

Sugar Maple  
*Acer saccharum*

REGISTRATION BEGINS  
1  
AUG

# Learn + Discover

classes for adults,  
youth + family

Common Juniper  
*Juniperus communis*



MISSOURI  
BOTANICAL  
GARDEN



SHAW  
NATURE  
RESERVE



Butterfly  
House

Fall/Winter 2017–2018  
September–February  
[mobot.org/classes](http://mobot.org/classes)

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



## **Your love for plants can change the world.**

Whether you're honing your gardening skills, flexing your creativity, or embracing your inner ecologist, our classes equip you to literally transform landscapes and lives.

## **How will you discover + share?**



MISSOURI BOTANICAL GARDEN

*100% of your class fees help us discover new plant species, restore and protect at-risk plants and places, and connect more people with nature and the great outdoors.*



Sophia M. Sachs

# Butterfly House

The Butterfly House is excited to launch a variety of **NEW** adult education programming to add to our kids classes and special events! Whether surrounded by the beauty of the tropical Conservatory or historic Faust Park, guests will get a one of a kind experience. These classes will fulfill your mind, body, and soul while making essential connections to nature.

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



a division of the  MISSOURI BOTANICAL GARDEN

The EarthWays Center promotes sustainability through environmental education. 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.

## Adult Classes

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



# ADULT CLASSES

## DIY CRAFTS

### Think About Tables Workshop (SNR)

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

**Saturdays, October 28**

**or November 11 or 18**

**or February 3 or 17**

**9 a.m. to 3 p.m.**

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

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

**Dale Dufer**



### Paste Papers (MBG) **NEW**

For hundreds of years bookbinders used colorful paste papers to enliven their bindings. This kind of decorative paper was a less expensive alternative to marbled paper and gold tooling, and was often used in more humble bindings. Many beautiful examples of these papers can be found on books in the Peter H. Raven Library at the Missouri Botanical Garden. Paste papers are easy to make with water, paper, paste, acrylic paints, and a little imagination. Think finger painting for adults. In this 2-session class you will be introduced to the history of paste paper, learn how to make your own, and then practice with materials provided. The following week, you will use your papers to make a simple book binding.

**2 Saturdays**

**February 3 and 10**

**9 to 11 a.m.**

**\$66 members; \$78 nonmembers**

**PlantLab**

**Susie Cobbledick**

### Light Your Gourd at the Butterfly House (BH) **NEW**

Create your own home décor out of "nature's lampshade," the gourd! You will learn how to prep dried gourds for crafting, cutting, and sanding inside and out. Learn interesting techniques to carve, paint, dye, stain, and light up your gourds. This class uses natural dried gourds, so each project is unique! Materials and tools will be provided during the class. A list of where to find materials will also be provided.

**Sunday, September 24**

**11 a.m. to 2 p.m.**

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

**Meet at the BH ticket counter**

**Leslie Casel**

### Gourd Crafting (SNR)

Create a wonderful 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 wood burning tool to trace shapes or paint to create your design.

**Friday, October 13**

**10 a.m. to noon**

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

**Carriage House**

**Rachel Weller**

### DIY Herb Drying Rack (MBG)

The bounty of herbs can be enjoyed long after they have been picked with the help of some craftsmanship and upcycling. Dried herbs make beautiful teas and add flavor to your culinary dishes. Jenny Murphy, Director of Perennial, will discuss the proper method for drying herbs. Afterward, the class will build their own herb drying rack from reclaimed materials. Participants will learn basic hand tool knowledge, including sawing, drilling, and wood finishing.

**Saturday, September 30**

**1 to 3 p.m.**

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

**PlantLab**

**Perennial Staff**



### A Spa Evening (MBG) **NEW**

Would you love to treat yourself to a spa evening? Learn the basics of aromatherapy safety and blending of fragrances to create products you can use to give yourself a spa evening. You will leave with three products to bring relaxation into your home: lotion, sugar scrub, and room/pillow spray. Join us for an evening of relaxation.

**Tuesday, September 26**

**or Wednesday, September 27**

**7 to 9 p.m.**

**\$38 members; \$44 nonmembers**

**Center for Home Gardening Classroom**

**Debra Jenkins**

### Fragrant Gifts (MBG) **NEW**

Love it when you receive a unique, hand-made gift? Learn to make one-of-a-kind gifts for holiday parties and gift giving using aromatherapy oils. You will learn the basics of safely mixing fragrances for room or pillow sprays, scrubs, lotions, bath salts or bombs, candles, etc., and how to present them in a cute way. We will utilize oils that are reminiscent of the holiday season.

**Tuesday, November 14**

**or Wednesday, November 15**

**7 to 9 p.m.**

**\$38 members; \$44 nonmembers**

**Center for Home Gardening Classroom**

**Debra Jenkins**

### 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 toward beginners ready to explore their artistic side. Follow along with an instructor to create a masterpiece of your own!

**Wednesday, October 4**

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

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

**Carriage House**

**Baillie Fischer**

### Botanical Card Making and its History (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.

**Saturday, October 14**

**9 to 11 a.m.**

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

**Botanical Room**

**Brittany North**

### Woven Loom Blooms! (SNR) **NEW**

All levels. Weave a veritable bouquet of blooms to accent your next bag or scarf. Who knew woven squares on pin looms could produce such floral beauty? Zoom Looms will be provided.

**Saturday, October 14**

**9 a.m. to noon**

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

**Carriage House**

**John Mullarkey**



### 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 26**

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

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

**Botanical Room**

**Sharon Lloyd**

*DIY Crafts continued...***Introduction to Natural Textile****Dyeing (MBG) NEW**

Do you love the beautiful, earthy tones of natural dyes? Learn how to dye and print on fabric using natural materials you can find outside or inside your pantry! Participants will experiment with plant-based materials to naturally dye a set of four cloth napkins. While the fabric is in the dye bath, participants will learn to use simple leather-working tools to create four napkin ring holders from salvaged leather. Create a set for a beautiful and eco-friendly table setting!

**Saturday, November 4**

**1 to 3 p.m.**

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

**PlantLab**

**Perennial Staff**

**Basketmaking: Wine Basket**

This beginner basket is a perfect way to store your favorite bottles of wine or save a bag at the grocery store. Basket features a filled bottom with a center lash divider and incorporates several reed sizes and basic weaving techniques. The basket's final dimensions are 9"x5"x 8.5" tall (overall height is 14" with handle) with a hand painted driftwood tie. Hand strength needed. All weaving materials supplied but a tool list of household items will be included with registration. Bring a sack lunch.

**November 4**

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

**Member: \$62; Nonmember: \$74**

**Botanical Room**

**Stephanie Arnold**

**Succulent Dish Garden (MBG)**

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.

**Tuesday, November 7**

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

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

**Botanical Room**

**Sharon Lloyd**

**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. This season, we will be creating a soft sculpture of a penguin.

**Saturday, November 11**

**9 a.m. to noon**

**\$49 members; \$58 nonmembers**

**Botanical Room**

**Suzanne Hirth**

**Tantalizing Terrariums**

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

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

**Sharon Lloyd**

at the Butterfly House

**Saturday, November 11**

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

**Meet at the BH ticket counter**

at the Missouri Botanical Garden

**Tuesday, November 14**

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

**Botanical Room**

**Terrariums: Greening Your Cube (MBG)**

Bring nature into your office! Join us as we learn how to create a little indoor garden to green up your office or cubicle. Learn step-by-step how to create a terrarium and about the plants that will thrive in that environment.

**Tuesday, February 13**

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

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

**Botanical Room**

**Sharon Lloyd**





### Nature Inspired Wreaths (BH) **NEW**

In this class, you will make a 12" wreath inspired by the winter season and all that nature provides. Use your wreath as a centerpiece at your holiday table or as a natural accent, bringing color and greenery inside during the winter months. The instructor will provide tips on acquiring plant material for making additional wreaths and walk you through wreath construction in an easy to follow step-by-step fashion.

**Saturday, November 18**

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

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

**Meet at the BH ticket counter**

**Greenscape Gardens staff**

### Natural Wreath Making (SNR)

Enjoy the fireside as you make a beautiful 12" holiday wreath of fresh greens and other natural materials to take home. You will learn some design techniques and how to apply them to wreath making.

**Wednesday, November 29**

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

**or Wednesday, November 29**

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

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

**Adlyne Freund Center**

**Shaw Nature Reserve Staff and volunteers**

### 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 the 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 1**

**Missouri Room**

**or Saturday, December 2**

**Beaumont Room**

**10 a.m. to noon**

**\$45 members; \$54 nonmembers**

**Tammy Palmier**

### Gardens in Miniature:

#### Fairy Gardening (BH) **NEW**

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

**Thursday, December 7**

**6 to 8 p.m.**

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

**Meet at the BH ticket counter**

**Sharon Lloyd**

#### Craft a Clay Fairy House (MBG) **NEW**

Add some magic to your miniature garden this winter with clay artist Mary Henderson. Using hand building techniques, she will teach you how to make a cute, 4"x4" fairy house and miniature accessories in this hands-on workshop. No clay experience needed. Fired pieces will be ready for pick-up at the Center for Home Gardening after February 5. All materials provided. Please bring an apron or wear work clothes.

**Thursday, January 18**

**6 to 8 p.m.**

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

**Botanical Room**

**Mary Henderson**



DIY Crafts continued...



### Creative Flower Arrangements (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, unique vase arrangement to take home.

**\$36 members; \$43 nonmembers**

**Sharon Lloyd**

#### Late Summer Harvest

**Tuesday, September 12**

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

**PlantLab**

#### Winter's Bounty

**Saturday, December 16**

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

**Botanical Room**

#### The Season of Love

**Saturday, February 10**

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

**Botanical Room**

### Knit Rag Rugs (MBG)

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 knit those strips into accent pieces for our homes. No experience necessary. Material and needles will be provided.

**Saturday, January 6**

**10 a.m. to noon**

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

**Missouri Room**

**Suzanne Hirth**

### Weaving Your Own Scarf (MBG) **NEW**

Learn how to weave this winter 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 during class. Learn a basic tabby weave, which is great for a first-time project. You will have several colors to choose from, and all supplies are provided.

**Thursday, January 18**

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

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

**Garden Room**

**Jill Kettler**

### For more classes like these...

See the Butterfly House's Paint and Sip Night and Soapmaking 101 classes on **page 36**

# FINE ARTS

## The Garden in Watercolor (MBG)

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.

### 8 Tuesdays

**September 5, 12, 19, 26; October 3, 10, 17, 24**

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

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

**Missouri Room**

**Mary Dee Schmidt**

## Watercolor: Bold and Beautiful (MBG) **NEW**

All levels. Transparent watercolor is an expressive, dynamic, and fluid medium. It can be simple and complex; it can be subtle or bold. Using both traditional and nontraditional watercolor techniques, students will utilize bold color and composition to make paintings that reflect their own personal style. Judy teaches the process of watercolor in a simple and straightforward manner, encouraging students to expand and explore painting possibilities.

### 8 Fridays

**September 8, 15, 22, 29; October 6, 13, 20, 27**

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

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

**Center for Home Gardening**

**(Friday, October 6 class held at the Commerce Bank Center for Science Education, Room 125)**

**Judy Seyfert**

## Watercolor: Art for the Holidays (MBG)

All levels. Ralph Waldo Emerson once said, "The greatest gift is a portion of thyself." What better gift to give than your own personal piece of art. Artists will create small watercolors to be given framed as gifts or used as Christmas cards. From landscapes to flowers to abstracts, you will paint dozens of small paintings that will delight you and your friends. Artists of all levels will enjoy the creative process in making these wonderfully unique paintings.

### 6 Mondays

**September 11, 18, 25; October 2, 9, 16**

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

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

**Missouri Room**

**Judy Seyfert**

## Watercolor: Fast and Loose (MBG)

Intermediate. Tired of those painting inhibitions that keep your art tight and predictable? This class is to help artists paint loose, impressionistic watercolors. By using larger brushes, juicy paint mixtures, and the Garden as inspiration, artists will learn to handle watercolor expressively and confidently. No basic skills taught.

### 6 Saturdays

**October 14, 21, 28; November 4, 11, 18**

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

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

**Missouri Room**

**(Saturday, October 21 and 28; November 18 class held in the Botanical Room)**

**Judy Seyfert**

## Watercolor Collage:

### From Abstract to Realism (MBG)

Intermediate. This is a unique method of studying basic design through collage. The process involves staining Oriental *washi* (rice) papers with transparent watercolor. The papers retain some of the luminosity of the watercolor with the added benefit of texture. By combining watercolor and collage, exciting and innovative opportunities of expression open up. Besides being a versatile and flexible way to explore creativity, watercolor collage encourages an individual approach to art emphasizing design through experimentation.

### 5 Fridays

**January 5, 12, 19, 26; February 2**

**Snow dates: February 9, 16**

**10 a.m. to 1 p.m.**

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

**Commerce Bank Center for**

**Science Education, Room 125**

**Judy Seyfert**

## Beginners Plein-Air Painting (SNR)

Create in the natural beauty of Shaw Nature Reserve by plein-air painting. Plein-air, a French word, literally translates as "open air," and is defined as painting done outside, in the open air. We'll begin with a demonstration, then paint, and end with helpful ideas.

**Saturday, September 16**

**9 a.m. to 2 p.m.**

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

**Carriage House**

**Jan Trager**

*Fine Arts continued...*

### Introduction to Oil Painting (MBG)

All levels. Vibrant colors, a forgiving medium, following the footsteps of masters—these are all descriptions used for painting in oils. Artist Tito Gay shows the ins and outs of oil painting. Learn about hue, brush strokes, color mixing, and composition in the most beautiful Garden in the world.

**6 Thursdays**

**September 7, 14, 21, 28; October 12, 19**

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

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

**Garden Room**

**Tito Gay**



### Sketching in the Garden (MBG)

All levels. Capture the beauty in nature on paper, and you'll learn to sketch what you see in the Garden. Build basic drawing skills through demonstrations of pencil as well as other media like colored pencil, pastel, and charcoal. Individual instruction will help you develop a sense of observation and awareness of the natural, wondrous world around you. In event of inclement weather, the class will sketch from still lifes in the classroom.

**8 Wednesdays**

**September 13, 20, 27;**

**October 4, 11, 18, 25; November 1**

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

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

**Center for Home Gardening Classroom**

**Jaclyn Lawson**

### Exploring and Drawing Backyard

#### Birds (SNR) **NEW**

All levels. Join us at the Dana Brown Overnight Center as we investigate the world of backyard birds! Drawing lessons, hints, tips, and suggestions will get you well on your way to the enriching experience of sketching birds. Becoming a better observer and learning field marks are just two of the rewards of developing this skill. In addition to learning how to draw birds, there will be an overview of backyard birds, behaviors, who is visiting just for the winter, and more. Both beginners and those who wish to broaden their drawing skills are welcome. Participants may enroll in one or all three days. Each day will focus on a different group of birds. Price per class.

**Tuesday, January 16, 23, or 30**

**9:30 to noon**

**\$25 members; \$30 nonmembers**

**Dana Brown Overnight Center**

**Angie Jungbluth**

### Broaden Your Poetic Voice:

#### A Poetic Tribute to Japan (MBG) **NEW**

This year, the Missouri Botanical Garden celebrates the 40th anniversary of the iconic Japanese Garden. Always one of our visitors' favorite spots, the 14-acre garden is stunning in all four seasons, showcasing distinct aspects of its beauty from different vantage points. Connecting the natural beauty of the Garden to fine art has long been a tradition at the Garden. Celebrate the beauty of the Japanese Garden with an overview of poetic styles. This class surveys the works of outstanding Japanese poets and examines how Japanese poetry developed into many different styles. Participants will have the opportunity to compose a poetic tribute inspired by the Garden's own Japanese Garden in one of those unique styles.

**Thursday, September 14**

**1 to 3 p.m.**

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

**Center for Home Gardening Classroom**

**Eleanor Hall**

## Butterfly House Photography Series

### Butterfly House Photography (BH)

Beginner/Intermediate. 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 19**

**9:30 to noon**

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

**Meet at the BH ticket counter**

**Scott Avetta**



### Insect Photography (BH)

Beginner/Intermediate. Photograph insects and arachnids not 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 may include praying mantises, beautiful beetles, tarantulas, and others. A tripod and remote cable release are recommended for this class.

**Tuesday, February 27**

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

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

**Meet at the BH ticket counter**

**Scott Avetta**

## Garden Photography Series

### Photography Boot Camp (MBG)

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

**4 Tuesdays**

**September 12, 19, 26; October 3**

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

**or 4 Wednesdays**

**September 13, 20, 27; October 4**

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

**\$140 members; \$168 nonmembers**

**Center for Home Gardening Classroom**

**Scott Avetta**



### Photography: Fall Landscapes and Waterscape (MBG)

All levels. Throughout our 3-week, hands-on class we will concentrate on the peak seasonal areas of the Garden based on lighting.

Learn how subtle differences in lighting can significantly alter the scene. Balancing light with your thoughtful compositional choices will also be discussed. The importance of selecting a strong foreground and layering will be emphasized. Tripods and polarizer are helpful, but not required. Take your landscapes to the next level with the emphasis on the field instruction.

**3 Tuesdays**

**October 17, 24, 31**

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

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

**Center for Home Gardening Classroom**

**Scott Avetta**



*Photography continued...*

## Building a Stronger Composition (MBG) **NEW**

All levels. A good composition can change to your photos from good to wow. In this multi-session course the focus will be on what makes a stronger composition. During the class we will thoroughly view and discuss all the strengths and weaknesses within the design. We will discuss the rule of thirds and build on it to create a more powerful image. Leading lines, framing, and the importance of foreground are some of the topics covered. During our photo shoot we will apply our classroom learning in the field in group and individual discussion.

**2 Wednesdays**  
**October 18 and 25**  
**6:30 to 8:30 p.m.**

**Photo shoot Sunday, October 22**  
**7 to 11 a.m; meet at the Ticket Counter**  
**\$112 members; \$134 nonmembers**  
**Botanical Room**  
**Scott Avetta**

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

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

**Thursday, October 26**  
**9 a.m. to noon**  
**\$52 members; \$62 nonmembers**  
**Meet at the Ticket Counter**  
**Scott Avetta**

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

Back by popular demand, is our exclusive photographer night for one night only. Skip the distractions of crowds, food tents and fire pits and focus on practicing your photography skills with a tripod at night among the glowing twinkling lights. Self-guided; this experience is not led by instructor. Space is limited to the first 200 people. Check in begins at 4:15 p.m., Garden grounds open at 4:30 p.m.

**Tuesday, November 14**  
**4:30 to 7 p.m.**  
**\$45 members; \$54 nonmembers**  
**Ridgway Visitor Center by Theater**  
**MBG Staff**



## Capturing the Garden Glow (MBG)

All levels. 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. Price per class.

**4 to 6:30 p.m.**  
**\$65 members; \$78 nonmembers**  
**Meet next to the Theater**  
**Scott Avetta**

### Basics

With tips and tricks from your professional photography instructor, you will take photos of the Garden filled with light. Class fees include admission to the event after the 2.5-hour class with 1.5-hour non-public and 1-hour with public photo shoot. The use of a tripod is highly recommended.  
**Monday, November 20**

### Creative Focus

All levels. 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, and point of view and expand our shooting opportunities. These will be photos that are unlike others you have taken at Garden Glow. Class fees include admission to the event after the 2.5-hour class with 1-hour non-public and 1.5-hour with public photo shoot. The use of a tripod is highly recommended.

**Tuesday, November 28**  
**or Monday, December 4**

**Winter Photo Warm-up (MBG) NEW**

All levels. Don't let the dust collect on your camera! For many of us it has been a long winter and some time since we used our cameras. Viewing and reviewing images can be as helpful to us as taking photographs. Let's get our photographic vision back and our minds working with inspirational photos. The light can be magnificent in the winter! We will also discuss a few areas and projects you can work on to have you on the top of your game by spring.

**Saturday, February 17**

**10 a.m. to noon**

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

**Missouri Room**

**Scott Avetta**



**Behind the Scenes Orchid  
Show Photography (MBG)**

All levels. 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 26**

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

**\$52 members; \$62 nonmembers**

**Meet at the Ticket Counter**

**Scott Avetta**

**Shaw Photography Series**

The following classes are held at Shaw Nature Reserve and offer a unique experience in the world of photography. Participants must have working knowledge of personal camera.

**Insect Macrophotography (SNR)**

Intermediate. Insects are attractive and desirable subjects for macrophotography; however, they can be especially challenging to photograph because of their ability to hide and tendency to flee when approached. Join entomologist and photographer Ted MacRae as we explore strategies for approaching and photographing insects in the field followed by a field session to practice and get coaching on the techniques learned. The afternoon will focus on improving technical aspects such as composition and background through use of supplemental lighting, both alone or in combination with ambient light. Participants should have a working knowledge of their camera and concepts such as aperture, ISO, and shutter speed and possess a macro lens and filter. An off-camera flash unit is not required but is highly recommended. Lunch is provided.

**Saturday, September 9**

**9 a.m. to 3 p.m.**

**\$70 members; \$84 nonmembers**

**Carriage House**

**Ted MacRae**

**Behind the Scenes Fall Landscapes (SNR)**

All levels. Participants should have a basic working knowledge of their camera. Join photographer Scott Avetta with back-road access to the fall beauty of Shaw Nature Reserve. This small group will hit the areas of greatest potential for the best fall color. At each location, Scott will provide tips on the scene, lighting, and composition. You will then begin photographing with one-on-one assistance from Scott. The use of a tripod, cable release or remote, and polarizer is helpful. Dress for being outdoors and wear comfortable shoes for some walking.

**Saturday, October 21**

**7 to 11 a.m.**

**\$55 members; \$66 nonmembers**

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

**Scott Avetta**

*Photography continued...*

### Light + Discovery Workshop (SNR)

All levels. Light is our language. Direction, color, and quality of light impact images in powerful ways. Join professional photographer Dan Dreyfus in this workshop designed to enhance your understanding of light while exploring ways to deepen your perception of and connection to the subject. This workshop will be divided into two parts. Following a presentation on light, participants will be challenged with a series of photo exercises in the field followed by constructive critiques. The second part of the workshop will include a presentation on methods to look and to see the subject on a level deeper than surface impressions. Again participants will continue with photography in the field applying concepts presented. Participants should have a working knowledge of their camera and concepts such as aperture, ISO, and shutter speed. Lunch is provided.

**Saturday, November 11**

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

**\$110 members; \$132 nonmembers**

**Adlyne Freund Center**

**Dan Dreyfus**

### Mastering Photographic

#### Composition: Overnight (SNR)

Advanced. This overnight workshop will take a deep dive into how we compose, what we compose, and why we compose the way we do. Learn how to create and construct photos that express the stories you wish to tell. Between them, Stewart Halperin and Jeff Hirsch have over 75 years of shooting experience, and we will start the workshop by discussing some of their most successful images. There will be no shooting in this workshop. Each participant will also be asked to submit images from two different categories prior to the workshop, and a discussion of those images will make up the heart of our exploration. It is in these detailed conversations about the nuances of composition that photographers will have the opportunity to truly advance the way they see and capture the world.

**Sunday, December 10**

**9 to 11 a.m.**

**\$250 members; \$300 nonmembers**

**Dana Brown Overnight Center**

**Stewart Halperin and Jeff Hirsch**

### Storytelling—How to Create Beautiful and Compelling Photo Slideshows (SNR)

All levels. Take your storytelling beyond the single frame and learn tools and techniques for assembling your photographs into beautiful slideshows that you can share with your friends and family. This class will include lessons on choosing images, selecting music, transitions, and titles along with instructions on how to share your finished slideshows via social media sites like Facebook, Google+, YouTube, and Vimeo. Lunch is provided.

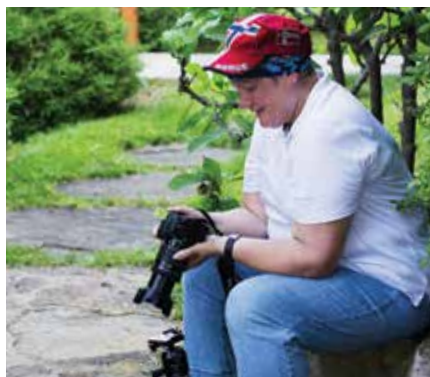
**Saturday, January 6**

**9 a.m. to 3 p.m.**

**\$65 members; \$78 nonmembers**

**Adlyne Freund Center**

**Jeff Hirsch**



### Traveling With Your Camera (SNR)

Intermediate/Advanced. Join Stewart Halperin for an intense 1-day workshop on the essence of traveling with your camera. With over 50 years of shooting experiences and over 95 countries covered with his cameras, Stewart's insights and images will move your travel photography to a higher level. How do we prepare better when we are heading off for both points near and far? More importantly, how do we raise the level of our travel images from just nice memories to strong telling compositions? This workshop will cover where to travel, choice of equipment, workflow on the road, and, most importantly, shooting styles and insights to make your images more powerful. Pre-submission of two sets of images will be required. Lunch is provided.

**Saturday, February 24**

**9 a.m. to 3 p.m.**

**\$150 members; \$180 nonmembers**

**Adlyne Freund Center**

**Stewart Halperin**

# 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

### Fall Desserts with a

#### French Twist (MBG) **NEW**

A class to show you how to turn apples and pears into simple and delicious desserts! We'll begin with a very easy, always successful family recipe: *la pinasse*; *Tarte Tatin* (apple cake), and French classic *Tarte Bourdaloue* will also be on the menu.

**Tuesday, September 5**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Caroline Achard**

### The St. Louis Herb Society Shares

#### Their September Secrets...

#### with YOU! (MBG) **NEW**

Learn how to preserve—and plant—herbs this time of year. It's what we do... You should do it, too. Get the inside scoop as we dish on our go-to herbal meals, reveal harvesting and preserving tips, and demonstrate decorating and crafting ideas that will take you through fall with an herbal flair.

**Thursday, September 21**

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

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

**Center for Home Gardening Classroom**

**St. Louis Herb Society**

### Paella! (MBG)

Join us for an evening of Spanish fun as we explore the world of paella! We will make a big pan from scratch as we learn about the history of the dish, the traditional ingredients, sustainable seafood, and just how easy it is to prepare this one-pot meal. While the paella simmers, everyone will sample some tapas.

**Monday, November 6**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Marianne Prey**

### How to Host a Holiday Tea (MBG)

A new annual tradition, take your guest 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, sausage rolls, finger sandwiches, minced pie, and freshly brewed loose-leaf tea.

**Tuesday, November 28**

**or Monday, December 4**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Jane Muscroft**

### Adventurous Eating: Learn to

#### Cook Insects (BH) **NEW**

For ages 16 and up. Insects are gaining acceptance as a sustainable and nutritious food source. In this class, you will be able to sample real edible insects cooked right in front of you. The menu will include "chocolate chirp" cookies, deep-fried BBQ waxworms, sautéed crickets, and may include other seasonal selections. You will also learn about the worldwide use of insects as food and the specific insect foods that are becoming more widely available in this country. Each student will be given factory-sealed packages of roasted crickets and cricket powder to take home and try in recipes that our bug chef will provide. Our chef will also provide sources for acquiring the other ingredients used in the demonstration dishes. With Halloween just around the corner, this class will prepare you to make your Halloween party one your guests will never forget! People with allergies to shellfish should not consume insects. Please note: ages 16–17 must come with an accompanying adult. If the adult is not going to eat, they do not need to pay for registration.

**Saturday, October 21**

**6 to 7 p.m.**

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

**Meet at the BH ticket counter**

**Chris Hartley and Tad Yankoski**



## There are so many ways to **volunteer** at the Garden, Butterfly House, or Shaw Nature Reserve!

Take action to bring more significance to your daily life. Become a part of a vital volunteer community.

**Interested?** Please visit [www.mobot.org/volunteer](http://www.mobot.org/volunteer) to view opportunities and fill out an application.

Call (314) 577-5187 or email [volunteer@mobot.org](mailto:volunteer@mobot.org) to learn more!

*Food and Cooking continued...*

**Mardi Gras! St. Louis Style (MBG) NEW**  
Bring New Orleans flavor to your kitchen. Learn Cajun cooking from chef Diana Smith. She will teach you how to make Creole seasoning mix, mushrooms stuffed with deviled crab, jambalaya, shrimp and grits, New Orleans coleslaw, and Bananas Foster with vanilla ice cream while never leaving St. Louis, where we know how to celebrate Mardi Gras!

**Saturday, January 13**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Diana Smith**

## DRINK MORE PLANTS



**Native Plant Tea (SNR) NEW**

Enjoy sampling several different types of tea as you learn about traditional and herbal tea. Following the sampling we will take a hike around the Whitmire Wildflower Garden to view native plants and hear about their traditional use in medicinal tea.

**Thursday, September 7**

**10 a.m. to noon**

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

**Carriage House**

**Kerri Kelley**

**Beverages and Bitters (MBG) NEW**

Join James Beard semi-finalist chef Rob Connoley in creating drinks foraged from your backyard and area park. Participants will learn about foraging, basic plant identification and three delicious drinks using wild ingredients commonly found in the St. Louis metro area.

**Monday, October 30**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Rob Connoley**

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





### Behind the Brew (off-site)

Must be 21 to register.

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

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

**Price per class**

**Urban Chestnut Meeting Room**

**Urban Chestnut Brewing Company**

**4465 Manchester Avenue**

**St. Louis, MO 63110**

**Urban Chestnut Brewmaster**

### Making Earth-Friendly, Sustainable, and Delicious Beer with Urban Chestnut

Join Urban Chestnut brewmasters in this informative class that explores the art of sustainable brewing. Learn about the brewing process, and how one local brewery has embraced the idea of earth-friendly brewing all in a beautiful LEED-certified Brewery and Bierhall. Free samples of their beers included!

**Wednesday, September 27**

### A Look into German Beer Styles with Urban Chestnut

Sit back and relax during this informative class all about the art of crafting German beer from Urban Chestnut's own brewmaster. In this class you will be introduced to some of the lesser-known beer styles that originated in Germany and learn more about how *Reinheitsgebot* (purity law) makes these beers truly unique. Learn what ingredients are used, the brewing process, and discover the flavor and aroma of these German-style beers. Includes some tasting of a few German brew styles (based on what is available at the time of the class).

**Wednesday, November 29**



### Teas, Tonics, and Tisanes for the Holidays (MBG) **NEW**

The holiday season is here, and we're ready to share the amazing gift of tea! For the perfect gift, entertaining, and to help reduce stress, think tea. During this class we will sample some popular tea and blends with local tea shop owner Kateri Meyer of Traveling Tea and discover how tea can help make memories that last during this holiday season. Kateri will demonstrate proper brewing techniques, provide insight in the sustainable tea industry, and share some of her favorite tea recipes.

**Monday, November 13**

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

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

**Commerce Bank Center for**

**Science Education, Room 126**

**Kateri Meyer, Traveling Tea**

### Discovering Chai Tea (MBG) **NEW**

Join Kateri Meyer, owner of Traveling Tea and local tea expert, to learn about the origins of chai and the different ways of making it. There will be plenty of samples to go around as Kateri demonstrates the proper brewing process, discusses sustainability and tea, and dives into what makes tea chai.

**Saturday, February 17**

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

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

**PlantLab**

**Kateri Meyer, Traveling Tea**

## EAT MORE PLANTS

**Knowing, Growing, and Cooking with Mediterranean Herbs (MBG)**

Many Mediterranean herbs will survive in the St. Louis region. But which plants are the most flavorful and the easiest to grow? Join Bruce Chalker and his colleagues in The St. Louis Herb Society as they explore Mediterranean culinary herbs. Herbal cookery will feature both familiar and less well known herbs, from rosemary and thyme to calamint and za'atar. Herbal treats will be served at the conclusion of this class.

**Monday, September 25**  
**6 to 8 p.m.**

**\$37 members; \$43 nonmembers**  
**Center for Home Gardening Classroom**  
**Bruce Chalker and The St. Louis Herb Society**

**Fan of Figs? (MBG) NEW**

In this class you will have a chance to sample seven delicious recipes. Chef Diana Smith will make red leaf, fig, and serrano ham salad; no-bake walnut fig bites; overnight oats with figs and honey; picnic baguette with avocado, Gorgonzola, and fig; fig and rosemary glazed pork tenderloin; fig preserves cake; and fig and *frangipane* galettes. Yummy!

**Saturday, September 16**  
**10 a.m. to noon**

**\$37 members; \$43 nonmembers**  
**Center for Home Gardening Classroom**  
**Diana Smith**

**Ugly Produce to Stellar Dinner with Rob Connoley (MBG) NEW**

Join James Beard semi-finalist chef and author of *Acorns & Cattails: A Modern Foraging Cookbook of Forest, Farm & Field* Rob Connoley in preparing a three-course meal using the ugly, deformed, end-of-season produce from the Tower Grove Farmers' Market. Afraid of those split tomatoes? Bumped about the bruised squash? Learn various techniques to reduce waste and up your cooking game.

**Monday, September 11**  
**7 to 9 p.m.**

**\$50 members; \$60 nonmembers**  
**Center for Home Gardening Classroom**  
**Rob Connoley**

**Host a Vegetarian Dinner Party (MBG) NEW**

Join us for a vegetarian dinner party as chef Lana Shepek shows us how to make pineapple margarita punch; grilled whole-grain bread purees topped with goat cheese, garlic and Gruyère soup; grilled cauliflower with fresh sage brown butter and local honey; and cardamom pears with ginger mascarpone topping. So fresh and delicious!

**Tuesday, September 19**  
**7 to 9 p.m.**

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

**Baking with Olive Oil (MBG) NEW**

Have you ever considered baking with olive oil? Cookies, quick breads, pies, cakes, brownies, and muffins are all possibilities. Learn how to convert recipes from butter to olive oil and enjoy the rich flavor, increased moistness, and longer freshness of cholesterol-free sweets. A variety of olive oils perfect for baking will be sampled, including flavored olive oils. Lemon banana bread, chocolate chip sea salt cookies, jalapeño cheddar corn muffins, and more are on the menu. Take home a butter to olive oil conversion chart and recipes.

**Monday, October 2**  
**7 to 9 p.m.**

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

### Autumn Baking with Sugar Pie Pumpkins (MBG) **NEW**

Nothing says fall better than pumpkin. Join us while Lana teaches us to prepare fresh pumpkin puree and bake these pumpkin recipes: pumpkin bread pudding with poached fall fruit, harvest pumpkin scones with butter, pumpkin gingersnap pie, and pumpkin cookie mix.

**Tuesday, October 3**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Lana Shepek**



### Comfort Foods Revisited (MBG) **NEW**

Ahh, be ready to be cozy and warm. Chef Diana Smith will comfort you with samples of mac and cheese, *budino di cioccolato* (Italian chocolate pudding), grilled cheese sandwiches, fire-roasted tomato soup, roasted sausages with grape tomatoes, polenta and goat cheese, and French bread pizza. Not your mother's recipes, but updated and delicious.

**Monday, October 9**

**7 to 9 p.m.**

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

**Center for Home Gardening Classroom**

**Diana Smith**



### Death by Chocolate (MBG)

Attention chocolate lovers: this class is not for the faint of heart. Brought back by popular demand, Tori McCarty returns to create bacon brownies, triple chocolate chip cookies, Bailey's Irish cream cupcakes, and a variety of truffles for you to taste. This class can't be missed—it's simply to die for!

**Saturday, October 28**

**or Saturday, February 17**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Tori McCarty**

### Festive Veggies (MBG) **NEW**

Looking for ideas to complete your favorites holiday meals? Come learn how to make a very delicate *velouté de fenouil* as a starter, and an atypical, oven-baked, vegetarian couscous that is a perfect one-dish meal. We will also prepare two delicious side dishes: roasted carrots with spices and the famous French gratin *dauphinois*.

**Saturday, November 4**

**10 a.m. to noon**

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

**Center for Home Gardening Classroom**

**Caroline Achard**



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

Back by popular demand with all new recipes! What better time to learn how to make delicious, homemade soups than on a chilly autumn day? Our favorite English chef, Jane Muscroft, demonstrates how to make creamy chicken and sweet corn soup, minestrone, and beef and barley. This year Jane will also be serving homemade rolls. So, grab a spoon, and join us for a tasty fall cooking class.

**Monday, November 6**

**10 a.m. to noon**

**or Monday, November 13**

**6 to 8 p.m.**

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

**Center for Home Gardening Classroom**

**Jane Muscroft**

Food and Cooking continued...



### Holiday Breads Using a Bread Machine (MBG) **NEW**

A bread machine is great to knead rich doughs. We will be making a classic French brioche, a *chinois* (a brioche dough filled with praline), and a beautiful *krantz* cake. Everything will be prepared from scratch, and you will get to sample as if you were buying from a French *boulangerie*!

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

**\$37 members; \$43 nonmembers  
Center for Home Gardening Classroom  
Caroline Achard**

### Wintry Grain and Herb Salads (MBG) **NEW**

Those wonderfully flavored grain salads are all about comfort and good nutritional elements to help you get through the winter. During the class we will prepare an Israeli couscous salad with dried apricots and preserved lemon; a quinoa salad with broccoli, avocado, feta, and pumpkin seeds; a red rice and quinoa salad with orange and pistachio; and to finish, a surprise salad using seasonal products.

**Saturday, January 6  
10 a.m. to noon**

**\$37 members; \$43 nonmembers  
Center for Home Gardening Classroom  
Caroline Achard**

### Baking in Parchment Paper (MBG) **NEW**

Have a time crunch? Don't like lots of dishes? Reward yourself and your family by cooking in parchment paper. Students will make a parchment pattern to take home and make the recipes that we will be sampling: baked apples; fish fillets with tomatoes, squash, and basil; Italian sausage with vegetables; and stacked vegetables.

**Saturday, January 27  
10 a.m. to noon**

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



### A Burst of Sunny Citrus! (MBG) **NEW**

Winter blues have you down? How would you like a fresh burst of citrus? Join Chef Diana Smith for sunny citrus recipes that will include samples of Big Dutch Baby with Meyer lemon sugar; broccoli with preserved lemon yogurt; preserved lemons; crispy rice with mint and lemon; honey-ginger chicken with lime; asparagus-lemon pasta; lemon thyme biscuits; and citrus upside-down cake.

**Saturday, February 3  
10 a.m. to noon**

**\$37 members; \$43 nonmembers  
Center for Home Gardening Classroom  
Diana Smith**

# GARDENING AND LANDSCAPING

## GARDENING BEST PRACTICES

### Easy Tree I.D. for Beginners (MBG)

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

**3 Tuesdays**

**September 19, 26; October 3**

**5 to 7 p.m.**

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

**PlantLab**

**Tom Ebeling**



### Basic Roses 101: Fall and Winter Activities

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 9**

**10 a.m. to noon**

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

**Missouri Room**

**Marissa Sedmak**

### Pruning with Ben Chu (MBG)

Pruning is often needed to control plant size, enhance beauty, correct damage from pests, and increase flower and fruit production. In this class, you will learn when and how to prune trees, shrubs, and evergreens to maximize these beneficial effects. In addition to observing a live pruning demonstration, you'll learn about the selection and care of the best pruning tools.

**Tuesday, September 12**

**6 to 8 p.m.**

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

**Garden Room**

**Ben Chu**

### 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 12**

**6 to 8 p.m.**

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

**Botanical Room**

**Glenn Kraemer**

### Growing Orchids at Home—Part 1 (MBG)

Have you resisted buying that intriguing orchid, or are you unsure 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 10**

**6 to 8 p.m.**

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

**Beaumont Room**

**Babs Wagner**



*Gardening and Landscaping continued...***Trees Pay Off: Best Trees for Your Garden (MBG) *NEW***

Trees are valuable long-term investments from shading your home to creating amazing fall color displays. Learn great tips on planting techniques, tree selection, species profiles, and common pests and diseases. David will also talk about the best time to prune common trees for St. Louis as well as the Garden's collection of trees. Save money down the road by learning about the best trees and maintenance now. Includes a walk on the grounds. Please wear walking shoes.

**Saturday, November 4**

**10 a.m. to noon**

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

**Beaumont Room**

**David Gunn**

**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 20**

**10 a.m. to noon**

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

**Botanical Room**

**Sharon Lloyd**

**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'll be able to easily identify a minimum of 10 native trees.

**Friday, February 16**

**10 a.m. to noon**

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

**Carriage House**

**Rachel Weller**

**Composting 101 (MBG)**

Interested in composting, but don't know where to start? Want to know how to keep your compost pile going through the winter? Join the EarthWays Center team in this class all about composting basics. We'll discuss composting principles, designs, frequently asked questions, and more. Participants will walk away with the know-how to design their own composting system and a kitchen compost waste collector to get them started.

**Monday, October 16**

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

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

**Commerce Bank Center for**

**Science Education, Room 125**

**Simon Warren**

**Composting 201—Troubleshooting and Experimenting with Compost (MBG) *NEW***

Join EarthWays Center staff in this advanced compost class for those who have mastered the basics. This class is perfect for those who may be ready to move on to the next step in their composting journey. We will review the basics of composting, demonstrate unique ways to build DIY composting systems for your home, and troubleshoot your composting problems. Participants are encouraged to bring photos or videos of their current compost system to the class.

**Monday, January 8**

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

**\$30 members; \$35 nonmembers**

**Commerce Bank Center for**

**Science Education, Room 125**

**Simon Warren**

**Become a Great Gardener (MBG)**

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

**Low-Maintenance Perennials**

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.

**Sunday, September 7**

**6 to 8 p.m.**

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

**Botanical Room**

**Sharon Lloyd**

**Perennial Favorites NEW**

Perennials provide a wonderful foundation for any garden. We will examine both native and non-native plant selection, planting techniques, plant culture, pest control, fertilization, division, and pruning from a seasoned gardener. Be prepared for a short walk.

**Tuesday, September 26**

**6 to 8 p.m.**

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

**Botanical Room**

**Sharon Lloyd**

**Putting Your Garden to Bed**

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.

**Thursday, September 28**

**5 to 7 p.m.**

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

**Botanical Room**

**Sharon Lloyd**

**Fall Container Gardening**

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.

**Thursday, September 21**

**6 to 8 p.m.**

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

**Botanical Room**

**Sharon Lloyd**

**Winter Container Gardening**

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 seedpods. We will be making a container you can take home with you. Be prepared for a short walk.

**Wednesday, December 6**

**10 a.m. to noon**

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

**Botanical Room**

**Sharon Lloyd**

## GARDENING FOR BIODIVERSITY

**Starting Your Permaculture Journey (MBG) *NEW***

Permaculture is a design philosophy focused on working with, rather than against, nature. Looking at natural patterns, combining plants that create guilds, and focusing on native plants and perennial edibles, you can revamp your garden to be something more. Come hear the story of one person's journey to transform her life using permaculture, then share your own stories that reflect permaculture in action. Together we will support each other in creating a simple design to start on your permaculture journey.

**Thursday, September 14**

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

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

**PlantLab**

**Deanna English**

**Monarchs and Mosquitos: Gardening Basics to Protect the Health of Pollinators and People (MBG) *NEW***

Digging into some insect ecology can help every gardener control mosquito breeding, while also inviting and supporting pollinators. Join "Green Jean" Ponzi from the Garden's EarthWays Center for a lively classroom presentation and twilight scavenger hunt around the Center for Home Gardening. You'll learn to monitor and help control mosquito breeding, how to work with public health agency protocols, and how to engage your neighbors in this important element of citizen responsibility. Refresh your gardening passion with basic native planting options to welcome pollinators into your personal habitat.

**Monday, September 18**

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

**\$8 members; \$10 nonmembers**

**Center for Home Gardening Classroom**

**Jean Ponzi**

**Getting a Handle on Invasive Bush Honeysuckle (BH)**

Bush honeysuckle is a threat to native ecosystems and landscapes because it competes 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 large landowners who are having problems with bush honeysuckle.

**Tuesday, September 26**

**3 to 5 p.m.**

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

**Meet at the BH ticket counter**

**Scott Woodbury**

**Combining Native Plants (MBG)**

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 14**

**10 a.m. to noon**

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

**PlantLab**

**Sharon Lloyd**

## 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. *Native Plant School at Shaw Nature Reserve is underwritten by the Missouri Department of Conservation and Wild Ones Natural Landscapers.*

### Converting Mowed Grass to Seeded Prairie or Savanna

Do you have too much lawn at home or in the country? Would you like to convert a hayfield into a diverse blooming prairie that attracts wildlife? Come learn how to create a natural-style landscape with high diversity, low maintenance, and great wildlife diversity.

**Thursday, September 14**

**1 to 4 p.m.**

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

**Carriage House**

**Scott Woodbury**

### Native Wild Edible Plants

Did you know that many native plants are edible and delicious too? Together, class members and Whitmire Wildflower Garden horticulturists will identify some common native edible plants, view them in a garden setting, discuss different ways to utilize them in recipes, and sample them too! This will be a fun and interactive class for gardeners and cooks alike.

**Thursday, October 12**

**1 to 4 p.m.**

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

**Carriage House**

**Jen Sieradzki**

### The Next Invasive Plant Comes to Town

This class will help you understand the difference between weedy and invasive plants. We will discuss the identification and control of a variety of invasive plants including species that are likely to become the next disaster like bush honeysuckle. A few of the plants of concern include Oriental bittersweet, burning bush, privet, Callery pear, Amur corktree, golden raintree, and Chinese beautyberry.

**Thursday, November 9**

**1 to 4 p.m.**

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

**Carriage House**

**Dr. Quinn Long and Scott Woodbury**

## The Art and Function of Native Landscaping

In need of the tools necessary to transform your yard into a beautiful and functioning landscape that enhances life for you and wildlife and fits into the neighborhood? This class will explore basic design styles, planning methods, and plant selection that maximizes wildlife potential while fitting in with the neighborhood. Learn how to select, arrange, install, and maintain native plants for optimal owner, neighbor, and wildlife satisfaction.

**Thursday, December 14**

**1 to 4 p.m.**

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

**Carriage House**

**Scott Woodbury**

### Practical Gardening with Native Plants

A class designed to provide gardeners with an understanding of basic gardening maintenance tasks and improve knowledge of native plant horticulture. Topics include techniques for planting, transplanting, insect and plant identification, weeding, mulching, watering, pruning, deadheading, and eco-friendly turf maintenance.

**Thursday, January 11**

**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. Check in at the SNR Visitor Center for directions.

**Thursday, February 8**

**1 to 4 p.m.**

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

**Head house**

**Terri Brandt**

## LANDSCAPE DESIGN IDEAS

**Home Landscape Design (MBG)**

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

**6 Wednesdays**

**September 6, 13, 20, 27; October 4, 11**

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

**Optional walk Wednesday, September 20**

**5:30 to 6:30 p.m.**

**\$149 members; \$179 nonmembers**

**Missouri Room**

**Randall Mardis**

**Moonlit Garden (MBG)**

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.

**Thursday, October 5**

**6 to 8 p.m.**

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

**PlantLab**

**Kyle Cheesborough**

**Designing with Perennials (MBG) *NEW***

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 10**

**5 to 7 p.m.**

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

**Botanical Room**

**Sharon Lloyd**

**Fantastic Bulbs and What To Do With Them (MBG)**

Learn from the bulb expert Jason Delaney which bulbs work best for St. Louis, how deep to plant them, and when. Jason will also discuss bulb companion planting and lessons learned from his many years at the Missouri Botanical Garden. You will leave excited to plant your bulbs for spring!

**Wednesday, October 18**

**6 to 8 p.m.**

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

**Garden Room**

**Jason Delaney**

**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!

**Thursday, October 19**

**5 to 7 p.m.**

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

**PlantLab**

**Sharon Lloyd**



## Simply Stunning—Decluttering Your Garden (MBG) **NEW**

The “decluttering” process that is becoming a popular trend can apply to our gardens as well as the interior of our homes. Join Terry as she talks about simplifying the structure and content of our planting spaces. By examining some basic design principles and applying them to our gardens, the end result can be a beautiful space that requires less time to maintain and more opportunities to enjoy!

**Thursday, October 19**

**6 to 8 p.m.**

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

**Missouri 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. Learn to make a small space appear larger using color, line, and form. 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 24**

**10 a.m. to noon**

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

**Botanical Room**

**Sharon Lloyd**

## EDIBLE GARDENING

### Planning Your Organic Vegetable Garden (MBG)

Are you dreaming of fresh lettuce, tasty tomatoes, and crisp cucumbers? January is a 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 2018 the year of the best vegetable garden.

**Saturday, January 20**

**10 a.m. to noon**

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

**Missouri Room**

**Cheryl Rafert and Tammy Palmier**

### 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 using organic methods, and harvest heirloom vegetables. 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 24**

**10 a.m. to noon**

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

**Missouri Room**

**Cheryl Rafert**

### Missouri's Native Wine Grape (SNR)

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

Optional sample available.

**Friday, December 1**

**6 to 8 p.m.**

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

**Adlyne Freund Center**

**Master Naturalists Peggy and Kevin Menke**

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Gardening and Landscaping continued...



## Wild Edibles (SNR)

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

**Saturday, September 30**

**9 a.m. to noon**

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

**Adlyne Freund Center**

**Dr. Catrina Adams**

## Advanced Wild Edibles (SNR)

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

**Saturday, September 30**

**1 to 4 p.m.**

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

**Adlyne Freund Center**

**Dr. Catrina Adams**

## Want more like this?

See Native Plant School: Native Wild  
Edible Plants class on page 27!



## Recycling 101 (MBG)

To toss or not to toss? That is the question we often ask ourselves when it comes to throwing things away. Does it belong in the recycling bin or the landfill? It's easy to get confused in the always-changing landscape of the recycling industry. Join us in this class to sort out the waste from the wanted, learn the in's and out's of recycling, and finally answer that age-old question. During this class you will learn the basics of the recycling industry, how it's done, what a MRF is, and get the opportunity to ask local recycling experts the questions you've been thinking about.

**Monday, October 2**

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

**\$8 members; \$10 nonmembers**

**Commerce Bank Center for**

**Science Education, Room 126**

**Simon Warren and**

**Stephen Herring, Republic Services**

## Kitchen Composting (MBG)

During this class we will dive into the science and art of indoor composting, a way to help reduce the amount of kitchen waste your home sends to the landfill daily while creating a nutrient-rich soil amendment for your gardening projects. While there are many composting methods, this class will focus on two small-scale, adaptable methods for the kitchen: bokashi and vermicomposting. We will demonstrate how each system is designed and built, and participants will walk away with their own kitchen scrap collector to get them started.

**Wednesday, September 27**

**6 to 8 p.m.**

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

**Commerce Bank Center for**

**Science Education, Room 125**

**Simon Warren**

## Shopping with Green on the Mind (MBG) **NEW**

We'll discuss a variety of shopping strategies to be a more socially and environmentally responsible consumer. We'll cover the basics of labeling, packaging, and sources, including the advantages to shopping locally. You will receive a copy of the *Better World Shopping Guide*, and other tips and tricks to make your dollars count.

**Wednesday, November 8**

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

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

**Commerce Bank Center for**

**Science Education, Room 126**

**Kat Golden**

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

Are you curious about green burial but don't know what or who to ask? Join Gracie Griffin 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.

**Thursday, November 9**

**7 to 9 p.m.**

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

**Commerce Bank Center for**

**Science Education, Room 126**

**Gracie Griffin**

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

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

**Wednesday, November 15**

**or Tuesday, February 20**

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

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

**Republic Recycling Center**

**6025 Byassee Drive**

**Hazelwood, MO 63042**

**Stephen Herring**

# biodiverseCity

st. louis

Throughout **St. Louis**, every day, people are making big and small changes to their backyards, balconies, streetscapes, schoolyards, parking lots, and play areas. Some are doing this because they love **nature** and want to experience more of it in their daily lives.

Others recognize that **native plants** in the right places help prevent flooding, clean and cool our air and improve human health and well-being.

Still others embrace the positive impact that leafy streets, accessible parks, hiking/biking trails and other **quality green spaces** have on property values and the economic vibrancy of our region.

## Think about Tables

page 6

## Gardening for Biodiversity Classes

pages 26–27



*Green Living continued...*

### Homemade Cleaners to Go! (MBG)

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

**Thursday, November 9**

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

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

**Commerce Bank Center for  
Science Education, Room 129  
Glenda Abney and Julie McCroskey**

### Eco-Friendly Furniture Repair (MBG)

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 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 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 compromising your health.

**Thursday, January 18**

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

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

**Commerce Bank Center for Science  
Education, Room 125  
Perennial Staff**

# GUIDED WALKS AND TOURS

## BEHIND THE SCENES TOURS

### Behind the Scenes: Tour of the 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 18**

**or Tuesday, September 19**

**5 to 7 p.m.**

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

**Meet at the Ticket Counter**

**Greg Cadice**

### Behind the Scenes:

#### Orchid Greenhouses (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, October 28**

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

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

**Meet at the Ticket Counter**

**Babs Wagner**

### 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 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.

**Saturday, November 11**

**10 a.m. to noon**

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

**Meet at the Ticket Counter**

**Josh Higgins**

### Wetland Evening Walk (SNR)

As the sun begins to set and the nighttime takes over, the wetland becomes a magical place. Join 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.

**Friday, September 8**

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

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

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

**Dr. James Trager**

### Wetland Mitigation Bank Tour (SNR)

Ride with us over to this remote area of Shaw Nature Reserve, not normally open to the public, across the Meramec River. We will take a 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.

**Friday, September 29**

**9 a.m. to noon**

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

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

**Dr. James Trager**

### 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.

**Friday, September 29**

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

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

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

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



*Guided Walks and Tours continued...***Walking Tour of Delmar Loop—****Green Dining Alliance District (off-site)**

Join the Green Dining Alliance and the Loop Special Business District on a walking tour of the city's second Green Dining District! The Delmar Loop was named one of the 10 great streets in America—this is your opportunity to find out why! The tour will begin at Fitz's and end at the Moonrise Hotel. Attendees will stop and talk to business owners, taste food, admire the walk of fame, and learn about the greening efforts of the business district beyond the GDA. From LEED-certified diners to a rotating moon powered by the sun, the Delmar Loop has it all! The tour will end under the solar-panel patio on top of Moonrise Hotel, where attendees can admire the view of this Green Dining District. Attendees must be 21 or older to enjoy all samples.

**Tuesday, October 20**

**3 to 5 p.m.**

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

**Fitz's**

**6605 Delmar Blvd**

**St. Louis, MO 63130**

**Jenn DeRose, Green Dining Alliance**

**Colorful Fall—Not Just Trees (MBG) *NEW***

Don't forget about how wonderful the flowers and foliage are in the fall. Many perennials and shrubs have lovely fall color like bluestar, flowering their best like roses, or just fill that fall season gap with grass plumes and seedheads. Let's applaud the fall color that all plants give us in this wonderful walking tour before winter.

**Saturday, October 21**

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

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

**Meet at the Ticket Counter**

**Mariel Tribby**

**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 trees of Missouri with emphasis on the oaks. We will also search out some of the giant trees of the Nature Reserve and some less-known species of small trees.

**Saturday, October 21**

**9 a.m. to noon**

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

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

**Dr. James Trager**

**Restoration Tour (SNR) *NEW***

Join Mike Saxton, our Ecological Restoration Specialist, on this 2-hour tour of our newly opened woodlands. Hear how we've removed invasives; learn how to identify invasives, best practices, and tools for removal; and view the native plants that emerge after years of being shaded by invasives.

**Friday, October 27**

**10 a.m. to noon**

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

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

**Mike Saxton**

**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!"

**Saturday, February 10**

**7 to 10 p.m.**

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

**Price per person.**

**Dana Brown Overnight Center**

**Shaw Nature Reserve Staff and volunteers**

# HEALTH AND WELLNESS



## Wednesday Walkers (SNR)

Walks begin at one mile and work up to three (weather permitting). At the end of two 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.

### 8 Wednesdays

**September 6, 13, 20, 27; October 4, 11, 18, 25  
10 to 11:30 a.m.**

**\$40 nonmembers; Free for members**

**Follow the signs from the entrance**

**Rachel Weller**

## Wednesday Winter Walks (SNR)

Enjoy a walk in the winter landscape. Even though it's cold, the scenery is beautiful. We'll see tracks, evergreens, icicles, and possibly snow. Warm up after with a hot drink.

### 6 Wednesdays

**December 6, 13; January 10, 27;**

**February 7, 21**

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

**\$30 nonmembers; Free for members**

**Follow the signs from the entrance**

**Rachel Weller**

## Meditations in the Garden (MBG)

Explore the treasures of the Garden through the senses. Learn mindful meditations to explore the Garden through its sounds, sights, textures, and smells. Practice 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.

### 4 Fridays

**September 8, 15, 22, 29**

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

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

**Garden Room and Garden Grounds**

**Rhonda Leifheit**

## 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.

### Thursday, October 5

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

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

**PlantLab**

**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. Class will be held in the classroom and outdoors. In partnership with the University of Missouri Extension.

### 8 Mondays

**September 11, 18, 25; October 2, 9, 16, 23, 30  
10 a.m. to noon**

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

**Missouri Room**

**Leslie Bertsch MS, MPH, RD, LD**

## 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.

### 6 Sundays

**October 1, 8, 15, 22, 29; November 5  
9 to 10 a.m.**

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

**Carriage House**

**Barbie Benetin**

*Health and Wellness continued...***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. Beginners are encouraged to join. Please bring a yoga mat. Price per class.

**Sunday, September 10, 17, or 24  
or Sunday, October 1**

**9:30 to 10:30 a.m.**

**\$15 members; \$18 nonmembers**

**Garden or Beaumont Room**

**and Garden Grounds**

**Yoga Buzz Instructor**

**Butterfly House Wellness Series:  
Metamorphosis of the  
Mind, Body, and Soul (BH)**

Throughout the year, the Butterfly House will offer programs to encourage mindfulness and wellness for the mind, body, and soul. We will offer classes involving exercise, art, education, and more! All levels.

**Butterfly House Yoga: Fall *NEW***

Enjoy five Tuesday evening yoga sessions in the serenity of our Native Garden. Keep the post-yoga bliss going with a stroll through our Conservatory.

**5 Tuesdays**

**October 10, 17, 24; November 7, 14**

**5 to 6 p.m.**

**\$64 members; \$77 nonmembers**

**Meet at the BH ticket counter**

**Yoga Buzz Instructor**

**Butterfly House Yoga: Winter *NEW***

Twist and stretch away the winter blues with our winter yoga series! Enjoy five Saturday morning yoga sessions. Take a post-practice meditative stroll through our Conservatory.

**5 Saturdays**

**February 3, 10, 17, 24; March 3**

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

**\$64 members; \$77 nonmembers**

**Meet at the BH ticket counter**

**Yoga Buzz Instructor**



**Paint and Sip Night *NEW***

Pinot's Palette joins us for a night of relaxation and painting! Everyone will learn how to paint a colorful butterfly on canvas. Enjoy wines from local vendors and light snacks.

**Wednesday, September 13  
5 to 7 p.m.**

**\$50 members; \$63 nonmembers**

**Meet at the BH ticket counter**

**Pinot's Palette**

**Soapmaking 101 *NEW***

Soapmaking 101 is an introductory workshop in which you will learn the basics of cold process soapmaking (how to make soap from scratch) from an HSCG certified soapmaker. You will learn a brief history of soapmaking, as well as how to properly use the tools and equipment to make your own soap! Each participant will take home approximately one pound of handmade soap.

**Sunday, February 18  
noon to 3 p.m.**

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

**Meet at the BH ticket counter**

**Ann Herman, River City Soapworks**

# HISTORY AND HERITAGE



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

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

**Saturday, September 16**  
**10 to 11:30 a.m.**

**\$21 members; \$26 nonmembers**  
**Meet at the Ticket Counter**  
**Wendy Applequist**

## **The Illustrated Garden in the Library (MBG)**

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

**Saturday, September 23**  
**9:30 a.m. to noon**

**\$35 members; \$42 nonmembers**  
**Monsanto Center Library**  
**Doug Holland**

## **Garden Ghost Stories (MBG)**

Experience the Garden at dusk when the spirits are alive. Walk through the Tower Grove House and hear tales of history as well as stories of unexplained interactions on the 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.

**Monday, October 16**  
**or Wednesday, October 18**  
**or Tuesday, October 24**  
**6 to 8 p.m.**

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

## **The Spice of Life (MBG)**

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 16**  
**6:30 to 8 p.m.**

**\$31 members; \$37 nonmembers**  
**Monsanto Center Lobby**  
**Jessica Griffard**

## **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 meanings as well as the stories of those people who shaped St. Louis as you tour the cemetery.

**Saturday, October 21**  
**10 a.m. to noon**

**\$40 members; \$48 nonmembers**  
**Bellefontaine Cemetery**  
**4947 West Florissant Avenue**  
**St. Louis, MO 63115**  
**Kyle Cheesborough**

*History and Heritage continued...*

### 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.

#### Cemetery Tour (SNR)

Climb aboard the Wilderness Wagon to begin our journey to visit a grave and a cemetery here at Shaw Nature Reserve. Hike by the tombstones 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 that lived here.

**Wednesday, October 25**

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

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

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

**Shaw Nature Reserve Staff and volunteers**



#### Wilderness Wagon Tour (SNR)

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

**Friday, November 3**

**10 a.m. to noon**

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

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

**Shaw Nature Reserve Staff and volunteers**



## OVERNIGHT PROGRAMMING

### Basket Making Overnight (SNR)

This is an overnight basket-weaving class in which you choose the basket(s) you will make. Register by early November, allowing you time 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. Accommodations are dormitory style in our historic log lodges. All meals provided. You will pay the instructor separately (\$15–\$30 per basket) for the materials you order in November.

**Friday, January 5, 7 a.m.**

**to Saturday, January 6, 3 p.m.**

**\$80 members; \$95 nonmembers**

**Dana Brown Overnight Center**

**Linda Brown**

### It's Your Weekend Overnight (SNR)

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 perhaps with others in front of a fire, afternoon and night hikes, and nature writing workshop. Accommodations are dormitory style in our historic log lodges. All meals provided. An optional night hike is offered.

**Saturday, January 27, 9 a.m.**

**to Sunday, January 28, 11 a.m.**

**\$85 members; \$102 nonmembers**

**Dana Brown Overnight Center**

**Helen McCallie**



# NATURE STUDY

## Monarchs and Milkweed (MBG)

The monarch butterfly is one of the most familiar butterflies in North America. Its caterpillars can only eat milkweed plants, and milkweed populations have declined throughout much of their range. This class will use a slide show to describe the monarch's biology, ecology, and migration path. We will see how crucial the St. Louis region is to the monarch migration and how we can make a difference in the recovery of both milkweed and the monarchs that depend on it. Learn about the fantastic journey the monarch butterfly takes each fall as it flies through St. Louis on its way to Mexico, and learn how you can grow several varieties of milkweed in your home garden.

**Saturday, September 30**

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

**\$21 members; \$28 nonmembers**

**Garden Room**

**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.

**6 classes**

**September 6, 11; October 9, 23;**

**November 13; December 4**

**7 to 9 p.m.**

**6 field trips**

**September 9, 16, 17; October 14, 28, 29;**

**November 18; December 9**

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

**\$250 members; \$300 nonmembers**

**First class held in the Botanical Room**

**Bill Rowe**

## How Birds Work (MBG) **NEW**

Join us to learn more about birds and explore the functional biology of the fascinating avian. In Part 1, we will cover such topics as fly, forage, migrate, orient, and navigate. Part 2 will focus on the beauty to be found in the evolutionary advances. We will study their structure as it relates to functions and adaptations that enable them to thrive in a wide variety of environments.

**1 to 3 p.m.**

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

**Commerce Bank Center for  
Science Education, Room 125**

**Dr. Richard Coles**

**How Birds Work—Part 1**

**4 Mondays**

**September 11, 18, 25; October 2**

**How Birds Work—Part 2**

**4 Mondays**

**October 23, 30; November 6, 13**



## 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, September 2**

**or Saturday, October 7**

**9 a.m. to noon**

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

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

**Dr. James Trager**

## Nature Study continued...

**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.

**Tuesday, September 19 or 26**

**or Tuesday, October 3**

**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**

**Poetry Writing Boot Camp at  
Shaw Nature Reserve (SNR)**

Shaw Nature Reserve is the perfect place to escape your to-do list and learn how to play with words—that is, write poetry. We'll begin by airing out our minds with a hike through the woods and follow up with two different poetry writing workshops. They'll consist of fun exercises that will keep our pens moving and make beginners wonder why they waited so long to start scribbling. Lunch provided.

**Saturday, October 7**

**9:30 a.m. to 4:30 p.m.**

**\$34 members; \$40 nonmembers**

**Adlyne Freund Center**

**Robert Lowes and Nancy Pritchard**

**Reading the Landscape (SNR)**

Join Shaw Nature Reserve naturalist Dr. James Trager to view and learn characteristics and vegetation to look for to determine past land use. You'll learn clues to look for when examining your own property. We will hike through various landscapes of the Nature Reserve.

**Saturday, October 28**

**9 a.m. to noon**

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

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

**Dr. James Trager**

**A Garden and a Library  
Book Club (MBG)**

The Missouri Botanical Garden invites you to participate in our new "A Garden and a Library Book Club." Join other garden and book enthusiasts over a treat from a historic St. Louis eatery, great conversation, and an interpretive walk in the Garden.

Come prepared for a short walk.

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

**\$21 members; \$28 nonmembers**

**Melissa Poth**

***A Sting in the Tale; My Adventures  
with Bumblebees***

**by Dave Goulson *NEW***

**Saturday, September 9**

**PlantLab**

***The Handmaid's Tale***

**by Margaret Atwood *NEW***

**Saturday, November 11**

**Beaumont Room**

***The Songs of Trees; Stories from  
Nature's Great Connectors***

**by David George Haskell *NEW***

**Saturday, January 13**

**PlantLab**

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

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, February 3**

**9 to 11 a.m.**

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

**Botanical Room**

**Brittany North**

# OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY



## Nature Navigators (SNR)

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

### Full Moon Night Hike for Families

Join us for this 2-hour stroll through evening and into the early night. The sun will have already begun to set before the hike starts, and 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 Shaw 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.

**Thursday, October 5**

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

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

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

**Rachel Weller**

## Insect Discovery

Come join professional entomologists as they lead us on a hike to explore the world of insects at the Nature Reserve. Grab a net and see what you might sweep up! Get hands-on as we look in every nook and cranny. Experience a close-up view as we peer through leaves. Learn all about these animals and their homes. Nets provided.

**Friday, November 10**

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

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

**Carriage House**

**Butterfly House and Shaw**

**Nature Reserve Staff**

## Night Geocaching

Geocaching is a high-tech treasure hunt. Grab your flashlights and come learn or review the basics before heading out to find the glow-in-the-dark caches. Each cache will teach you about nocturnal and crepuscular animals of Shaw Nature Reserve. The last cache will be a treat—s'mores! Be prepared to hike 2 miles on rolling terrain. We will stay on the trail in the wildflower garden, and there will be clues in addition to the coordinates to ensure you have a successful experience.

**Friday, October 6**

**7 to 9 p.m.**

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

**Carriage House**

**Rachel Weller**

## Winter Hike for Families

Bundle up and enjoy a 2-mile hike on our River Trail. Winter is a great time to hike—leaf-free views, no insects, neat ice formations, and more. We'll learn about animals that live in the river bottom area, tracks, learn five native trees by their bark, visit the Meramec River, and end with hot chocolate.

**Friday, January 26**

**3 to 5 p.m.**

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

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

**Rachel Weller**

*Outdoor Adventures continued...***Hiking With Rover**

For families with kids of all ages. Take your favorite canine companion for a nice approximately 2-mile hike led by a Shaw Nature Reserve staff member. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Hikes are on trails over rolling terrain. Please be on time! Canceled if raining.

**Sunday, September 10**

**5 to 7 p.m.**

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

**Adlyne Freund Center**

**Karen Bryan**

**Mini Hiking with Rover**

For families with kids of all ages. If you have wanted to bring your dog for Hiking with Rover in the past but didn't know if you or your dog would be able to hike for the approximate 2 miles, then this class is for you. Bring your favorite canine companion for a nice 1-hour hike led by a Shaw Nature Reserve staff member. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Please be on time! Canceled if raining.

**Sunday, September 24**

**5 to 6 p.m.**

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

**Adlyne Freund Center**

**Karen Bryan**

**Geocaching: Historical Landmarks of Shaw Nature Reserve (SNR) *NEW***

For adults only. 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 go over geocaching basics. Then you'll hike from cache-to-cache, learning about who was here before Shaw Nature Reserve. Be prepared to hike approximately 4 miles on rolling terrain.

**Friday, September 1**

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

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

**Trail House**

**Rachel Weller**

**Canopy Climb**

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

at Shaw Nature Reserve

**Saturday–Sunday, September 9–10 or October 7–8**

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

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

**Bascom House**

**Jon Richard and Vertical Voyages Team**

at the Missouri Botanical Garden

**Saturday–Sunday, September 23–24 or October 21–22**

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

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

**Meet at climb site; see map**

**Jon Richard and Vertical Voyages Team**

**Ice Cave Hike (SNR)**

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.

**Friday, January 12**

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

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

**Bascom House**

**Rachel Weller**

**Blue Moon Full Moon Night****Hike for Adults (SNR)**

Join us for this 2-hour stroll through evening and into the early night to enjoy the rare occurrence of a blue moon. The sun will have set before the hike starts, but our night vision will allow us to enjoy the sights, sounds, and smells of a winter evening at Shaw Nature Reserve. 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. Be prepared to hike approximately 2 miles over uneven ground.

**Wednesday, January 31**

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

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

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

**Rachel Weller**

**Thursday Trail Run (SNR)**

These runs introduce you to plants, animals, and trails at the Nature Reserve while enjoying the company of other runners. Route is 5 miles. All paces welcome. Weather dependent.

**14 Thursdays in September–December**

**(No run Thursday, November 23;**

**December 21 and 28)**

**8 to 9 a.m.**

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

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

**Rachel Weller**

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

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# 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: Fall (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. This fall, participants will learn about a different type of plant (flowers, herbs, bushes, or vines) during each class.

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

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

**Botanical Room and Garden Grounds  
Kelly Wehrheim**

**Monday Series**

**7 Mondays**

**September 11, 18, 25; October 2, 9, 16, 23**

**Tuesday Series**

**7 Tuesdays**

**September 12, 19, 26; October 3, 10, 17, 24**

**Wednesday Series**

**7 Wednesdays**

**September 13, 20, 27; October 4, 11, 18, 25**

### Little Sprouts: Winter (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 4-week series. This winter participants will visit the “houses” at the Garden and learn about the plants growing inside.

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

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

**Botanical Room and Garden Grounds  
Kelly Wehrheim**

**Monday Series**

**4 Mondays**

**November 20, 27; December 4, 11**

**Tuesday Series**

**4 Tuesdays**

**November 21, 28; December 5, 12**

**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. Class will be held in our indoor classroom, and when the weather allows we will walk outside also. Little Bugs learn colors, numbers, and other school-ready skills, as well as gain social experience with other children their age.

**6 Wednesdays**

**September 20, 27; October 4, 11, 18, 25**

**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, snack provided, and outdoor exploration (weather permitting). Take one class or take them all. Register by September 8, for three or more Little Nature Explorer classes, and your child will receive a t-shirt!

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

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

**Carriage House**

**Karen Bryan**

**Teddy Bear's Picnic**

**Tuesday, September 12**

**Migration Fun!**

**Tuesday, September 19**

**Prairie Fun!**

**Tuesday, October 3**

**Unhuggables**

**Tuesday, October 24**

**Now You See Me, Now You**

**Don't—Camouflage**

**Tuesday, November 7**

**Pumpkins and Turkeys**

**Tuesday, November 14**

**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. Canceled if raining.

**Monday, September 18 or 25**

**or Monday, October 2, 16, 23, or 30**

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

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

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

**Karen Bryan**

*Youth and Family continued...***Garden Buds: Fall (MBC)**

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by September 8 for three or more Fall Garden Buds classes, and your child will receive a t-shirt!

**Price per child; one adult per child.**

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

**Botanical Room and Garden Grounds**

**Kelly Wehrheim and Sharon Lloyd**

**Super Seeds**

Next year's garden is already underway, as plants drop their precious seeds. We will learn about how seeds travel, and you will take home seeds for your next garden.

**Thursday, September 7**

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

**or Sunday, September 10**

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

**An aMAZEing Race**

You'll divide into teams and use a special map to find your way through the Garden to the maze. Then you'll navigate the maze in a race where everyone wins.

**Thursday, September 28**

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

**or Sunday, October 1**

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

**Leaf the Fun to Us!**

We'll explore what makes each kind of tree special as we go on an autumn treasure hunt in the Garden. We'll create unique artwork using leaves, try some tasty tree treats, and become sleuths at identifying different trees!

**Thursday, October 12**

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

**or Sunday, October 15**

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

**Terrific Terrariums**

Join us as we learn about terrariums and why they are perfect growing environments for plants. We'll also create a small terrarium of your own to take home.

**Sunday, October 22**

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

**or Thursday, October 26**

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

**Flytraps and Pitfalls**

Beware! Carnivorous plants have invaded the Garden! Find out what these plants like to eat and how they capture their prey. You'll even get to take one home, if you dare!

**Thursday, November 9**

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

**or Sunday, November 12**

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

**Evergreen: A Special Tree for Me!**

Soft and smooth, prickly and sharp! There are many kinds of evergreens. We'll find out what makes an evergreen "ever green," discover who lives in these special plants, and use evergreens to make a special craft.

**Thursday, December 7**

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

**or Sunday, December 10**

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

## 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; one adult per three children; younger siblings may attend.**

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

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

**Free for members; \$3 plus admission for nonmembers**

**Meet at Doris I. Schnuck Children's Garden Ticket Fort  
Kelly Wehrheim**

## My Senses Tell Me...

What do your senses tell you? Join us as we let our senses guide us on our walk through the Sensory Garden.

**Saturday, September 16**

## Weather Watcher

Join us as we observe and identify changes in the weather and how this seasonal change affects the plants in the Garden.

**Saturday, October 21**

## Evergreen Trees

Why do some tree leaves stay green all winter? Join us as we explore the Garden and learn about which trees stay green and why.

**Saturday, November 18**

## Winter Bird Walk

We'll use binoculars to search for birds, observe and record bird behavior and appearance, and identify plant-based winter food sources.

**Saturday, December 16**

## Tropical Trek

Let's visit a forest that's warm all year long. Learn about tropical plants, the rainforest ecosystem, and ways to help with conservation.

**Saturday, January 20**

## Marvelous Mediterranean

With winter upon us, let's visit the Mediterranean climate in the Temperate House. Here we'll find flowers and trees that are sheltered from the cold outside.

**Saturday, February 17**

## Budding Artist Workshop (MBG)

For ages 6 to 12. Join us each season as we make a nature journal of your very own, then we'll take that journal into the garden to explore. We'll also plant a plant for you to take home so you can continue to make observations in your journal.

**Price per child; one adult per child. 1 to 3 p.m.**

**\$20 members; \$24 nonmembers  
Botanical Room and Garden Grounds  
Kelly Wehrheim**

## Fall Leaf Pressing **NEW**

This fall we'll make a journal that we can also use to press leaves.

**Sunday, September 24**

## Winter Observation **NEW**

This winter we'll make an outdoor observation journal with blank and ruled pages.

**Sunday, December 17**

## Budding Scientist (MBG)

For ages 6 to 12. Join us during your fall and winter breaks to explore and observe plants and animals in the Garden as we use Citizen Science to become a Budding Scientist. We'll learn about plant and animal lifecycles, interactions, and ways to become better stewards of the environment, all while helping scientists and researchers gain knowledge about plants and animals in our local area. Be prepared to spend the entire time outdoors. **Price per child; one adult per three children; younger siblings may attend.**

## Fall into Phenology **NEW**

Join us as we explore the Garden for fall colors and gather data for the Fall into Phenology with Project BudBurst.

**Friday, September 15, 22, or 29**

**or October 13, 20, or 27**

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

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

**Free for members; \$3 plus**

**admission for nonmembers**

**PlantLab and Garden Grounds**

**Meet at Spoehrer Plaza between Latzer Fountain and the tram shelter  
Kelly Wehrheim**

*Ages 6 and Up continued...*

### Celebrate Urban Birds

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

**Thursday, December 21  
or Friday, December 22  
or Thursday, December 28  
or Friday, December 29  
10 to 11:30 a.m.  
or 1 to 2:30 p.m.**

**Free for members; \$3 plus  
admission for nonmembers  
PlantLab and Garden Grounds  
Meet at Spoehrer Plaza between Latzer  
Fountain and the tram shelter  
Kelly Wehrheim**

### Keeper for a Day (BH)

For ages 8 to 12. Students will get an opportunity to go behind the scenes and see what is involved in our animal care. Working alongside our entomology and education staff, students will assist with general care of our animals. This includes feeding insects, releasing butterflies, preparing fruit trays, and more. Students also participate in animal handling and demonstrations for the public. This program will give students an understanding of the challenges and skills necessary for taking care of live arthropods. Each participant will receive a name badge, t-shirt, and mounted butterfly to take home. To schedule a date, please call (636) 530-0076, extension 10.

**8 a.m. to noon**

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

**Meet at the BH ticket counter  
Chris Hartley and Tad Yankoski**

## FAMILY PROGRAMMING

### Shaw Family Adventures

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

**Price per class per child;  
one adult per child.**

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

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

**Carriage House  
Rachel Weller**

### Fall Hike (SNR)

Learn what happens in fall—leaves changing color, persimmons, acorns, animals preparing to sleep, and animals traveling south. Then we will hike around the wildflower garden on a scavenger hunt to find the signs of fall. We'll play games and do a craft along the hike.

**Friday, September 15**

### Pumpkin Prowl (SNR)

Did you know that a pumpkin is a fruit? Learn more about them as we play games, hear a story, hike to find hidden pumpkins, and decorate your own pumpkin to take home.

**Friday, October 20**

### Thanksgiving Hike (SNR)

Celebrate Thanksgiving by taking a hike with your family. We will read a story, take a 1.5 mile hike to the teepee and back (strollers should have good tires), play games, and make a craft.

**Friday, November 17**

### Winter Wreath (SNR)

Take a hike to see what winter wonders are in the wildflower garden, warm up with hot chocolate, learn how to make a wreath ring from a coat hanger, and decorate your own mini wreath from natural materials to take home.

**Friday, December 8**

### The Mitten (SNR)

We'll read a story about a mitten, learn how animals stay warm in the winter, take a short hike to look for animal tracks, warm up with hot chocolate, and sew a mitten with felt and yarn to take home.

**Friday, January 5**

### Natural Valentines (SNR)

Celebrate Valentine's Day by making valentine cards with recycled paper and natural items such as leaves, acorns, dried plants, seedpods, and more! We'll start with a story, take a short hike in the wildflower garden to find hidden redbud "hearts," warm up with hot chocolate, and make valentines.

**Friday, February 2**



## Discover Nature Families

Drop-in programming for families with children of all ages. Missouri Master Naturalist volunteers will teach your family through hands-on interactive activities.

### Wildflowers (SNR)

Learn how to identify different flowers and their importance in nature. Plant a seed and take it home to your own garden. Stop by for a few minutes or an hour. No registration is required.

**Saturday, September 9**

**10 a.m. to noon**

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

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



### Missouri Mammals (SNR)

Learn about the importance of wild mammals and how to identify and protect them. Stop by for a few minutes or an hour. No registration is required.

**Saturday, October 21**

**10 a.m. to noon**

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

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

### Happy Halloween Hike (SNR) **NEW**

Enjoy the sunset as you hike through the prairie trail of not scary Halloween fun. This is a self-guided hike with stations along the way for you to learn about the animals of Halloween such as bats, cats, owls (meet an owl from the World Bird Sanctuary), and more. A s'mores treat and campfire will be ready for you to visit at any time. Costumes welcome! We will point you to the start of the trail when you arrive.

**Saturday, October 28**

**6 to 8 p.m.**

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

**Price per child; one adult per child**

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

### World of Worms (MBG) **NEW**

For families with kids 6 and up. Discover the world of worms and how worms can be used to help your family reduce waste and grow greener gardens! We'll start off with by reading a wonderful worm story, investigate a working worm bin, and end with a family project to build your family's own worm bin.

**Sunday, November 12**

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

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

**Price per child; one adult per child**

**PlantLab**

**Kat Golden**



### Kids Soapmaking 101 (BH) **NEW**

For families with kids 6 and up. Experience the art of soapmaking with this kid-friendly, melt-and-pour soapmaking class! This class allows kids to make soap by adding fragrance and color to plain melted soap base and pouring it into different shaped molds, such as Legos, flowers, paw prints, and more! No caustic chemicals involved.

**Saturday, December 2**

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

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

**Price per child; one adult per child**

**Meet at the BH ticket counter**

**River City Soapworks**

# SPECIAL EVENTS

## BUTTERFLY HOUSE

### Morpho Mardi Gras

Escape the cold by visiting Morpho Mardi Gras: Bugs, Butterflies, and Beads! Bring your krewe to the carnival during the months of February and March. Join the party at our Bug Parade, make a masquerade mask, and immerse yourself in a sea of blue as the Butterfly House floods the tropical Conservatory with thousands of blue morpho butterflies. Inaugurate the season with these and other majestic creatures. Throughout the event, visitors will be able to see over 1,500 morphos in free flight while learning about the critical role butterflies play in nature and how the Butterfly House is involved with butterfly conservation efforts in Costa Rica. Come kick off the season with these majestic creatures at the Butterfly House and immerse yourself in a sea of blue!

**Tuesday–Sunday, February–March**

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

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

### HOT! HOT! HOT!

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

**Saturday, January 27**

**or Sunday, January 28**

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

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

### Bug Hunt

Join the Butterfly House for a fun day of bug hunting! Make buggy crafts and play games about native bugs throughout the Butterfly House exhibits including our native habitat garden. Then join our entomologists on collecting trips in Faust Park where you can borrow a net to collect and identify real bugs. These outdoor collecting trips take place periodically throughout the event. All bugs will be released at the end of the hunts.

**Saturday, September 16**

**or Sunday, September 17**

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

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

### Booterfly House

Creeper 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! Story time with Little Miss Muffet daily at 10:30 a.m. Live carnivorous plant feedings with Professor Von Trap daily at 1:30 p.m.

**Tuesday–Sunday, October**

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

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

### Bug Ball

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 unique crafts, and take home lots of loot after they visit our many hand-painted Treat Houses. Families will dance to Monster Jams at the Bug Ball and spy on the amazing owl butterfly, which are only active during dusk and dawn. When tummies rumble, guests will munch on a spook-tacular dinner that will include themed menu items such as creepy pizza fingers, petrifying pastries, frightful fruit, and so much more! Admission into the Butterfly House, activities, refreshments, crafts, treats, and goody bags are included.

**Friday, October 27**

**or Saturday, October 28**

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

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

**Ages 12 months and under are free**

### Winter Jewels

The Butterfly House transforms into an enchanted land this winter! Escape the cold and experience Winter Jewels. Visit a fierce dragon and noble knights at the Castle, discover tropical jewel-toned butterflies and fairies in the Fairy Garden, and make new friends in the Gnome Forest. Join us daily for Books and Butterflies, our themed story time featuring special guest hosts of local heroes, authors, mascots, animal friends, and more!

**Tuesday–Sunday, November–December**

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

**Free for members; Included with admission for nonmembers. Ages 2 and under are free**

### Supper with Santa

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. To see how the butterflies get into the holiday spirit, guests will take night strolls through the tropical Conservatory. Santa's Workshop stations will offer children the chance to make fun crafts, including keepsake ornaments, and act silly in the photo booth. After dinner, visit Mrs. Claus's Cookie Kitchen for cookies and hot cocoa. The evening would not be complete without getting a souvenir picture with the guest of honor—Santa!

**Friday–Sunday, December 8–10 or 15–17**

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

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

**Ages 12 months and under are free**

### SHAW NATURE RESERVE



### The Academy of Science— St. Louis BioBlitz

The Academy of Science—St. Louis BioBlitz is an exploration and inventory of the biodiversity of urban parks. Teams of public volunteers led by biologists, naturalists, and environmental enthusiasts search natural areas, listing as many different species as they can find. At the end of the day, participants have a new appreciation of Shaw Nature Reserve—and their own backyard!

Registration is required and opens in the fall.

**Friday, September 22**

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

**or Saturday, September 23**

**7 a.m. to noon**

**Free and open to the public**

### MISSOURI BOTANICAL GARDEN



### 2017 Events

Japanese Festival . . . . .	Sept. 2–4
Best of Missouri Market . . . . .	Oct. 6–8
Spirits in the Garden . . . . .	Oct. 27
Children's Garden Closes. . . . .	Oct. 28–29
Gardenland Express. . . . .	Nov. 17–Jan. 1
Garden Glow. . . . .	Nov. 17–Jan. 1
Saturday with Santa . . . . .	Dec. 9
Chanukah at the Garden . . . . .	Dec. 10
Kwanzaa at the Garden . . . . .	Dec. 27

### 2018 Events

Orchid Show . . . . .	Feb. 3–Mar. 25
Orchid Nights. . . . .	Feb. 8 and 22, Mar. 8 and 22
Black History Celebration . . . . .	Feb. 18
Children's Garden Opening Weekend. . . . .	Mar. 31–Apr. 1

**Visit [www.mobot.org/events](http://www.mobot.org/events) for updates and information about special, one-time events!**

Special Events continued...

## HAPPY HOUR EVENTS



For adults 21 and up, including designated drivers.

## Wicked Wings and Wine

### Wicked Wings and Wine (BH)

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 from Urban Chestnut and wines from Total Wine & More while you learn about our owl butterflies, which are most active at dusk. Plus, encounter other spook-tacular live animals from World Bird Sanctuary throughout the event. Take a stroll through the torchlit garden and enjoy festive music. Dare to try our chocolate ants or barbecued meal worms! Don't worry...other light appetizers will also be catered. Guests will take home a souvenir tasting glass.

**Wednesday, October 18 or 25  
6 to 8 p.m.**

**\$25 members; \$35 nonmembers;  
\$15 designated drivers**

### Old Time Christmas Music (SNR)

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 or coffee, other beverages, homemade Christmas cookies, and the festive décor as you listen to a holiday concert with fiddle, guitar, and harmonies. Finish off the night with a sing-a-long to classic Christmas carols.

**Friday, December 8**

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

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

**Adlyne Freund Center  
Downstream**



### Friday Night Flights (BH)

If you can't travel to NOLA for Mardi Gras, then celebrate like a member of the Krewe of Morpheus at the Butterfly House! We are joining forces with the magnificent blue morpho butterfly and Morpheus, the God of Dreams, for an evening like no other! Dine on appetizers from Championship Catering and experience new wines and other libations, from Total Wine & More and Urban Chestnut, in the midst of blues and jazz music from the National Blues Museum. Meet a celebrity animal, from the Endangered Wolf Center and experience the Butterfly House Conservatory at dusk. Guests will get to take home a souvenir tasting glass.

**Friday, February 2 or 9**

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

**\$25 members; \$35 nonmembers;**

**\$15 designated drivers**

# CONNECTING SCOUTS TO NATURE

Programs and Workshops



Explore the world of insects, go for a hike,  
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: Missouri Botanical Garden, Shaw Nature Reserve, and the Butterfly House.

**Programs are aligned with badge and award requirements.**

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

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



# CLASS INFORMATION/POLICIES

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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



## Give the gift of knowledge!

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

# Registration Form

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

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

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

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

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

*\* Gender information needed only for overnight programs.*

Course Name	Attendee	Location	Date	Fee
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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.

**CLASSES ARE  
ALSO OFFERED AT:**

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

Monsanto Center  
4500 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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