skill levels. During this class we concentrate on some of the Garden's many water features. At each area Scott Avetta will provide tips on the best ways to photograph water. He will use different shutter speeds to freeze action and create motion with the same basic framing. He will highlight ways to find and use reflections to enhance your photography. A tripod can be helpful for some techniques, but is not required.

**Tuesday, September 13**  
9:30 a.m. to noon  
\$35 members; \$42 nonmembers  
Center for Home Gardening Classroom  
Scott Avetta

### Photography Boot Camp (MBG)

Tired of going through confusing manuals and not understanding where to start? In this multi-session, hands-on course learn the key functions of your camera, their importance, and how to use them to your advantage. Camera settings, ISO settings, white balance, and other critical features will be covered. Bring a camera and manual to the classes, as you will have class time to practice. Beginner to intermediate.

**4 Tuesdays: October 4, 11, 18, 25**  
9:30 a.m. to noon  
Center for Home Gardening Classroom  
or  
**4 Wednesdays: October 5, 12, 19, 26**  
6:30 to 9 p.m.  
Missouri Room  
\$140 members; \$168 nonmembers  
Scott Avetta

### Fall in the Garden Photography (MBG)

Throughout this multi-session, hands-on class we will concentrate on the peak seasonal areas of the Garden. Increase your understanding of lighting, composition, and exposure compensation and apply them in the field. 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 gain camera knowledge consider taking Photography Boot Camp.

**2 Tuesdays: October 10, 17**  
9:30 a.m. to noon  
\$70 members; \$84 nonmembers  
Center for Home Gardening Classroom  
Scott Avetta

### Behind the Scenes: Teahouse Island Photography (MBG)

For all skill levels. Get rare access to this special, nonpublic Teahouse Island, where we will photograph the neutral tone and simple beauty of Nakajima 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.

**Thursday, October 13**  
9 a.m. to noon  
\$52 members; \$62 nonmembers  
Meet at Ridgway Center Ticket Counter  
Scott Avetta

### Exploring the Image (MBG) NEW!

So many times our images are good, but with a little extra effort we can improve them dramatically and really make it pop. Scott Avetta discuss what makes images powerful and what needs to be fixed. Analyzing images carefully is an important skill to improving your own photography and advancing your editing process. During our field trip, we will apply these principles to design stronger images and take them to the next level. All skill levels.

**2 Wednesdays: November 9, 16**  
7 to 9 p.m.  
with field trip November 13  
7 to 11 a.m.  
\$112 members; \$134 nonmembers  
Missouri Room  
Scott Avetta

### Behind the Scenes: Orchid Show Photography (MBG) NEW!

Get rare access to the orchid show to take photos with professional assistance. This class will have the special privilege of taking photographs after hours using tripods and flash photography to capture those gorgeous flowers. We will have a brief discussion on subject selection and composition at the start of the class. A flash is not needed for this class, but will be allowed.

**Monday, February 27**  
5:30 to 8 p.m.  
\$50 members; \$60 nonmembers  
Meet at Ridgway Center Ticket Counter  
Scott Avetta

### Capturing the Garden Glow NEW!

Influenced by the Garden's global reach, Garden Glow will celebrate the holiday season with the colors of the world in brilliant light and interactive fun. Class fees include admission to the event after the 2 hour class, which is divided between 1 hour non-public photography time and 1 hour with visitors present. The use of a tripod is highly recommended.

### Capturing the Garden Glow: Basics (MBG)

With tips and tricks from your professional photography instructor, you will take photos of the Garden filled with light.

**Monday, November 21 or Tuesday, November 29 or Monday, December 5 or Tuesday, December 6**  
4 to 6 p.m.  
\$58 members; \$70 nonmembers  
Meet at Ridgway Center Ticket Counter  
Scott Avetta

### Capturing the Garden Glow: Creative Focus (MBG)

We will take the next step and try some creative techniques to bring a whole new look to what we see. We will work with motion, blur, reflections, point of view, and expand our shooting opportunities. These will be photos that are unlike others you have taken at Garden Glow.

**Monday, December 12**  
4 to 6 p.m.  
\$58 members; \$70 nonmembers  
Meet at Ridgway Center Ticket Counter  
Scott Avetta

### Photographer Night: Self-Guided Garden Glow (MBG)

Photographer night reinvented! This year enjoy earlier admission to Garden Glow with camera and tripod in hand. The first 1.5 hours will be for photographers only. Then stay for public hours to take additional shots with your tripod and enjoy the festivities, including food, drink, and s'mores available for purchase! Capture the glitter and lights of Garden Glow and practice your photography skills. Self-guided only. This experience is not led by instructor.

**Tuesday, December 13**  
4 to 5:30 p.m. photographers only;  
5:30 to 10 p.m. public event hours  
\$46 members; \$58 nonmembers  
Meet at Ridgway Center Ticket Counter



### Walking Photography Tour of Downtown St. Louis (off-site)

Join Richard Reilly on a tour of interesting architectural sites through downtown St. Louis, as he helps you to create artistic photographs focused on composition and structural details that enhance appreciation of the architecture and your own images. 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. Be prepared to walk (as far as 2 miles) for the 3 hour class. Revitalize your photographic eye for future explorations. You should be familiar with the workings of your camera. Intermediate to advanced.

**Saturday, October 1  
noon to 3 p.m.**

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

**City Garden (corner of 10th and Market)**

**Richard Reilly**



### Shaw Photography Series

#### Capturing Nightscape and Star Trail Images (SNR)

No light, no photography? No way! Nighttime can give you your most compelling images. Capturing the beauty of the night sky, the Milky Way, and the motion of stars through the heavens is easier than you might think. Using a few special tricks, learn to make images of star trails with your DSLR—from the equipment you'll need to the step-by-step image instructions to post-processing techniques. Discover the art of painting with light during long exposures, blending land and sky to create one-of-a-kind images. Participants should have a good working knowledge of their DSLR and some knowledge of Photoshop. This class will include indoor instruction and an outdoor demonstration. Participants will not be shooting, so no camera equipment is needed. Intermediate.

**Saturday, November 5  
6 to 9 p.m.**

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

**Carriage House**

**Dan Zarlenga**

#### Creating Your Own Light: Fundamentals of Flash Photography (SNR)

Join award-winning nature photographer Greg Basco as he shares his techniques for creating dramatic images using your own light with flash and flashlights. Take the mystery out of flash as you learn to soften, diffuse, direct, shape, and control the light it provides. Receive instruction on how to use your particular flash, as well as how to use flash to fill in shadows, how to balance natural background with flash on a subject, and how to use flashlights to add interest to photographs. Participants need to have a good understanding of basic exposure, natural light, and concepts such as aperture, ISO, and shutter speed. Equipment needed: DSLR camera or advanced point-and-shoot, hot-shoe mounted flash, and a flash cord or transmitter that gets the flash off the camera. Lunch will be provided. All skill levels.

**Sunday, December 4**

**9 a.m. to 4 p.m.**

**\$100 members; \$120 nonmembers**

**Adlyne Freund Center**

**Greg Basco**

### How to Talk About Photos: Visual Literacy for Photographers (SNR)

Every photograph involves a series of technical and aesthetic choices that the photographer must make. Learn a visual vocabulary to discuss—in plain English—technical aspects of photography like aperture, shutter speed, ISO, lens choice, and use of filters, as well as aesthetic choices like composition, tone and contrast, color, framing, perspective, point of view, balance, emotion, mood, and more. This half-day workshop will teach participants the basics of visual literacy and give them a vocabulary to describe photographs, leading to better crafted and more articulate images. This is how photographers go from good to great. Students will be asked to provide 20–30 images in advance that will be discussed during the workshop. All skill levels.

**Saturday, February 4**

**9 a.m. to noon**

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

**Adlyne Freund Center**

**Jeff Hirsch**

### Picturing People: Making Better Portraits (SNR)

Is there anything more exciting and difficult than making portraits? Unlike landscapes, people move, talk, and don't always cooperate. Making portraits is a creative act at the heart of photography since we all take pictures of the people in our lives. Join professional photographer Robert George as we explore photographing people indoors and outdoors under all kinds of lighting. First, a study of how portraits are made, lighting for the face and body, cameras and lenses best suited for the job, and tips for getting the best expressions from your subjects. Then move into the field to shoot portraits against a variety of backgrounds and under different lighting conditions. We'll review our work as a group. Equipment needed: DSLR camera, media card, laptop, thumb drive, lenses normal to telephoto, and flash (optional). Dress to be photographed. Must have a working knowledge of camera. Lunch is included. All skill levels.

**Saturday, October 1**

**9 a.m. to 4 p.m.**

**\$130 members; \$156 nonmembers**

**Carriage House**

**Robert George**

### Seeing Nature through the Lens (SNR)

Access the back-road fall beauty of Shaw Nature Reserve with photographer Scott Avetta. At areas with the greatest potential for strong fall images, Scott will provide the small group with tips on subject selection, composition, and lighting. Begin photographing with one-on-one assistance. Use of a tripod, cable release or remote, and a polarizer can be helpful. Participants should have a basic working knowledge of their camera. Dress for the outdoors and wear comfortable walking shoes. Plan to arrive a few minutes early—the class departs promptly at 7 a.m. All skill levels.

**Saturday, October 15**

**7 to 11 a.m.**

**\$55 members; \$65 nonmembers**

**Carriage House**

**Scott Avetta**

### The Nature of Travel Photography: The Do's, the Don'ts, and the Musts (SNR)

Join St Louis-based photographer Stewart Halperin for an all-day workshop on the "essence" of traveling with your camera. He will share his knowledge from 50 years visiting 6 continents and 90 countries to photograph the most remote corners of the globe, as well as many major cities. This workshop will cover where to travel, choice of equipment, who to travel with, work flow on the road, and, most importantly, shooting styles and insights to make your images powerful and bring back the essence of where you were! This workshop is limited to 12 people and a pre-submission of a selection of images will be required. Lunch is included.

Intermediate to advanced.

**Saturday, January 28**

**9 a.m. to 4 p.m.**

**\$160 members; \$192 nonmembers**

**Adlyne Freund Center**

**Stewart Halperin**



## Butterfly House Photography Series

### Insect Photography (BH) **NEW!**

Photograph insects and arachnids not typically on display to public! Use artificial lighting selected by professional photographer Scott Avetta to highlight these unique subjects indoors. Discuss camera settings for working with subjects in a controlled environment and apply this knowledge for truly unforgettable photos. Subjects include praying mantis, jewel beetles, walking sticks, and scorpions, which will be placed under ultraviolet lights to highlight their fluorescence. A tripod and remote cable release are recommended for this class.

**Tuesday, October 4**

**6 to 8 p.m.**

**\$38 members; \$42 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 rich colors. During this class, you will have the chance to photograph these amazing chrysalises up close, which 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 living butterflies during this class. Designed for adults only.

**Monday, November 7**

**9:30 to noon**

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

**Meet at Butterfly House Front Desk**

**Scott Avetta**

### Butterfly House Photography (BH)

Join us for a morning of exclusive access to the Conservatory. This is a photographers-only day when the Butterfly House will be closed to the general public. Professional photographer Scott Avetta will be on hand to give advice on the best ways to capture images in this special environment. Don't miss this unique opportunity to photograph butterflies and tropical flowers in natural light. Participants should have a basic understanding of their camera's features. Tripods allowed.

**Monday, February 6**

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

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

**Meet at Butterfly House Front Desk**

**Scott Avetta**



## FOOD AND COOKING

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

### CULTURAL INSPIRATIONS



### It's All WOK to Me! (MBG) **NEW!**

Our love of Chinese cuisine is here to stay and Chef Theresa Liu has promised to show us how to satisfy our taste buds with some of the most popular take-out dishes—from our own kitchen! She will demonstrate authentic crab rangoon, orange chicken, lettuce wraps, and pepper shrimp. Don't miss this sure-to-be delicious and educational international meal.

**Saturday, September 10**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Theresa Liu**

### Simply French and Tout **NEW!**

#### Simplement Delicieux! (MBG)

A few fresh ingredients, a little bit of savoir faire, and here you are, ready to prepare a simple and delicious meal. Savory tarts come in all sorts of forms and fillings in French cuisine. Served with a well-seasoned salad and a sweet dessert, they are perfect for a complete meal. Everything will be made from scratch—from shortcrust pastry dough for the leek and salmon tart to French vinaigrette and chocolate fondant paired with vanilla-flavored creme anglaise.

**Thursday, September 15**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Caroline Achard**

### Queen's Cuisine: **NEW!** "Fresh Fruit" Cakes (MBG)

Some have said "knowledge is knowing a tomato is a fruit, but wisdom is knowing not to use it in a fruit salad." You won't find any tomatoes in this "fresh fruit" class, but you will find lemon tea bread, apple cake, Scottish shortbread with lavender flowers, and pumpkin scones served with clotted cream, all to be savored with fruit-infused tea.

**Monday, October 17**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Jane Muscroft**

### Queen's Cuisine: Hearty Soups (MBG)

Back by popular demand—with new recipes! What better time to learn how to make delicious homemade soup than on a chilly autumn day? English chef, Jane Muscroft, demonstrates how to prepare her famous roasted cauliflower, split pea and ham, and Cock-a-Leekie soups. This year Jane will also be serving chunky cheese scone sticks!

**Monday, November 7 or**

**Tuesday, November 15**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Jane Muscroft**

### Queen's Cuisine Holiday: English Tea (MBG)

A new annual tradition, take your guests to England without leaving St. Louis by learning how to make food for a true English tea with Jane Muscroft. Sample real clotted cream and homemade scones fresh from the oven, along with other recipes featuring foods and flavors of the holiday season served with quality loose-leaf tea. Stroll the English Woodland Garden afterwards to complete the experience!

**Monday, December 5 or**

**Monday, December 12**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Jane Muscroft**

## EAT MORE PLANTS

**Bet You Can't Eat Just One: NEW!**  
**Gluten-free Appetizers (MBG)**

Appetizers this good are going to go fast! Pizza with a cauli-flour crust, roasted red pepper hummus with veggies, roasted edamame, lemon curd with fresh fruit, and vegetarian summer rolls. The gluten may be missing, but your taste buds won't notice!

**Wednesday, October 19**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Vickie Bensinger**

**Vegetarian! It's What's for NEW!**  
**Thanksgiving Dinner (MBG)**

Oven-roasted mushrooms, Hasselback potato gratin, roasted beets with chimichurri, and seared Brussels sprouts are just a few fresh and flavorful vegetarian recipes you can add to your Thanksgiving table. Herbs in these recipes pull the entire menu together. Students will practice blending fresh herbs, learning which combinations their taste buds enjoy most.

**Tuesday, November 1**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Lana Shepek**

**Comfort Foods with NEW!**  
**Color: Vegetarian Fare**  
**for a St. Louis Winter (MBG)**

Have you ever tasted a French twist and roasted sweet potatoes served with creme fraiche and lemongrass? Or a fennel and cherry tomato gratin with a crumble on top? Learn how to prepare these dishes to bring comfort to your table during the winter months. Prepare two fantastic grain salads with vibrant colors and lots of flavors: one with farro, roasted leeks, cranberries, and fresh herbs; the other with wild rice, fennel, grapefruit, feta cheese, and dry nuts.

**Saturday, November 5**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Caroline Achard**

**All We are Saying is Give NEW!**  
**Raw a Chance (MBG)**

A raw, plant-based diet is a popular choice for many. Nutrients and flavor aren't removed during cooking and delicious food results. Learn about preparing and eating raw food, while sampling a variety of dairy- and gluten-free treats, such as flax crackers with carrot hummus and onion dip, lettuce-wrapped sliders with pickled onions and crispy parmesan kale chips, loaded spinach salad, and chocolate-avocado mousse in a coconut tuile. A variety of tree nuts (no peanuts) and seeds will be used.

**Saturday, January 28**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Laura Kyro**

**Vegan Desserts (MBG) NEW!**

Vegan desserts? Really? Yes, really! The creative and all-knowing chef Vicki Bensinger will demonstrate how to cook very yummy vegan desserts. Spiced almonds, peanut butter balls, chocolate covered strawberries, and turtle oat cookies are easy and delicious vegan desserts everyone can enjoy.

**Tuesday, January 31**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Vickie Bensinger**

**Some Like it Hot! (MBG) NEW!**

Capsicum is Latin for "pepper," the star of the show for the annual Fall Herb Class hosted by The St. Louis Herb Society. Learn about the history of the uses for both hot and sweet peppers. Plus, get tips for growing and preserving them. Learn about the Scoville Scale which measures the relative heat of peppers and enjoy samplings of both sweet and hot varieties. As always, delicious food and drink will conclude the class.

**Thursday, September 8**

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

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

**Center for Home Gardening Classroom**

**St. Louis Herb Society**

**Breads and Spreads: NEW!****A Mediterranean Tour (MBG)**

Let's match delicious breads with tasty spreads. We will be traveling around the Mediterranean rim during this class. Our first stop will be in Morocco to taste an herb-y jam on pita bread. Next, let's go to the Middle East to make an unusual hummus using almond butter and lemongrass. We'll also stop in Greece to sample a fresh and tasteful tzatziki. Sicily will be our last destination for a caponata spread on slices of sourdough bread. Everything will be made from scratch, of course!

**Wednesday, September 28**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Caroline Achard**

**Autumn Family Favorite**  
**Quick Breads (MBG)**

Join Lana for simple recipes for delicious savory and sweet quick breads. Locally sourced autumn apple and pumpkin are the stars of the evening with this menu. Mini ham and cheese biscuits with autumn apple syrup, breakfast cupcakes, and prosciutto, apple, and parmesan scones are savory delights. To satisfy our sweet tooth, we'll enjoy learning how to make French breakfast puffs, apple honey buns, and pumpkin muffins.

**Tuesday, October 4**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Lana Shepek**

**Behind the Brew: 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.

**Tuesday, September 20**

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

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

**Urban Chestnut Meeting Room**

**Florian Kuplent**

**Behind the Brew: Hops and 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)? Find out 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 about how hops are used in brewing, this will be an exciting class!

**Tuesday, November 1**

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

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

**Urban Chestnut Meeting Room**

**Florian Kuplent**

**Behind the Brew: A Look**  
**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 about ingredients, the 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).

**Tuesday, November 22**

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

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

**Urban Chestnut Meeting Room**

**Florian Kuplent**

## Choosing Tea with the Planet in Mind (MBG)

Tea (*Camellia sinensis*) with its origins in ancient China is not readily available locally, but that is changing. Learn about where tea grows and new developments in the world of tea. In addition to traditional tea, there are many other plants that can be enjoyed in similar fashion, such as guayusa, yaupon, and cacao (yes, chocolate!) that are grown or harvested in sustainable ways, creating income for indigenous people, who are utilizing growing methods that support our planet, rather than tearing down rainforests. Find out how you can enjoy all of these delicious plants in good conscience.

Lots of tea sampling!

**Tuesday, November 8  
6 to 7:30 p.m.**

**\$20 members; \$25 nonmembers**  
PlantLab  
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! Designed for adults only.

**Monday, February 6  
7 to 8:30 p.m.**

**\$20 members; \$25 nonmembers**  
Commerce Bank Education Center, Room 125  
Kateri Meyer

## Death by Chocolate (MBG)

Attention chocolate lovers: this class is not for the faint of heart! Back by popular demand, Kakao chocolatier Tori McCarty returns to create triple chocolate chip cookies, brownies, double chocolate cupcakes, and even hot chocolate. This class can't be missed—it's simply to die for! Bring a container to take home goodies.

**Saturday, October 22 or  
Saturday, February 18**

**10 a.m. to noon**  
**\$37 members; \$43 nonmembers**  
Center for Home Gardening Classroom  
Tori McCarty

## Cooking 101: Oils (MBG) NEW!

Is there a difference among vegetable, Canola, grape seed, and light and extra virgin olive oils? You bet there is. They can all be used for cooking, but they vary in nutritional and health qualities, smoke point, texture, and flavor. We'll explore the history of cooking oils, geographic preferences, and nutritional benefits. We will have fun with a blind taste test and we'll prepare an antipasto salad and a simple pasta with different oils for a tantalizing comparison.

**Tuesday, September 13  
7 to 9 p.m.**

**\$37 members; \$43 nonmembers**  
Center for Home Gardening Classroom  
Marianne Prey

## Cooking 101: Spectacular Salads (MBG) NEW!

No more iceberg lettuce with bottled ranch dressing! After Spectacular Salads, boring bowls of soggy greens covered in store-bought dressing will be a thing of the past. Experience hands-on the building blocks of a classic vinaigrette and its many variations. We'll use our handcrafted vinaigrette to create Salade Nicoise, marinated bean salad, and Everything-But-The-Kitchen-Sink salad. Each participant must bring a three quart bowl and a metal whisk for this deliciously creative evening. Designed for adults only.

**Tuesday, September 27  
7 to 9 p.m.**

**\$42 members; \$50 nonmembers**  
Center for Home Gardening Classroom  
Marianne Prey

## Cooking 101: Dinner Perfection with Parchment Paper (MBG) NEW!

En papillote, or "in parchment," creates steam to gently cook fish and vegetables in their own juices to tender perfection. Learning to cook in parchment creates endless possibilities in your kitchen. End-of-season, locally grown tomatoes team up with winter squash and apples to complete a memorable family and friend meal of parchment-wrapped cod with ratatouille, red and yellow tomato soup, stuffed spaghetti squash with herbs, garlic and cheese, and baked apples with honey-caramel sauce. Designed for adults only.

**Tuesday, October 25  
7 to 9 p.m.**

**\$37 members; \$43 nonmembers**  
Center for Home Gardening Classroom  
Lana Shepek

# GARDENING AND LANDSCAPING

## GARDENING BEST PRACTICES

### 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 them to their compost systems, along with the knowledge they need to construct their own home-composting system. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District.

(SNR)

**Friday, September 23  
10 to 11:30 a.m.**

**\$35 members; \$45 nonmembers**  
Carriage House  
Kat Golden  
or  
(MBG)

**Thursday, October 27  
7 to 8:30 p.m.**

**\$35 members; \$45 nonmembers**  
PlantLab  
Kat Golden

### Growing Annuals from Seed (MBG)

Growing annuals from seed can be an inexpensive and rewarding way to beautify your yard, patio, or balcony. Learn which annuals are the easiest to grow and the proper techniques to be successful, including soilless media, containers, watering, lighting, and transplanting. Take home annual seeds to get you started.

**Saturday, January 28  
9:30 to 11:30 a.m.**

**\$30 members; \$36 nonmembers**  
PlantLab  
Sharon Lloyd

### Growing Orchids at Home (MBG)

Have you resisted buying that intriguing orchid, or are you unsure on how to encourage best bloom performance? Come and learn about light, temperature, water requirements, and fertilizing for a variety of popular orchids. This course is appropriate for both orchid novices and enthusiasts.

**Tuesday, October 11  
6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
Botanical Room  
Babs Wagner

### Rescue and Renovate Your Cool Season Lawn (MBG)

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

**Tuesday, September 13  
6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
Botanical Room  
Glennon Kraemer

### Spring Bulbs 101 (MBG)

Learn from bulb expert Jason Delaney which bulbs work best in St. Louis, how deep to plant them, and when. Jason will also talk about bulb companion planting and lessons learned from his many years at the Missouri Botanical Garden. He'll be sure to get you motivated in your fall garden.

**Tuesday, October 18  
6 to 8 p.m.**

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



**The Frugal Gardener (MBG)**

Save some money (and the planet)! Learn helpful techniques and tips from overwintering your favorite tropicals to 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. Designed for adults only.  
**Thursday, November 10**  
**6 to 8 p.m.**  
**\$28 members; \$34 nonmembers**  
**Botanical Room**  
**Sharon Lloyd**

**Basic Roses 101: Fall and Winter Activities (MBG)**

Does "deadheading" have you reaching for a dictionary? Then this class is for you! Marissa Sedmak will first discuss the basic steps of planting and maintaining healthy roses in the classroom. Then it's outside for the exciting demonstration and tour of best practice techniques in the rose garden. You'll feel confident with your newly gained knowledge about growing beautiful roses!  
**Saturday, September 10**  
**10 a.m. to noon**  
**\$28 members; \$34 nonmembers**  
**Botanical Room**  
**Marissa Sedmak**

**Become a Great Gardener**

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

**Low-Maintenance Perennials (MBG)**

Every gardener wants beautiful flowers, but most don't have endless hours to work in the garden. Dig deep into the top 20 plants for the St. Louis garden in sunny or shady areas.  
**Thursday, September 8**  
**6 to 8 p.m.**  
**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Sharon Lloyd**

**Fall Container Gardening (MBG)**

Are your containers looking tired after a long summer? Get ready for fall with some exciting new plant combinations that will dazzle your friends and family. This is a hands-on class, so come ready to play in the dirt and take home your own container creation. Be prepared for a short walk.  
**Tuesday, September 20**  
**6 to 8 p.m.**  
**\$55 members; \$69 nonmembers**  
**PlantLab**  
**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. Be prepared for a short walk.  
**Thursday, September 22**  
**6 to 8 p.m.**  
**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Sharon Lloyd**

**Putting Your Garden to Bed (MBG)**

Fall is a great time to pull out the honey-do list. Find out which tasks you should focus on for fall and which ones should be done in the spring. Learn about creating new beds, pruning, mulching, and how to take cuttings of your favorite annuals to overwinter. Be prepared for a short walk.  
**Tuesday, October 4**  
**5 to 7 p.m.**  
**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Sharon Lloyd**

**Winter Container Gardening (MBG)**

Think you can't put anything in your container in the winter? Learn creative ways to jazz up your containers for the holidays using natural materials like evergreens, pine cones, and seed pods. We will be making a container you can take home with you. Be prepared for a short walk.  
**Tuesday, November 15**  
**6 to 8 p.m.**  
**\$55 members; \$69 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 the St. Louis climate; where to buy cold-hardy plants; and more.  
**Tuesday, September 20**  
**7 to 9 p.m.**  
**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**The Henry Shaw Cactus and Succulent Society**

**Native Medicinal Plants (MBG)**

Native Americans and pioneers in the Midwest saw a rich pharmacopeia of medicinal plants among the native flora, which they used to treat a wide variety of ailments. This course will be split into two classes. The first class will concentrate on useful native plant species, their identification, historical use, and habit. The second class will be a hands-on workshop on how to process the plants into a take-home product.  
**2 Saturdays: September 10 and 17**  
**10 a.m. to noon**  
**\$60 members; \$72 nonmembers**  
**PlantLab**  
**Alyse Kuhlman and Eric Feltz**

**Exploring the Magic of Witch Hazel (MBG)**

You won't find many shrubs in Missouri that flower when it's snowing, but that's only one of the many beautiful aspects of witch hazel, or *Hamamelis*. There are many native varieties and unusual species in the Garden's extensive collection. Learn the history and medicinal uses of this unique shrub as horticulturist Sara Neil gives you some background information in the classroom, and then takes you into the Garden to enjoy them in their full glory.  
**Saturday, February 11**  
**10 to 11:30 a.m.**  
**\$21 members; \$24 nonmembers**  
**Missouri Room**  
**Sara Neil**

**Mission Not Impossible: Perennial Borders (MBG)**

Without spending lots of money on plane tickets, see plants from Russia, Georgia, and many other places. Mariel combines these rare and unusual plants with more common plants to create amazing perennial borders. Learn about what plants grow well in St. Louis and where those species originate. Then take a tour of the area and see them in their fall glory. Look closer and gain a new appreciation of the Garden's plant collection.  
**Saturday, September 24**  
**9:30 to 11 a.m.**  
**\$21 members; \$25 nonmembers**  
**Missouri Room**  
**Mariel Tribby**

**EDIBLE GARDENING****Organic Heirloom Vegetables (MBG)**

Heirloom vegetables are open-pollinated, non-hybrid plants that have been around for generations. Discover how adding heirloom vegetables to your garden can reward you with flavorful and colorful new produce. Learn how to select, grow, and harvest heirloom vegetables using organic methods. Seed saving will be included. You will plant heirloom seeds in a small pot, which you can take home for transplanting in the spring.  
**Saturday, February 25**  
**10 a.m. to noon**  
**\$33 members; \$40 nonmembers**  
**Missouri Room**  
**Cheryl Rafert**

**Planning Your Organic Vegetable Garden (MBG)**

Are you dreaming of fresh lettuce, tasty tomatoes, and crisp cucumbers? January is great time to get out your seed catalogs and plan your spring and summer vegetable garden. You will learn about site selection, soil preparation, vegetable suggestions, and general organic gardening techniques. You will have a chance to plant some early seeds to take home. Make 2017 the year of your best vegetable garden yet!  
**Saturday, January 21**  
**10 a.m. to noon**  
**\$33 members; \$40 nonmembers**  
**Missouri Room**  
**Cheryl Rafert and Tammy Palmier**

## GARDENING FOR BIODIVERSITY

**Combining Native Plants  
in your Garden (MBG)** **NEW!**

Do you see native plants for sale at nurseries, but are not sure which ones to choose or how to combine them in your existing garden?

Join us as we take a look at the top 10 native plants, shrubs, and trees for the St. Louis area and learn how to incorporate them into your landscape. Come prepared for a short walk.

**Saturday, October 15**

**10 a.m. to noon**

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

**PlantLab**

**Sharon Lloyd**

**Easy Tree I.D. (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 presentation and lots of time on the Garden grounds. What better place to learn about trees than the best garden in the world!

**3 Wednesdays: September 14, 21, 28**

**(Rain date 10/5)**

**5 to 7 p.m.**

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

**Missouri Room**

**Mike Walsh**

**Landscaping Your Yard for  
Four Seasons (MBG)**

It's not just the flowers that make a garden beautiful! Foliage, color, bark, and contrasting texture can add the impact you are looking for. In this class we will look at tree and shrub selection, bulbs, perennials, and annuals that will keep your garden interesting throughout the year!

**Tuesday, November 1**

**6 to 8 p.m.**

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

**PlantLab**

**Sharon Lloyd**

**A Plant's Life: Phenology (MBG) **NEW!****

The time when plants leaf out, flower, and fruit can change from year to year, depending upon weather, and this can impact how you garden. The Garden is starting an ambitious plan of tracking the life of plants to show how it changes over time. Get the inside scoop from Brittany North on the ways the Garden is using this information for planning, research, and monitoring climate change to make informed decisions about how to garden smarter and improve the landscape. Learn how you can help track phenology too!

**Saturday, October 8**

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

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

**PlantLab**

**Brittany North**

**Native Plant School (SNR)**

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. Registration required.

**Ethnobotany and Native Plant Folklore**

Have you ever wondered how "boneset" or "rattlesnake master" got their names?

Explore historical uses of native plants and the stories which connect them to our predecessors. Enjoy a hike to look at some of the native plants we discuss.

**Thursday, September 8**

**1 to 4 p.m.**

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

**Carriage House**

**April Anderson**

**Fall Flowering Perennials and Grasses**

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 fall and how to garden with them. Students will gain knowledge on planting design and plant placement considerations for sun and shade.

**Thursday, October 13**

**1 to 4 p.m.**

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

**Carriage House**

**Scott Woodbury**

**Grapevine Wreath Making (SNR)**

For ages 13 and up. Learn how to identify, ethically harvest, and weave beautiful grapevine wreaths of various sizes to decorate your home. See how weeds and pods can be incorporated into your design. We will be outdoors during part of the class to gather our materials, so please dress for the weather.

**Thursday, November 10**

**1 to 4 p.m.**

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

**Carriage House**

**April Anderson**

**Getting a Handle on Invasive****Bush Honeysuckle**

Bush honeysuckle is a threat to native ecosystems and landscapes because they compete with native plants for light, nutrients, and moisture. Many natural and landscaped areas have become severely infested with bush honeysuckle due to its original introduction as a landscape plant from Asia and subsequent decades of neglect. Control methods described in this class are designed for both homeowners and landowners who are having problems with bush honeysuckle.

**Thursday, January 12**

**1 to 4 p.m.**

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

**Carriage House**

**Scott Woodbury**

**Greenhouse Propagation of Native Plants**

Growing native perennials, grasses, trees, and shrubs from seed isn't a mystery. This class will introduce the basic propagation methods that involve stratification, scarification, timing, soils, containers, fertilization, and basic insect management. Class will be held in the Shaw Nature Reserve Greenhouse area.

**Thursday, February 9**

**1 to 4 p.m.**

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

**Check in at Visitors Center**

**Terri Brandt**

## LANDSCAPE DESIGN IDEAS

**Gardening under Trees (MBG)**

Are you faced with the ever-present challenge to landscape beneath trees in your yard? Join us as we explore solutions to create a garden full of color and texture in shady environments. Then take a walking tour through the Garden to see prime examples. Class will finish in the Strassenfest Garden.

**Wednesday, September 7**  
**5 to 7 p.m.**

**\$28 members; \$34 nonmembers**  
**Botanical Room**  
**James Wagner**

**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: September 14, 21, 28;**  
**October 5, 12, 19 (optional walk**  
**on 9/28, 5:30 to 6:30 pm)**  
**6:30 to 9 p.m.**

**\$149 members; \$179 nonmembers**  
**Botanical Room**  
**Randall Mardis**

**Designing with Ornamental Grasses (MBG)**

Explore the ever-expanding selection of ornamental grasses. They offer a great diversity of textures, forms, and sizes, and have become a major building block in garden design and specimen plantings. Care, culture, and propagation will be discussed. Class includes a short walk.

**Thursday, September 29**  
**5 to 7 p.m.**

**\$28 members; \$34 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

**Creating a New Garden Bed (MBG)**

Are you a planner? Want to be ahead of the game next spring? Get a jump start on your spring plantings by preparing your new garden bed now. You will save precious time in the spring and the soil will be much healthier after those beneficials work their magic. Come learn about preparing your bed, soil amendments, mulching, and much more. Come prepared for a short walk.

**Saturday, November 5**  
**10 a.m. to noon**

**\$28 members; \$34 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

NEW!

**How to Grow Herbs in the Midwest (MBG)**

NEW!

After 75 years at the Missouri Botanical Garden, the experts at The St. Louis Herb Society literally wrote the book *How to Grow Herbs in the Midwest*. Whether you are a beginner or want to expand your knowledge of culinary, utility, and ornamental herbs and gain a basic knowledge of soil types and environments in which herbs thrive, this class will offer inspiration and new ideas. Questions are welcome! Books and products will be available for purchase. Designed for adults only.

**Tuesday, October 4**  
**6 to 8 p.m.**

**\$37 members; \$43 nonmembers**  
**PlantLab**  
**The St. Louis Herb Society**

**Curb Appeal (MBG)**

Are you looking to add a little curb appeal to your landscape? Whether you have a small city yard or a large corner lot, learn how to transform your boring yard into a beautiful, beneficial, and diverse oasis that humans and wildlife can enjoy together.

**Tuesday, October 11**  
**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

**Flowering Shrubs (MBG)**

NEW!

Would you like to add some color to your foundation plantings? Or add structure to a perennial garden? Colorful flowering shrubs can liven up any landscape, combining seasonal interest with flowers, leaves, and berries. In addition to flower color, blooming time, and cultural requirements, learn which shrubs can add "bonus" features, such as fragrance and fall color to your yard. This class will also include sub-shrubs like butterfly bush.

**Tuesday, November 1**  
**7 to 9 p.m.**

**\$28 members; \$34 nonmembers**  
**Botanical Room**  
**Terry Milne**

**Small Space Gardening (MBG)**

Small spaces can provide big impact. We will discuss many creative ways to design a small space for beauty and function. Using color, line, and form, make a small space appear larger. Learn types of trees, shrubs, ground covers, and perennials that grow well in a small environment, as well as growing techniques, including vertical and container gardening.

**Saturday, February 25**

**10 a.m. to noon**  
**\$28 members; \$34 nonmembers**  
**PlantLab**  
**Sharon Lloyd**

**The Moonlit Garden (MBG)**

NEW!

So many of our gardens are tucked away in the evening hours, not set for another day's work and enjoyment until the sun rises. Certain plants and other garden attributes are at their most stunning in the silvery light of the moon. So why call it a day when you could extend your garden's social life well into the night? Learn how to craft a landscape that captures light, both artificial and natural, even in the darkest hours. Explore the number of plants that bloom in the evening hours, as well as those that feature colors that explode in a full moon's glow. Delve into the use of shrubs with architectural integrity, hardscapes that reflect and absorb light to provide superb backgrounds for the garden, and plants that attract nighttime pollinators. Designed for adults only.

**Thursday, October 20**  
**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
**Missouri Room**  
**Kyle Cheesborough**

**Winning Combinations with Perennials (MBG)**

NEW!

Do you love perennials, but find it challenging when deciding on which ones to combine for that eye-catching look? Learn striking combinations for both sun and shade sure to dazzle your friends and neighbors. We will discuss plants' sun, soil, and moisture needs so you can make your own successful combinations. Come prepared for a short walk.

**Thursday, October 6**  
**5 to 7 p.m.**

**\$28 members; \$34 nonmembers**  
**PlantLab**  
**Sharon Lloyd**



## GREEN LIVING

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

Are you curious about green burial but don't know what, or whom, 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—like "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.

**Wednesday, October 12**

**7 to 9 p.m.**

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

**PlantLab**

**Gracie MacDonell**

### Homemade Cleaners to Go! (MBG)

Join us to mix 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. Snacks will be provided!

**Wednesday, January 18**

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

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

**PlantLab**

**Glenda Abney and Julie Schlepp**

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

Have you ever wondered just how your recycling is separated or how a recycling center operates? Tour the Republic recycling center in Hazelwood and see just how amazing the process can be!

**Monday, September 26 or**

**Tuesday, September 27**

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

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

**Republic Recycling Center**

**6025 Byassee Drive, Hazelwood, MO 63042**  
**Stephen Herring**

### Leaving for the Landfill (MBG)

Take a trip to see where things actually end up when you throw your trash "away." On this popular field trip we will tour a local landfill and learn how landfills are designed to reduce their impact on the environment. Find out about the engineering, regulations and monitoring, and the daily routine of modern landfills. We will discuss the impacts of waste and the future outlook for waste disposal in the St. Louis area. Please arrive on time and ready for adventure for this field trip excursion. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District.

**Tuesday, October 18**

**9 a.m. to noon**

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

**Commerce Bank Education Center, Room 125**

**Kat Golden**

### Eco-Friendly Furniture Repair

In this demonstration and talk, Perennial's Executive Director will share with you some of the organization's tips and tricks to finding furniture, repairing joints, and refinishing surfaces — all with the earth in mind! You'll get the low-down (and potentially dirty) info about where to discover the best "trash" in St. Louis. We'll leak some of Perennial's favorite spots to find discarded furniture, give you insight into the city's bulk trash system, and link you to online resources where someone else's trash can become your treasure. Through hands-on demonstrations, you'll learn all about natural paints, stains, and waxes. Learn to add a pop of color to your projects with milk paint, mix and apply a fresh coat of Perennial's signature wood wax, and cook up natural stain from walnuts. You'll leave this workshop with the knowledge to add a whole new look to your furniture without harming the environment or your compromising your health.

**Tuesday, January 24, 2017**

**7-9 pm**

**\$35 for members, \$45 for non-members**

**Plant Lab**

**Perennial**

## GUIDED WALKS AND TOURS

### Behind the Scenes: Holiday Show Production (MBG)

Here is your special opportunity to view the behind-the-scenes floral production of the Garden's annual holiday show. Take a tour of the Garden greenhouse facilities with nursery supervisor Derek Lyle and learn the efforts and processes to produce each holiday display. Topics discussed will include at-home poinsettia care, significance behind this year's display theme, and select plant production during the fall and winter months. Space is limited, so register early!

**Saturday, November 12**

**10 a.m. to noon**

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

**Meet at Ridgway Center Ticket Counter**

**Derek Lyle**

### Behind the Scenes: 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.

**Monday, September 19 or**

**Tuesday, September 20**

**5 to 7 p.m.**

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

**Meet at Ridgway Center Ticket Counter**

**Greg Cadice**

### Behind the Scenes: Orchid Greenhouse (MBG)

Don't miss this opportunity to view the orchids the way few have seen. Babs Wagner will give you a guided tour of the orchid range in the Garden's main greenhouses. As you walk through the range, you will learn helpful tips on how she grows and cares for the Garden's outstanding orchid collection. Sign up early! Space is very limited.

**Saturday, November 5**

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

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

**Meet at Ridgway Center Ticket Counter**

**Babs Wagner**



### Magnificent Trees of the Garden (MBG)

In this class, you will visit more than 30 of the great specimen trees of the Garden, including several trees believed to have been planted during the life of Henry Shaw. Interesting information will be provided on each tree with emphasis on native range, growing habits, outstanding ornamental features, historical anecdotes, and assets/liabilities regarding growth in the St. Louis area. A true delight for the tree lover!

**Wednesday, October 5**

**4 to 6 p.m.**

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

**Meet at Ridgway Center Ticket Counter**

**Alan Stentz**

### The Spice of Life! (MBG)

NEW!

Add more spice to your life and learn what ethnobotanists do in this interactive class. Jessie Griffard with the William L. Brown Center will take you on a tour of the biocultural collection of artifacts and describe how plants are used all over the world from clothing to weapons to food. Ethnobotanists study how people use plants and in this tour you have an opportunity to explore how people use spices in different ways. You will then get a chance to make your own set of five different spice blends with tastes representing five different continents where the Garden staff performs research.

**Monday, October 17**

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

**\$31 members; \$34 nonmembers**

**Monsanto Center Lobby**

**Jessie Griffard**

**Tour of the Sustainable Garden (MBG)**

How green is the Garden? Take a tour of the Missouri Botanical Garden that focuses on the Garden's sustainability efforts, including waste minimization, energy efficiency and conservation, and resource conservation. Learn the behind-the-scenes sustainability efforts at the Garden with Jim Biggs, Manager of Sustainability Education, from the parking lot to the Climatron and other points throughout the Garden. Not only learn how the Garden works to be more sustainable, but learn how you can be more sustainable at home!

**Saturday, September 24**  
noon to 2 p.m.

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

**Meet at the Ridgway Center Ticket Counter**  
**Jim Biggs**

**Valentine's Night Hike (SNR)**

Bundle up and spend the evening under the stars with your sweetheart, friends, or adult family members! Use your senses to enjoy the wonders of a crisp, cool, but invigorating Nature Reserve winter night. You will have the opportunity to see the constellations and planets using our telescope (weather permitting). After the hike there will be hot beverages and delectable desserts to share. What a unique way to say, "I love you!" Price is per person. Registration required.

**Saturday, February 11**  
7 to 10 p.m.

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

**Dana Brown Overnight Center**  
**Shaw Nature Reserve staff and volunteers**

**Wetland Evening Walk (SNR)**

As the sun begins to set and the nighttime takes over, the wetland becomes a magical place. Join Nature Reserve naturalist James Trager for this evening stroll as we take in the sights and sounds of this fascinating ecosystem and its prairie watershed. We'll enjoy a glass of wine (or non-alcoholic beverage) as we stop briefly on the boardwalk to learn about this richly diverse habitat. Dress for the weather and wear comfortable shoes for this 1-mile walk. Registration required.

**Friday, September 9**  
6 to 8:30 p.m.

**\$22 members; \$26 nonmembers**

**Meet at the SNR Visitor's Center**  
**Dr. James Trager**

NEW!

**Wetland Mitigation Bank Tour (SNR)**

Ride with us over to this remote area of Shaw Nature Reserve, not typically open to the public, across the Meramec River. We will take a 2-hour tour, on foot, with moderate hiking on uneven ground and no modern facilities (though there is an outhouse near the parking area). You will hear about the wetland mitigation program, potentially see wildlife, and learn a bit about wetland plants. Bring binoculars, water, and comfortable shoes.

**Friday, October 28**

**10 a.m. to noon**

**\$18 members; \$22 nonmembers**

**Meet at the SNR Visitor's Center**

**Dr. James Trager**

NEW!

**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 non-alcoholic 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, October 7**

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

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

**Meet at the SNR Visitor's Center**

**Lydia Toth, Rachel Weller, and volunteers**

**Climatron Tour (MBG)**

NEW!

Go on a journey through the tropical rainforest in the middle of the St. Louis winter. Take a tour of the Climatron which focuses on the Climatron's sustainable operation and on the importance of maintaining the biodiversity of the rainforests of the world.

**Saturday, February 11**

**noon to 1:30 p.m.**

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

**Climatron Main entrance**

**Jim Biggs**

# HEALTH AND WELLNESS

**Garden Yoga (MBG)**

Make the Garden your sanctuary with a Sunday morning yoga session among the flowers. Enjoy an hour-long, all-levels yoga class led by a Yoga Buzz instructor. 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.

**3 Sundays: September 11, 18, 25**

**9:30 to 10:30 a.m. or 11 a.m. to noon**

**\$48 members; \$58 nonmembers**

**Garden Room/Garden Grounds**

**Yoga Buzz Instructor**

**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). Registration required.

**6 Sundays: September 11, 18, 25;**

**October 2, 9, 16**

**11 a.m. to noon**

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

**Carriage House**

**Barbie Benetin**

**Reflections in the Garden (MBG)**

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. 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, and bring a quiet serenity.

**2 Sundays: September 18, 25**

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

**\$42 members; \$51 nonmembers**

**Garden Room/Garden Grounds**

**Rhonda Leifheit**

**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: September 23, 30;**

**October 7, 14, (Rain Dates October 21, 28)**

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

**\$75 members; \$90 nonmembers**

**Garden Room/Garden Grounds**

**Rhonda Leifheit**

**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 one's environment to reduce fall-risk factors. Class will be held in the classroom and outdoors. In partnership with the University of Missouri Extension.

**8 sessions: September 12, 14, 19, 21, 26, 28; October 3, 5**  
**9 to 11 a.m.**

**\$40 members; \$48 nonmembers**  
 Garden Room/Garden Grounds  
 Leslie Bertsch MS, MPH, RD, LD

**Wednesday Walkers (SNR)**

Walks begin at 1 mile and work up to 3 (weather permitting). At the end of 2 months you will have hiked most of Shaw Nature Reserve's trails and made new friends. The final walk is called "Reward Wednesday" and includes a potluck gathering. Registration required.

**Wednesdays in September and October**  
**10 to 11:30 a.m.**

**Free for members; Included with  
 for admission nonmembers**  
**Follow the signs from the entrance**  
 Rachel Weller



## HISTORY AND HERITAGE NEW!

**Beneath the Trees (MBG)**

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 meditate beneath a tree that calls to you and notice what is evoked in the stillness, or simply enjoy the shelter your tree provides.

**Sunday, October 23**  
**9 to 11 a.m.**

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

**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. Designed for adults only.

**Saturday, October 22**  
**10 a.m. to noon**

**\$40 members; \$48 nonmembers**  
 Bellefontaine Cemetery  
 4947 West Florissant Ave., St. Louis, MO 63115  
 Meet at cemetery entrance  
 Kyle Cheesborough

**Garden Ghost Stories (MBG)**

Experience the Garden at dusk when the spirits are alive. Walk through Tower Grove House and enjoy a special opening of the Museum Building to hear tales of history, as well as stories of unexplained interactions on Garden grounds with figures from the past. Bring a flashlight to add to the atmosphere of this popular offering. Be prepared for a 2 hour walk and talk.

**Tuesday, October 25 or Thursday, October 27**  
**6 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
 Meet at Ridgway Center Ticket Counter  
 Kim Petzing



### Preserving Our Books: Conservation at the Peter H. Raven Library (MBG)

**NEW!**

The Missouri Botanical Garden has one of the most important botanical book collections in the United States and preserving it for future generations of researchers is vitally important. We will show you some of the treasures in the Rare Book Room and then take you behind-the-scenes to the Book and Paper Conservation Lab to find out how conservators work to prolong the life of this collection. A brief hands-on activity will introduce you to some of the materials and methods of the book conservator. Prepare to get sticky hands! Designed for adults only.

**Saturday, January 21**

**10 a.m. to noon**

**\$28 members; \$34 nonmembers**  
 Monsanto Center Lobby  
 Susan Cobbledick



## 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 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, September 24  
10 to 11:30 a.m.**

**\$21 members; \$25 nonmembers  
Meet at Ridgway Center Ticket Counter  
Wendy Applequist**

## Caring for Your Memories (MBG)

Have an antique item passed down in your family for generations? Learn more about the preservation of your favorite family heirlooms and how easy it is to do at home. With interactive lessons about "do's and don'ts" of historic preservation, explore the world of conservation with our historical interpretation specialist. (Optional: Bring an heirloom from home and learn how to protect it.) No experience is required—just a love of history!

**10 a.m. to noon**

**\$28 members; \$34 nonmembers  
Meet at the Ridgway Center Ticket Counter  
Haley Gard**

## Photos and Scrapbooks

**Tuesday, January 17**

## Textiles and Quilts

**Tuesday, February 14**

NEW!

## Inside Look at Shaw Nature Reserve

Shaw Nature Reserve staff and volunteers will share the history of the Nature Reserve with you through pictures or take you on a tour around the property or behind the scenes in our historic buildings. Registration required.

## Inside Look at Shaw Nature Reserve: Wilderness Wagon Tour (SNR)

Climb aboard the Wilderness Wagon for a 3-mile tour around Shaw Nature Reserve's main loop road. Learn 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 personnel will narrate the tour to share our history.

**Friday, September 30**

**10 a.m. to noon**

**\$7 members; \$9 nonmembers  
Meet at the SNR Visitor's Center  
Shaw Nature Reserve Staff**

## Inside Look at Shaw Nature Reserve: Cemetery Tour (SNR)

Climb aboard the Wilderness Wagon to begin our journey to visit a grave and a cemetery here at Shaw Nature Reserve. There will be some hiking to lead you by the tombstone in the garden and to the Roberts cemetery where the last burial was in 1868. As we travel by the faint light from the crescent moon, you will hear the stories of the families who lived here.

**Tuesday, October 25**

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

**\$7 members; \$9 nonmembers  
Meet at the SNR Visitor's Center  
Aileen Abbott**

## Inside Look at Shaw Nature Reserve: History of the Lodges (SNR)

There are six log buildings on the Nature Reserve property that comprise the Dana Brown Overnight Center, an off-the-beaten-path area. We will tour the lodges, see pictures of what they looked like in their original locations, and hear stories about their history.

**Friday, November 18**

**10 a.m. to noon**

**\$7 members; \$9 nonmembers  
Adlyne Freund Center  
Shaw Nature Reserve Staff**

# NATURE STUDY



## Fall Wildflower Ramble (SNR)

Join these informal, educational walks in appreciation of the end of summer wildflower season in Shaw Nature Reserve's diverse plant habitats. Wear comfortable hiking clothes and bring a sack lunch (optional). These hikes are led by wildflower naturalists. Registration required.

**Tuesday, September 13 or**

**Tuesday, September 20 or**

**Tuesday, September 27**

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

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

**Meet at the SNR Visitor's Center  
Dr. James Trager with Dick and Susie Russell**

## Monarch Butterflies:

NEW!

## The Migration South (BH)

Learn about the fantastic journey the Monarch butterfly takes each fall as it flies through St. Louis on its way to Mexico. This class will use a slide show to describe the Monarch's biology, ecology, and migration path. We will have Monarch tags, used to track the migrating butterflies, and we will give instructions on how anyone can tag migrating Monarchs on their own. Each participant will receive a packet of native milkweed seeds that can be planted over winter to grow the next spring.

**Saturday, September 24**

**11 a.m. to noon**

**\$17 members; \$20 nonmembers  
Lopata Learning Lab  
Chris Hartley**

## Monarch Butterflies:

NEW!

## The Journey North (BH)

This class will cover the return of the Monarch butterflies from their overwintering homes in Mexico. We will present 2 citizen science projects: the Journey North and the Monarch Larva Monitoring Project. These easy projects allow anyone to contribute to the scientific observations that have helped us learn what we know about the Monarch's journey. The instructor will also discuss how the Monarch survives spring and summer in the U.S. and Canada. Each participant will receive a packet of spring blooming seeds to take home.

**Saturday, February 18**

**11 a.m. to noon**

**\$17 members; \$20 nonmembers  
Lopata Learning Lab  
Chris Hartley**

## Birding II (MBG)

If you've already taken the "Basics of Birding" class or have some prior birding experience, then challenge yourself to learn more during this in-depth 12-session course! The six evening classes will focus on major groups like shorebirds, warblers, hawks, waterfowl, and gulls. Additional topics may include optical equipment, speciation, songs and calls, and how to document sightings.

The six full-day, weekend field trips will visit a number of good birding areas to experience the successive stages of fall migration. Participants provide their own transportation and lunch. Designed for adults only.

**6 classes: September 7, 12; October 10, 24;  
November 14; December 5**

**7 to 9 p.m.**

**6 field trips: September 10, 17; October 15, 30;  
November 19; December 10**

**7 a.m. to 4 p.m.**

**\$250 members; \$300 nonmembers  
First class held in Garden Room  
Bill Rowe**

## Carnivorous Plants (MBG)

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

**Thursday, October 13**

**6 to 8 p.m.**

**\$28 members; \$34 nonmembers  
Missouri Room  
Kyle Cheesborough**



“If you have a  
garden and a library,  
you have everything you need.”

– Marcus Tullius Cicero

## A Garden and a Library Book Club

### At the Edge of the Orchard (MBG) **NEW!**

Our first selection for the new “A Garden and a Library” Book Club is Tracy Chevalier’s 2016 novel, *At the Edge of the Orchard*. A master at weaving a fictional, yet historically accurate tale, Ms. Chevalier’s most recent story is set among the apple trees in Ohio and the redwoods and sequoias of California. The evening will include a book discussion, historical perspectives of plant trading, apple tasting, and a guided walk to view the Garden’s Dawn Redwood collection.

**Wednesday, September 21**

**6 to 8 p.m.**

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

**PlantLab**

**Melissa Poth**

### Beatrix Potter’s Gardening Life (MBG)

In celebration of the 150th anniversary of Beatrix Potter’s birth, Book Club will discuss her biography, *Beatrix Potter’s Gardening Life* by Marta McDowell. The evening will include a book discussion, a basic watercolor lesson, and in honor of Beatrix’s autumn ritual, we will hold a seed and plant exchange. Weather- and time-permitting, we may get in a Garden walk.

**Thursday, November 3**

**6 to 8 p.m.**

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

**PlantLab**

**Melissa Poth**

### What a Plant Knows (MBG)

Our winter selection for “A Garden and a Library” Book Club is *What a Plant Knows: A Field Guide to the Senses* by Daniel Chamovitz. Highlighting the latest research in genetics and more, Dr. Chamovitz takes us into the inner lives of plants and draws parallels with the human senses to reveal that we have much more in common with sunflowers and oak trees than we may realize. The evening will include a book discussion, hands-on science, and a guided tour of the carnivorous plant bog in Shoenberg Temperate House. All participants will plant *Mimosa pudica* seeds to take home.

**Monday, January 30**

**6 to 8 p.m.**

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

**PlantLab**

**Melissa Poth**

## Caves and Karsts of Meramec State Park (off-site)

For adults only. This course will focus on the caves and karsts of Meramec State Park. After an introduction we will see sinkholes, caves, and the spring at the end in the Bear Cave-Copper Hollow Karst Complex. We will also hike to the site/dump of the Copper Hollow mine that operated in the mid-1800s. Come ready for approximately 5.5 miles of moderate hiking—wear your hiking shoes/boots and bring your notebook! You will need water, a change of clothes, and lunch. We will not be going in the caves due to white-nose syndrome. Meet at the Meramec State Park amphitheater for the beginning of the program.

**Saturday, November 19**

**9 a.m. to 1:30 p.m.**

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

**Meramec State Park**

**Visitor Center’s Amphitheater**

**670 Fisher Cave Drive, Sullivan, MO 63080**

**Master Naturalists Danny McMurphy**

## Collecting and Conserving Seeds of Native Plants (SNR)

Seed collection is an excellent and economical way to increase the diversity of your native plant garden and 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, seed storage, and seed cleaning techniques. Take a ride on the Wilderness Wagon to collect seeds before we head over to the seed bank.

You will receive hands-on experience while collecting. At the seed bank you will use tools to clean seeds and view the work that the Garden is doing to protect the diversity of native plant species in Missouri via collection and storage of seeds. Please note that we will not go over propagating plants from seed, but there will be a book list.

Registration required.

**Friday, October 7**

**1 to 3 p.m.**

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

**Meet at the SNR Visitor’s Center**

**Megan Engelhardt**



## Coloring in the Collection: An Artsy Activity Just for Grown-Ups (MBG)

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, November 10**  
**6:30 to 8 p.m.**

**\$28 members; \$34 nonmembers**  
**Monsanto Center Library**  
**Doug Holland, Heidi Schmidt,**  
**and Lauren Peters**

## Reading the Landscape (SNR)

Join naturalist James Trager to explore past land use at the Nature Reserve and its long-lasting effects on the environment, as revealed by characteristics of the current vegetation. This educational hike will take you through the various landscapes of the Nature Reserve. Registration required.

**Saturday, November 12**  
**9 a.m. to noon**

**\$16 members; \$20 nonmembers**  
**Meet at the SNR Visitor's Center**  
**Dr. James Trager**

## Tips and Tricks to Backyard Maple Syrup (SNR)

Interested in making your own maple syrup? Come and join us for this beginner's maple syrup class. You will learn how to tap a tree, what tools to use, and how to keep production costs down. Please dress for the weather—a majority of the time we will be outside. Samples will be served.

**Saturday, January 28**  
**1 to 3 p.m.**

**\$10 members; \$12 nonmembers**  
**Carriage House**  
**Karen Bryan**

## Trees of Shaw Nature Reserve (SNR)

Impress friends and family with your newfound tree expertise after experiencing this expert-led tour. This program covers identification of native Missouri's trees with emphasis on the oaks. We will also seek out some of the giant trees of the Nature Reserve and some lesser known species of small trees.

**Saturday, October 22**

**9 a.m. to noon**

**\$20 members; \$24 nonmembers**  
**Meet at the SNR Visitor's Center**  
**Dr. James Trager**

## 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 serious students, will increase their knowledge and appreciation. Come ready for moderate hiking with notebook in hand!

**Saturday, October 1**

**9 a.m. to noon**

**\$18 members; \$22 nonmembers**  
**Meet at the SNR Visitor's Center**  
**Dr. James Trager**

## Winter Tree I.D. for Beginners (SNR)

Learn to identify a tree without the leaves! We will begin indoors viewing different tree bark, branching, coloration, buds, and more. A short hike through the woods to test your knowledge will follow. By the end of the program you will be able to easily identify a minimum of 10 native trees.

**Friday, February 24**

**10 a.m. to noon**

**\$7 members; \$9 nonmembers**  
**Carriage House**  
**Rachel Weller**

# OVERNIGHT PROGRAMMING



## Pond-to-Plate Overnight (SNR) **NEW!**

For adults only. Come join us for night and morning fishing at several of our well-stocked ponds (fishing is only allowed during programs, so this is a rare treat). Practice catch and release, or keep some of your catch to cook as part of our angler's lunch, which includes country fixings (cornbread, coleslaw, baked beans, collard greens, and apple pie). Watch a filleting demonstration and then fillet your catch. Bait and extra poles will be available, but you are welcome to bring your own pole and a lawn chair. Accommodations are dormitory-style in our historic log lodges. All meals provided.  
**Saturday October 15 at 11 a.m. to Sunday October 16 at 11:30 a.m.**  
**\$80 members; \$95 nonmembers**  
**Dana Brown Overnight Center**  
**Aileen Abbott**

## Basket Making Overnight (SNR)

For adults only. This is an overnight basket weaving class in which you choose the basket(s) you will make. Register by early November to choose from a list of baskets (with pictures and level of difficulty) so that we may order the material. An email will be sent to you with the baskets you can choose from. Beginners are welcome. Meals and a dormitory-style overnight in a delightful historic log lodge are included. You will pay the instructor separately (from \$15 to \$30 per basket) for the materials you order in November.

**Friday, January 6 at 7 p.m. to Saturday, January 7 at 3 p.m.**  
**\$80 members; \$95 nonmembers**  
**Dana Brown Overnight Center**  
**Linda Brown**

## It's Your Weekend Overnight (SNR)

For adults only. Are you looking for time to yourself to read, paint, walk, or write? Bring your camera, bicycle, binoculars, or whatever! Spend all the time you want doing what you want, either by yourself or with others in front of a fire; taking an afternoon or night hike; or participating in a nature writing workshop. Accommodations are dormitory-style in our historic log lodges. All meals provided. An optional night hike is offered.

**Saturday, January 28 at 9 a.m. to Sunday January 29 to 11 a.m.**  
**\$85 members; \$102 nonmembers**  
**Dana Brown Overnight Center**  
**Helen McCallie**



# 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 which are noted in each class description.



## Canopy Climb (SNR)

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. In this 2-hour course taught by expert instructors, you will be introduced to the extraordinary world of recreational tree-climbing. Learn tree-climbing mechanics including techniques, balance, and safety; and 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 per session.

**Saturday, September 10 or**

**Sunday, September 11 or**

**Saturday, October 15 or**

**Sunday, October 16;**

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

**Priced Per Session.**

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

**Meet at the Bascom House**

**Jon Richard and Vertical Voyages team**

## Full Moon Night Hike for Adults (SNR)

Join us for this 2-hour stroll through the evening and into the early night. The sun will set before the hike starts, but our senses will allow us to enjoy the sights, sounds, and smells of a winter evening at Shaw Nature Reserve. Participants will 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. Registration required.

**Monday, November 14**

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

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

**Meet at the SNR Visitor's Center**

**Rachel Weller**

## GPS and Orienteering Historical Hike (SNR)

For families with children ages 6 and older. Before Shaw Nature Reserve called this land home, it was home to many others. Let's explore the historic remnants that can be found on our property. We'll review how to use GPS units and compasses. Then we'll to travel from site to site, learning about who was here before Shaw Nature Reserve. Price per person.

**Friday, November 11**

**10 a.m. to noon**

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

**Carriage House**

**Rachel Weller**

## Hiking With Rover (SNR)

For families with children of all ages. Take your favorite canine companion for a 2-hour hike led by Shaw Nature Reserve staff. This is a rare opportunity to spend time with your four-legged friend in an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people) and remain on a 6-foot leash at all times. You must pick up and properly dispose of all waste. Hikes are on trails over rolling terrain. Registration required. Price per person.

**Sunday, September 11**

**5 to 7 p.m.**

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

**Adlyne Freund Center**

**Karen Bryan**

## Mini Hiking with Rover (SNR)

For families with children of all ages. If you wanted to bring your dog for Hiking with Rover in the past, but preferred a shorter hike, then this class is for you. Bring your favorite canine companion for a 1-hour hike led by Shaw Nature Reserve staff. This is a rare opportunity to spend time with your four-legged friend in an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people) and remain on a 6-foot leash at all times. You must pick up and properly dispose of all waste. Registration required. Price per person.

**Sunday, October 9**

**5 to 6 p.m.**

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

**Adlyne Freund Center**

**Karen Bryan**

## Ice Cave Hike (SNR)

For adults only. Explore 4 miles of the less-traveled trails of Shaw Nature Reserve to view ice formations, small frozen waterfalls, temporary ice stalactites, needle ice, and frost flowers. We will also trek by the cave to see what unique ice formations are near it. Warm up with hot chocolate after the hike.

**Wednesday, February 22**

**10 a.m. to noon**

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

**Bascom House**

**Rachel Weller**

## Trail Social Run (SNR)

For ages 16 and up. Our social runs introduce you to plants, animals, and trails at the Nature Reserve while enjoying the company of other runners. The route is 5 to 7 miles. All paces welcome. Weather dependent. Maps available upon request. No pre-registration; walk-ins only. Please stop at the Visitor Center to pay prior to class.

**Thursdays in September, October, and November; no run 11/24**

**8 to 9 a.m.**

**Free for members; Included with admission for nonmembers**

**Meet at the SNR Visitor's Center**  
**Rachel Weller**

## Nature Navigators

For families with kids ages 6 to 12 with an accompanying adult. 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.

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

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

**Rachel Weller**

## Full Moon Night Hike for Families

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 the full moon should provide all the light needed to enjoy the sights, sounds, and smells of a fall evening at Shaw 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 Nature Reserve. All else excluded, the sight of a full moon rising over acres of tallgrass prairie makes the journey to the Nature Reserve worth the time spent.

**Friday, October 14**

**Meet at the SNR Visitor's Center**

## Arghhhh! Let's Hike

Arrive at dusk and create your own candle by the campfire, similar to how the chandlers did during the time of pirates. Then we will head out on a night hike using the light of lanterns as our guide and end our adventure by eating a treasure of a treat: s'mores!

**Friday, November 4**

**Carriage House**

# YOUTH AND FAMILY

AGES 6 AND UNDER



## THE LITTLE YEARS

The Little Years Series is designed for parent-and-child experiences at three 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 includes hands-on activities, songs, stories, snacks, and a short walk. Price per child. One adult per child.

**PLEASE NOTE:** Little Sprouts, Little Nature Explorers, Little Bugs, and Garden Buds are specifically designed as an adult/child program. Having younger children present can distract from the one-on-one experience for you and for others. Please no infants or toddlers.



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: Fall (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. This fall we will search for the Garden's full-time residents— insects, frogs, and furry friends. Price per child. One adult per child, please.

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

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

**Botanical Room**

**Kelly Wehrheim**

#### Monday Series

**7 Mondays: September 12, 19, 26;**

**October 3, 10, 17, 24**

#### Tuesday Series

**7 Tuesdays: September 13, 20, 27;**

**October 4, 11, 18, 25**

#### Wednesday Series

**7 Wednesdays: September 14, 21, 28;**

**October 5, 12, 19, 26**

### Little Sprouts: Winter (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 4-week series. This winter, we will learn about how the Garden changes when snow is on the way.

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

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

**Botanical Room**

**Kelly Wehrheim**

#### Monday Series

**4 Mondays: November 21, 28; December 5, 12**

#### Tuesday Series

**4 Tuesdays: November 22, 29; December 6, 13**



### Little Bugs: Fall (BH)

For ages 2 to 4. Bring your child to learn about butterflies and create a unique work of art together. Each session includes a hands-on craft, snack, story, and walk through the butterflies. We will walk outside, weather permitting. Little Bugs learn colors, numbers, and other school-ready skills, as well as gain social experience with other children their age. Price per child. One adult per child, please.

**6 Wednesdays: September 21, 28;**

**October 5, 12, 19, 26**

**10 to 11 a.m.**

**\$96 members; \$114 nonmembers**

**Lopata Learning Lab**

**Chris Hartley**



### Little Nature Explorers (SNR)

For ages 3 to 5. Early childhood peer interaction is key to early development. Each week has a different nature-based theme, hands-on activities, story time, and snack provided. We will explore outdoors, weather permitting. Take one class or take them all. Register by September 5 for 3 or more Little Nature Explorer classes and your child will receive a free t-shirt. Price per child per class. Price per child. One adult per child, please.

**Tuesdays: September 13, 20, 27;**

**October 4, 18, 25; November 1, 8, 15**

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

**\$12 members; \$15 nonmembers**

**Price per class**

**Karen Bryan**

**Carriage House**



### Tykes Trek (SNR)

For ages 3 to 5. You are your child's best guide to the outside. 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. We will hike and do activities as we explore and discover. Each week we will go to a different place. Take one class or take them all. Class will be canceled if it rains. Price per class. Limit two children per adult.

**Mondays: September 12, 26;  
October 3, 17, 24, 31;  
9:30 to 11 a.m.**

**Free for members; \$5 price  
per child nonmembers  
Meet at the SNR Visitor's Center  
Karen Bryan**

### Garden Buds (MBG)

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by September 9 for 3 or more Garden Buds fall classes and your child will receive a free t-shirt. Price per child; Price per class. One adult per child, please.

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

**Kelly Wehrheim or**

**Sundays: 1 to 2:30 p.m.**

**Sharon Lloyd**

**\$16 members; \$19 nonmembers**

**Botanical Room\***

### Under the Garden

Does your preschooler like to dig? Learn about life under the Garden using magnifying lenses as we investigate life in the soil.

**Thursday, September 8 or**

**Sunday, September 11**

**\*Class in PlantLab**

### Peek at a Pond

Have you ever wondered why some plants can live in the water, or what animals live in and around the pond? Come along as we explore some of the plants and animals that call the pond their home.

**Thursday, September 22 or**

**Sunday, September 25**

### Beautiful Bamboo

Learn about the many uses of bamboo and create a sumi-e painting!

**Thursday, October 20 or**

**Sunday, October 23**

### Leaf Giants

Learn about the giant trees and their leaves as the Garden settles into fall.

**Thursday, October 27 or**

**Sunday, November 6**

### Cheer for Chocolate

Yay for chocolate! Join us to study and sample this favorite tropical treat!

**Thursday, November 10 or**

**Sunday, November 13**

### Plants as Presents

Create potted gifts for the holiday season and enjoy the Gardenland Express Holiday Flower and Train Show!

**Thursday, December 8 or**

**Sunday, December 11**

## AGES 6 AND UP

### Great Green Adventures (MBG)

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**

### Celebrate Urban Birds

Join us as we celebrate birds and learn about this Citizen Science project from Cornell Lab of Ornithology.

**Saturday, September 17**

### I Spy Fall

The leaves have fallen; birds have begun migrating; and the weather is cooler. Join us as we search the Garden for signs of fall.

**Saturday, October 15**

### Preparing for Winter

Winter will soon be approaching. Let's search the Garden and discover what the plants and animals do to prepare for winter.

**Saturday, November 19**

### Trees with Winter Coats

Why do some trees keep their leaves or needles over the winter and others lose them? Join us as we get to know the trees in the Garden by their bark, needles, or berries.

**Saturday, December 17**

### Winter Color Walk

There may not be many plants blooming, but that doesn't mean we can't find color in the Garden. Join us as we seek out common, and not so common, colors in the Garden.

**Saturday, January 21**

### Sweet Smells of the Indoor Garden

Join us as we explore the Linnean House, the oldest greenhouse west of the Mississippi. We'll also be able to enjoy the peak blooming time of the Camellias.

**Saturday, February 18**



### Discover Nighttime Insects: Fall Backlighting (BH)

For ages 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, September 24**

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

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

**Meet at the Butterfly House front desk**

**Chris Hartley and Tad Yankoski**



## FAMILY PROGRAMMING

**Discover Nature Families (SNR)**

For families with kids of all ages. Missouri Master Naturalist Volunteers will teach your family about mammals through hands-on, interactive activities. Stop by for a few minutes or an hour. No registration is required. Free with admission to Shaw Nature Reserve.

**10 a.m. to noon**

**Free for members; Included with admission for nonmembers**  
**Nature Explore Classroom**  
**Master Naturalists**

**Wild About Water**

Learn about the importance of aquatic food chains and wetlands and how to care for them.

**Saturday, September 3**

**Wildflowers**

Learn how to identify different flowers and their importance in nature. Plant a seed and take it home to your own garden.

**Saturday, September 10**

**Missouri Mammals**

Learn about the importance of wild mammals and how to identify and protect them.

**Saturday, October 1**

**Treemendous Trees**

Learn about the importance of trees and how to care for them.

**Saturday, October 8**

**Shaw Family Adventures (SNR)**

For families with kids ages 3 to 10 with an accompanying adult. Join us for an adventure and get hands-on with nature! Each class includes outdoor activities for your family to learn about the plants, animals, and outdoor skills at the Nature Reserve. Price per class, per child.

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

**\$7 members; \$9 nonmembers**  
**Carriage House**  
**Rachel Weller**

**Plants and Pollinators**

We'll hike to see if we can spy a monarch butterfly, go on a scavenger hunt for plants that pollinators like, play games, hear a story, and make a craft. Plus, you'll take milkweed seeds home to create a habitat for Monarchs in your own backyard.

**Friday, September 2**

**Fall Fruits**

Did you know that pumpkins, gourds, and squash are fruits? Learn about them as we play games, hear a story, hike to find hidden gourds, and decorate a gourd to take home.

**Friday, October 21**

**Leaf Hide and Seek**

We'll go on a scavenger hunt for signs of fall, create a treat for the squirrels, make a craft, play hide and seek among the fall leaves, and read a story.

**Wednesday, November 2**

**Scavenger Hunt in the Garden: NEW!****How is the Garden Green? (MBG)**

For families with kids ages 8 and up. Bring the family and have an adventure in the Garden! Search for sustainable elements from geckos in the Climatron to compost heaps to solar panels. This photo scavenger hunt will be a fun way for you and your family to experience the beauty of the Garden and learn what makes the Garden green. Join Jim Biggs, Manager of Sustainability Education, to learn how the Missouri Botanical Garden strives to grow green, build green, and share green. Price includes one child and one adult.

**Sunday, September 18**

**1 to 3 p.m.**

**\$20 members; \$25 nonmembers**  
**Lobby outside of the PlantLab**  
**Jim Biggs**

**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. This "club" is designed for families who like to get outside, hike, learn, and explore together. Hands-on activities will be geared to 6 to 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. Registration required. Price per person. Ages 2 and under are free.

**Saturday, October 8**

**1 to 3 p.m.**

**\$7 members; \$9 nonmembers**  
**Carriage House**  
**Karen Bryan**

**Nature Loving Families: Fall into Phenology with Project BudBurst (MBG)**

For families with kids ages 6 and older. Join us as we use *Nature's Notebook* to learn about nature while helping scientists and researchers gain knowledge about the plants and animals in our 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 new series 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 explore a new topic that can be observed using *Nature's Notebook*, as well as 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 environment. Join us as we explore the Garden for fall colors and gather data for 'Fall into Phenology with Project BudBurst'. Price per person.

**Saturday, September 24**

**10 to noon**

**\$6 members; \$8 nonmembers**  
**Botanical Room**  
**Kelly Wehrheim**



## SPECIAL EVENTS



### Bug Hunt (BH)

For families of all ages. Join the Butterfly House for a fun day of bug hunting! Borrow a net and venture into Faust Park where our entomologists will help identify the bugs you catch. Then come to our exhibit hall and Butterfly Garden to make crafts and play games about native bugs. Our special topic this year will be the Monarch butterfly and its fantastic migration, which happens in September in Missouri. The outdoor bug hunts take place periodically throughout the event. All bugs will be released at the end of the hunts.

**Sunday, September 11**  
**10 a.m. to 3 p.m.**

**Included with admission**  
**Butterfly House Staff**

### Wicked Wings and Wine (BH) NEW!

Advance reservations required; for ages 21 and up. Spiders and beetles and butterflies, oh my! Join us for happy hour at the Butterfly House to celebrate the spirit of Halloween. As twilight approaches, sample local brews and wines while you learn about our Owl butterflies, which are most active at dusk. Encounter other spook-tacular live animals featured during the event. Take a stroll through the torch lit garden and enjoy festive music. Dare to try our chocolate ants or barbecued meal worms! Don't worry...other light appetizers will also be provided.

**Wednesday, October 19 or**  
**Wednesday, October 26**  
**5:30 to 7:30 p.m.**

**\$20 members; \$31 nonmembers;**  
**\$15 designated drivers**

### Booterflies Ball (BH) NEW!

For families of all ages. Step into the wonder and beauty of butterflies, insects, spiders, and their other many-legged friends! Your little bugaboos will be able to play games, create spook-tacular crafts, and take home lots of loot as they visit our many hand-painted Treat Houses. Admission into the Butterfly House, activities, light refreshments, crafts, treats, and goody bags are included in the event ticket price. Reservations are required. Price is per person. Free for ages 12 months and younger.

**Saturday, October 22 or Sunday, October 23**  
**5 to 7 p.m.**

**\$12 members; \$14 nonmembers**  
**Butterfly House Staff**

### Books and Butterflies (BH)

For families of all ages. Join us for special story time readings with "celebrity" guests from classic children's literature, local St. Louis landmarks, sports mascots, and more!

**November 1 to 20 (excluding Mondays)**  
**11 a.m. to noon**

**Included with admission**  
**Butterfly House Staff**

### Bookworm Breakfast: Featuring Clifford the Big Red Dog (BH)

For families of all ages. Did you ever wonder where butterflies go when the temperature gets colder? Join our friend, Clifford the Big Red Dog, for breakfast at the Butterfly House to find out! Families will enjoy breakfast provided by The Original Pancake House, listen to a storybook reading, and make crafts. This special day will be captured by a souvenir photo with Clifford. Space is limited and reservations are required. Price is per person. Free for ages 12 months and younger.

**Saturday, November 5 or**  
**Sunday, November 6**  
**9 to 10 a.m.**

**\$15 members; \$20 nonmembers**  
**Butterfly House Staff**

# BOOTERFLY HOUSE

**Bewitching Bugs and Botanicals!**

Creep on over to the  
**Butterfly House this**  
**October** as we celebrate all  
things creepy and crawly.

Meet new frightful friends in the  
Scorpion's Lair, watch out for  
our Botanicals Gone Mad in the  
Conservatory, and spy on spectacular  
spiders with Little Miss Muffet!

**Daily in October | 10 a.m. to 3 p.m.**

**Included with admission**

**Closed Mondays**

Visit [www.butterflyhouse.org](http://www.butterflyhouse.org) for a complete schedule of daily events.



**In Faust Park • 15193 Olive Blvd., Chesterfield, MO 63017**  
**(636) 530-0076 • [www.butterflyhouse.org](http://www.butterflyhouse.org)**



# PRAIRE DAY

AT SHAW NATURE RESERVE



## SATURDAY

## SEPTEMBER 17

## 10 A.M. TO 4 P.M.

ADMISSION

**Adults** (16 and up)

\$3 for members

\$6 for nonmembers

**Children** (15 and under)

Free for members

\$2 for nonmembers

Hitch up the wagons and head out to Prairie Day. This fun-filled family event portrays prairie heritage and showcases our 250-acre recreated tallgrass prairie.

Hike with a naturalist, check out the tepee, play pioneer games, listen to a live band, and watch weaving and other craft demonstrations.

Sponsored by the Missouri Department of Conservation and Shaw Nature Reserve.



**SHAW** NATURE  
RESERVE

307 Pinetum Loop Rd,  
Gray Summit, MO 63039  
(636) 451-3512

### Winter Jewels (BH)

For families of all ages. Surround yourself with the magic of the season! Escape the cold and experience Winter Jewels at the Butterfly House. Go on a treasure hunt through our Exhibit Hall, discover fairies in our Conservatory, and make new friends in the Gnome Forest. But be sure to guard your treasure and watch out for battling pirate cockroaches!

**Daily, November 25 to December 31**

**Closed Mondays**

**10 a.m. to 3 p.m.**

**Included in admission**

**Butterfly House Staff**

### Old-Time Christmas Music (SNR)

Adults only. Enjoy the ambiance of the Adlyne Freund Center decorated with natural greenery as you listen to Downstream, an instrumental bluegrass band, play old-time holiday music. Enjoy wassail, Baileys with hot chocolate, coffee, or other beverages with homemade Christmas cookies. Finish off the night with a sing-a-long to classic Christmas carols.

**Friday, December 9**

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

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

**Adlyne Freund Center**

### Supper with Santa (BH)

For families with of all ages. Before making his big trip around the world, Santa is stopping by the Butterfly House! Don't miss Supper with Santa, where fun family memories are sure to be made. Enjoy a pasta dinner, hosted by Noodles & Co. Take night strolls through the Conservatory to see how the butterflies get into the holiday spirit. Santa's Workshop stations offer children the chance to make crafts, including keepsake ornaments, and act silly in the photo booth. After dinner, visit Mrs. Claus' Cookie Kitchen for cookies and hot cocoa. The evening will not be complete without taking a souvenir picture with the guest of honor—Santa! Space is limited and reservations are required. Price is per person. Free for ages 12 months and younger.

**Friday, December 9 or**

**Saturday, December 10 or**

**Sunday, December 11 or**

**Friday, December 16 or**

**Saturday, December 17 or**

**Sunday, December 18**

**5 to 7 p.m.**

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

**Butterfly House Staff**



### Hot, Hot, Hot! (BH)

For families of all ages. Shake off the cold weather blues and join in the tropical-themed, kid-friendly activities, games, and crafts that will make you go absolutely buggy. Enjoy steel drum music, a toddler sandbox, and face painting.

**Saturday and Sunday, January 28 and 29**

**10 a.m. to 3 p.m.**

**Included in admission**

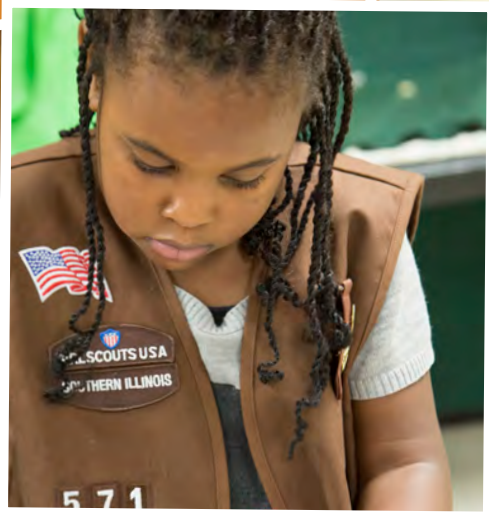
**Butterfly House Staff**

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



# CONNECTING SCOUTS TO NATURE

Programs and 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 the Butterfly House.

Programs are aligned with badge  
and award requirements.

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

"The instructor  
was excellent and  
worked well with the boys.  
It's an experience you  
cannot get anywhere else."  
—Cub Scout Leader

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

Questions? (314) 577-9473 ext.6357  
or [scoutprograms@mobot.org](mailto:scoutprograms@mobot.org)

## 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:

#### Online class registration

(314) 577-9506 or [classes@mobot.org](mailto:classes@mobot.org).

#### Shaw Nature Reserve classes

(636) 451-3512 x 6007

#### Butterfly House classes

(636) 530-0076 x 13

#### Missouri Botanical Garden classes

(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)  
Gray Summit, MO 63039  
(636) 451-3512

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



Registration  
Starts  
**August 1.**

Sign up online at  
[mobot.org/classes](http://mobot.org/classes)



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