

A circular badge with a dark blue background and a white border. The text "REGISTRATION BEGINS" is written in a circle around the number "1", which is in a large green font. Below the number is the word "FEB" in white.

REGISTRATION BEGINS
1
FEB

A detailed botanical illustration serves as the background. It features a large purple coneflower with a yellow center and long, thin petals. To its right is a green fern frond. In the bottom left, there is a small orange flower cluster. In the bottom right, there is a bee, a snail, and a strawberry. The central text is enclosed in a dark blue square with a green border.

Learn + Discover

classes for adults,
youth + family

Purple Coneflower
Echinacea purpurea



MISSOURI
BOTANICAL
GARDEN



SHAW
NATURE
RESERVE



Butterfly
House

Spring/Summer 2017
March–August
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!

TABLE OF CONTENTS

ADULT CLASSES.....6
DIY Crafts 6
Fine Arts 10
Photography 12
Food and Cooking 17
 Cultural Inspirations 17
 Drink More Plants 18
 Eat More Plants 19
Gardening and Landscaping 21
 Gardening Best Practices 21
 Gardening for Biodiversity 26
 Landscape Design Ideas 29
 Edible Gardening 29
Green Living 30
Guided Walks and Tours 32
Health and Wellness 35
History and Heritage 36
Overnight Programming 37
Nature Study 38
OUTDOOR ADVENTURES
 For Adults, Youth, and Family 41
YOUTH AND FAMILY44
Ages 6 and Under 44
The Little Years..... 44
Ages 6 and Up..... 47
Family Programming 48
SPECIAL EVENTS.....50
CLASS INFORMATION/POLICIES...54
REGISTRATION FORM55

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

© 2017 Missouri Botanical Garden.
Printed on 100% post-consumer recycled paper.
Designer: Allison Jones
Inside Photos: Flannery Allison, Hayden Andrews, Amanda Attarian, Kimberly Bretz, Kerri Carter, Christopher Gibbons, Sheridan Hentrich, Thomas Incrocci, Ryan Thomas Lay, Lindsay Moser, Brian Mueller, JJ Mueller, Phoebe Musmann, Joshua Neznam, Kat Niehaus, Mary Lou Olson, Robin Powell, Paul Straatmann, and Daniel Yaroshevsky.

SITE
CODES:

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



Weekend Festival • April 1 & 2 • 10 a.m. to 3 p.m.
Missouri Botanical Garden • Shaw Nature Reserve • Butterfly House

Bring your family and celebrate spring in active, outdoor, nature-inspired ways!

The weekend will invite visitors to re-connect with nearby nature, learn about citizen stewardship opportunities, and celebrate the outdoor gems of the St. Louis eco-region.

- Activities at all three sites, **Missouri Botanical Garden, Shaw Nature Reserve, and Butterfly House** at Faust Park.
- **Construct micro-habitats** like nest boxes, insect hotels, and native bee homes.
- Try out **Canopy Climb, paddleboarding, fishing**, and more!
- **Interact with experts** from the region's national, state, and city parks and reserves
- **Native plant** gardening and landscaping **design ideas and inspirations**. Native plants available for purchase.
- In 2017, pledge to spend **more time exploring and stewarding** St. Louis' great outdoors!



Learn more at www.mobot.org/meetmeoutdoors



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.

Adult Classes

Think About Tables Workshop NEW	9
Butterfly House Photography Series	16
Spring Container Gardening NEW	21
Getting a Handle on Invasive Bush Honeysuckle NEW	26
All About Butterfly House NEW	33
Butterfly House Yoga NEW	35
Faust Park Historic Village Walking Tour NEW	36

Youth and Family Classes

Little Bugs: Spring	45
Grown-up and Me Painting NEW	49

Special Events

Morpho Mardi Gras: Bugs, Butterflies & Beads NEW	50
Bookworm Breakfast with the Very Hungry Caterpillar	50
Bookworm Breakfast with Curious George NEW	50
Pollinator Plant Sale NEW	50
Fancy Tea with Mommy and Me	50
Family Sundays: Monarch Journey NEW	51
Family Sundays: Water Bugs NEW	51
Firefly Festival (Family Nights)	51

Happy Hours

Friday Night Flights NEW	51
Fireflies After Dark NEW	51

Learn more at 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

DIY Herb Drying Rack	7
DIY Wood Flower Press NEW	7
Mosaic Stepping Stones	8
Soldered Glass Pendants	8
Wine Bottle Reuse: Planters	9
Choosing ICED Tea with the Planet in Mind	18
Traveling the World in a Cup of Tea	18
Composting 101	24
Creating a Healthy Indoor Environment at Home NEW	30
Eco-Friendly Furniture Repair	30
Field Trip: Food Roof Farm NEW	30
Green Burial: A Better Way to Go	30
Homemade Cleaners to Go!	31
Kitchen Composting NEW	31
Recycling 101: To Toss or Not To Toss? NEW	31
Technology of Single Stream Recycling (off-site)	31
Walking Tour: Green Dining Alliance District	34

Youth and Family Classes

Camp EarthWays: Young Green Builders	47
Great Green Games NEW	49
2017 Green Homes Festival	52

Learn more at www.mobot.org/ewc

ADULT CLASSES

DIY CRAFTS



Creative Flower Arrangements for the Home: Gift it Forward

Creating arrangements from your own yard can be a relaxing and rewarding experience. Join us for one or both 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, maximizing store-bought bouquets, and unusual vase ideas. In each class, you will create two small, seasonal, one-of-a-kind vase arrangements. You keep one for yourself and give one to brighten someone's day. Price per class.

Sweet Spring Bouquet (MBG) **NEW**

Saturday, March 25

10 to 11:30 a.m.

\$33 members; \$40 nonmembers

Botanical Room

Sharon Lloyd

Sensational Summer Bouquet (MBG) **NEW**

Saturday, May 20

10 to 11:30 a.m.

\$33 members; \$40 nonmembers

Botanical Room

Sharon Lloyd

Weaving Your Own Spring Scarf (MBG)

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

Saturday, March 25

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

\$75 members; \$90 nonmembers

Garden Room

Jill Kettler

Nature Print Scarf (SNR) **NEW**

Create a unique silk scarf dyed with natural materials such as leaves and flower petals. Learn what supplies work best and how to dye the scarf, take a short hike to collect natural items, and then create your own scarf to take home. There will be design options, and you will be able to take your scarf home that day.

Friday, August 18

10 a.m. to noon

\$20 members; \$24 nonmembers

Carriage House

Rachel Weller



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, May 31

6:30 to 8:30 p.m.

\$35 members; \$42 nonmembers

Carriage House

Bailie Fischer



Basket Making 101: Seed Packet Basket (MBG)

Join us for the opportunity to learn a new craft in this hands-on class. Basket weaving is not only therapeutic, but the end result gives you a useful basket for your home! This is a great basket for those with no experience or a nice refresher basket for those who want to get reacquainted with this handy skill. Choose from a variety of seed packets for an optional tie-on. All weaving materials supplied. Some hand strength needed.

**Saturday, March 11
9:30 a.m. to 2:30 p.m.**

**\$49 members; \$59 nonmembers
Botanical Room
Stephanie Arnold**

Basket Making (SNR)

Create your own basket by learning basic weaving techniques and using natural materials. By mid-March you will need to choose between making a gathering, wine, berry, Cherokee heart, or twill wall basket. Please keep in mind that the twill wall basket is for experienced basket weavers who are up for a challenge!

**Saturday, April 1
9 a.m. to 3 p.m.**

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

Basket Making 101: Market Basket (MBG)

Just in time for the farmer's market season, learn to weave this functional market basket. This sturdy basket features a filled bottom and swing handle. Considered a beginner's basket, it would also make a great basket for those who haven't woven for a while. This basket incorporates several reed sizes, along with basic weaving techniques. Weaving materials supplied. Hand strength needed. Leave those plastic bags at home.

**Saturday, June 24
9:30 a.m. to 3:30 p.m.**

**\$62 members; \$74 nonmembers
Commerce Bank Education Center, Room 125
Stephanie Arnold**

DIY Herb Drying Rack (MBG) NEW

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, May 6
1 to 2:30 p.m.**

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

DIY Wood Flower Press (MBG) NEW

Do you love dried flowers and other botanicals? Want to preserve these for years to come? Learn to build your own flower press from salvaged wood. Theresa, Perennial's lead instructor and craftswoman, will demonstrate how to safely use the tools needed to cut and assemble your own upcycled flower press. You'll gain experience safely using Japanese hand saws, electric drills, and clamps during this process. When finished you'll be able to proudly leave the class with a working recycled press that will properly preserve your botanical wonders for long after they've been picked!

**Saturday, April 8
noon to 3 p.m.**

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

Gardens in Miniature: Fairy Gardening (MBG)

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

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

**\$55 members; \$69 nonmembers
Botanical Room
Sharon Lloyd**



Mosaic Stepping Stones (MBG)

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

Saturday, March 4

1 to 4 p.m.

\$44 members; \$55 nonmembers

PlantLab

Perennial

Nature Mobile (SNR) NEW

Create a unique mobile for your nursery or home décor, or create to give as a gift at a baby shower. View a demonstration, get ideas and tips, take a short hike to collect natural items, and then create the mobile to take home. There will be design options, and you will be able to take your mobile home that day.

Friday, August 25

10 a.m. to noon

\$20 members; \$24 nonmembers

Carriage House

Rachel Weller

Pressed Plants: From Past to Present (MBG)

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

Saturday, March 25

9 to 11 a.m.

\$56 members; \$67 nonmembers

PlantLab

Brittany North



Soldered Glass Pendants (MBG)

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

Saturday, April 15

noon to 3 p.m.

\$50 members; \$60 nonmembers

PlantLab

Perennial

Terracotta Wind Chimes (MBG)

Add music to your garden or patio with a wind chime made with your own two hands. In this fun workshop, you will get your hands dirty with terracotta clay. Using leaves for decorations, you will construct your wind chimes using simple hand-building techniques. No clay experience needed. Fired and stained pieces will be ready for pick-up at the Center for Home Gardening after May 10.

Monday, April 24

7 to 9 p.m.

\$40 members; \$48 nonmembers

Beaumont Room

Mary Henderson

Terrarium: Greening Your Cube (MBG) **NEW**

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

Thursday, March 30

6:30 to 8 p.m.

\$48 members; \$58 nonmembers

Botanical Room

Sharon Lloyd

Think About Tables Workshop at Butterfly House (BH)

Ages 13 and up (ages 13–17 must come with a parent or guardian). In North America, bush honeysuckle (*Lonicera maackii*) is an invasive species. Yet honeysuckle wood is sturdy and strong and grows in interesting shapes, making it ideal for transforming a problem into a creative opportunity. View a demonstration and make your own table. All materials provided. Please bring sack lunch, gloves, apron or work clothes, and walking shoes.

Saturday, March 25

9 a.m. to 3 p.m.

\$30 members; \$36 nonmembers

Meet at the BH ticket counter

Dale Dufer

Upcycled Coil Weaving Baskets (MBG) **NEW**

Transform your old garden gear into a new upcycled basket. Using found materials, Theresa, Perennial's lead instructor and craftswoman, will demonstrate how to coil weave with hoses and burlap to create a hanging planter. The finished product can be hung up in your garden or put to use to help organize your potting station.

Monday, April 3

5:30 to 9 p.m.

\$50 members; \$60 nonmembers

**Commerce Bank Education Center, Room 125
Perennial**



Upcycled Garden Globe (MBG) **NEW**

Add a little glass sculpture to your garden. You will create an 8 inch garden globe made from a recycled plastic light globe and learn tricks on covering your globe with glass stones and silicone. Take home your creation in this hands-on class. Additional ideas such as adding a solar light will be discussed. Hand strength needed to complete the project.

Tuesday, June 6

6 to 8 p.m.

\$44 members; \$53 nonmembers

Botanical Room

Sharon Lloyd

Wine Bottle Reuse: Planters (MBG)

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

Saturday, March 25 or

Saturday, August 5

noon to 3 p.m.

\$40 members; \$50 nonmembers

CBEC 125

Perennial

FINE ARTS



Garden of Glass: Beyond the Material (MBG) NEW

2017 Garden of Glass Exhibit. Learn the process behind the art with this amazing presentation by Craig Mitchel Smith. A self-taught artist, he has developed his own process of fusing and slumping glass to the delight of admirers around the world. Inspired by the natural world and his own gardening experience, Craig will give you a new appreciation for the breadth and depth of his allegorical work. Member registration for this event includes a pre-lecture meet and greet with the artist, with cocktails available for purchase, from 6 to 7 p.m.

Tuesday, May 2 or

Wednesday, May 3

7 to 8 p.m.

\$12 members; \$14 nonmembers

Theater

Craig Mitchell Smith

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 line, brush strokes, color mixing, and composition in the most beautiful Garden in the world.

6 Thursdays

April 6, 13, 20, 27; May 4, 11

9:30 a.m. to noon

\$135 members; \$162 nonmembers

Garden Room/Garden Grounds

Tito Gay

Sketching in the Garden (MBG)

Beginner/Intermediate. 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

April 5, 12, 19, 26; May 3, 10, 17, 24

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Center for Home Gardening Classroom

Jaclyn Lawson

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

April 25; May 2, 9, 16, 23, 30; June 6, 13

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Missouri Room

Mary Dee Schmidt



Iris: Rainbow in Watercolor (MBG) NEW
 Beginner/Intermediate. Join Mary Dee Schmidt and paint the amazing collection in the Goodman Iris Garden in watercolor. From the perimeter of the garden, experience the rainbow of colors that irises produce when blooming while learning tips from Mary Dee. Bring your own watercolor paints and supplies for this unique workshop.

Monday, May 15
9:30 a.m. to 1:30 p.m.
\$56 members; \$67 nonmembers
Meet in PlantLab
Mary Dee Schmidt

Watercolor in Bloom (MBG)

All levels. Using the free-flowing, spontaneous nature of watercolor, students will paint the beauty of spring into expressive, vibrant, and colorful paintings. Techniques to be present include painting wet into wet, glazing, and negative and positive shape making. Students will also learn to make "painterly" paintings through design and the use of decisive, expressive brushstrokes. The focus of the class is to have fun while exploring impressions of spring through the medium of watercolor.

6 Mondays
March 6, 13, 20, 27; April 3, 10
6:30 to 9 p.m.
\$135 members; \$162 nonmembers
Missouri Room
Judy Seyfert

Watercolor Wisdom (MBG)

Beginner/Intermediate. This class is designed to give you a strong grasp of how to use watercolor paint and help you approach your own paintings with confidence. Using a limited palette, Judy will demonstrate simple techniques for making impressive paintings. Through group and individual instruction, students will learn how to design and create their own compositions.

8 Fridays
March 3, 10, 17, 24, 31; April 7, 14, 21
9:30 a.m. to noon
\$180 members; \$216 nonmembers
Center for Home Gardening Classroom
Judy Seyfert



Watercolor: Confident Color (MBG)

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

6 Saturdays
April 8, 15, 29; May 6, 13, 20
9:30 a.m. to noon
No class 4/22
\$140 members; \$167 nonmembers
Missouri Room (except 4/29 and 5/6 PlantLab)
Judy Seyfert

Broaden Your Poetic Voice in an Inspirational Garden Setting (MBG) NEW

Connecting the natural beauty of the Garden to fine art has long been a tradition of the Missouri Botanical Garden. Another is the celebration of different cultures. This class will meet in the Chinese Garden, which includes traditional Chinese sculpture, architecture, and an ancient Chinese poem. In this setting we will discuss poetry writing techniques, review the ancient roots of Chinese poetry, and take a "walk-about" on the site. Participants will leave with a new appreciation and understanding of Chinese poetry and Garden inspiration.

Friday, April 21
1 to 3 p.m.
\$22 members; \$28 nonmembers
Meet at the entrance of the Chinese Garden
Eleanor Hall and Jim Biggs

PHOTOGRAPHY

Garden Photography Series

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.

Tuesday, March 14

5:30 to 8 p.m.

\$50 members; \$60 nonmembers

Meet at Ticket Counter

Scott Avetta

Funtography (MBG) **NEW**

All levels. Putting the fun back in your photography is very important. Many photographers have lost the passion, and all the rules and technology have caused a type of burnout. During this session you will see how having fun—including humor, breaking the rules, and being creative and spontaneous—can elevate your work and bring back the joy. A short walk with your camera will be included in this session. Enjoy photography again this spring.

Saturday, March 18

10 a.m. to 12:30 p.m.

\$35 members; \$42 nonmembers

Missouri Room

Scott Avetta

Composing with the Light (MBG)

Beginner/Intermediate. A better understanding of light is critical to stronger photography. But light by itself does not necessarily make a great image. In this multi-session class we will discuss how composition and light relate and how to apply it during a photo shoot. We will look at color, shape, patterns, leading lines, framing, and how they can be used with certain types of light. Together they will improve your photography. Participants should have a basic understanding of the camera and its key features. To gain camera knowledge, consider taking Photography Boot Camp offered in March.

2 Tuesdays

April 25; May 2

9:30 a.m. to noon

\$56 members; \$67 nonmembers

Center for Home Gardening Classroom

Scott Avetta

Behind the Scenes: Teahouse Island Photography (MBG)

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!

Tuesday, May 9

9 a.m. to noon

\$52 members; \$62 nonmembers

Meet at Ticket Counter

Scott Avetta

Photography Boot Camp (MBG)

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

4 Tuesdays | March 21, 28; April 4, 11 | 9:30 a.m. to noon | Center for Home Gardening

4 Wednesdays | March 22, 29; April 5, 12 | 6:30 to 9 p.m. | Garden Room

\$140 members; \$168 nonmembers

Scott Avetta

Sunset photography (MBG)

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

2 Wednesdays

May 10, 17

6:30 to 8:30 p.m.

\$56 members; \$67 nonmembers

Botanical Room

Scott Avetta

Garden of Glass Photography (MBG) NEW

All levels. Capture the color and magic of the Garden of Glass in the evening at its most stunning illumination. With tips and tricks from your professional photography instructor, you will take wonderful photos of the Climatron filled with colorful glass flowers and leaves.

Monday, June 5 or

Monday, June 12

7 to 9 p.m.

\$58 members; \$70 nonmembers

Meet at Ticket Counter

Scott Avetta

Walking Photography Tour: Along the Riverfront (off-site) NEW

Beginner/Intermediate. Join Richard Reilly in this new walking photography tour of downtown St. Louis. Participants will explore the art and architecture of the St. Louis riverfront. Reilly will guide you to interesting architectural and historic sites along the St. Louis riverfront while helping you learn to create artistic photographs directed at composition and observation of details in various structures. Reilly documents the built environment as part of his work with the Garden's EarthWays Center and also serves as the principal photographer for the All the Art Magazine. He shows his work regularly in St. Louis galleries. Be prepared to walk (approximately 2–3 miles) during the course of the class. Must have working knowledge of your camera.

Saturday, May 13

10 a.m. to 1 p.m.

\$40 members; \$48 nonmembers

Meet/park on the roof of Stadium Garage East (200 S Broadway, St. Louis, MO 63102)

Richard Reilly

Take a Closer Look (MBG) NEW

Intermediate. Get a little closer to the amazing world of close-up photography. In this intermediate course, we will discuss subject selection for greater impact. A small area can create an abundance of opportunities if we observe the many details. We will discuss maximizing your equipment (a macro lens is not required) and create a better understanding of light with and without diffusers and reflectors which will be demonstrated in the field. The use of a tripod and cable release/remote can be helpful but not required.

2 Tuesdays

July 11, 18

9:30 a.m. to noon

\$56 members; \$67 nonmembers

Center for Home Gardening Classroom

Scott Avetta

**Photographing Water Lilies (MBG)**

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

Monday, July 24

6:30 to 8:30 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Scott Avetta

Shaw Photography Series

**Shades of Grey: The Subtle Art of Black and White Photography (SNR)**

Beginner/Intermediate. Join photographer Jeff Hirsch for this all-day workshop for photographers who want to advance their black and white shooting and processing skills. We will start with a brief look at the history of black and white photography as a medium before moving on to practical lessons about how to get the most out of your shooting and processing of monochromatic photos.

Saturday, March 18

9 a.m. to 4 p.m.

\$80 members; \$96 nonmembers

Adlyne Freund Center

Jeff Hirsch

Art in Nature (SNR)

Beginner/Intermediate. May brings a vast selection of subjects to Shaw Nature Reserve including wildflowers, birds, and insects. Join us for this exciting all-day workshop with renowned photographer Noppadol Paothong, author of *Save the Last Dance: A Story of North American Grassland Grouse*. Many also enjoy his exquisite photographs in the Missouri Department of Conservation monthly magazine, *Missouri Conservationist*. Through fieldwork, classroom presentations, and discussions, Noppadol will share tips on equipment, subject expertise, and techniques that he uses in the field to overcome the difficulty of working with wild subjects. Participants should have a good understanding of exposure with natural light and concepts such as aperture, ISO, and shutter speed.

Saturday, May 20

6 a.m. to 4 p.m.

\$140 members; \$168 nonmembers

Carriage House

Noppadol Paothong

Close-Up Photography (SNR)

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

Saturday, June 10

7 to 11 a.m.

\$55 members; \$66 nonmembers

Carriage House

Scott Avetta

Great Photographers of Our Time (SNR)

All levels. Join local professional photographers Scott Avetta, Stewart Halperin, and Jeff Hirsch, as well as other Shaw Photography Series instructors at the Dana Brown Overnight Center for an evening salon focusing on some of the great photographers of our time. Through short video clips followed by lively discussion, discover the works of some of the greats including Henri Cartier Bresson, Sam Abel, Jay Maisel, Annie Liebovitz, Saul Lieber, Alfred Stieglitz, Sebastiao Salgado, Andres Kertesz, Edward Weston, and more. There will also be opportunities to socialize with fellow participants over beverages and light fare.

Saturday, July 22

5 to 9 p.m.

\$20 members; \$24 nonmembers

Dana Brown Overnight Center

Shaw Photography Series Instructors

How to Photograph Butterflies and Dragonflies (SNR)

Intermediate. Join backyard wildlife specialists Richard and Susan Day and learn how to photograph butterflies and dragonflies. During the morning classroom session Richard will offer tips on creating pleasing photos, explain equipment needed, use of flash, how to approach your subject, where to find butterflies and dragonflies, and show species you're likely to see during the workshop. There will be morning and afternoon shooting sessions with hands-on instruction and feedback in the field. In late afternoon we'll return to the classroom where Susan will give a short presentation on plants that attract butterflies. The workshop ends with a final wrap-up with time for questions and answers.

Lunch provided.

Saturday, August 5

9 a.m. to 4 p.m.

\$140 members; \$168 nonmembers

Carriage House

Richard and Susan Day

Photographing Virginia Bluebells (SNR)

All levels. Join us for the opportunity to photograph the sea of Virginia bluebells that bloom each spring in the Meramec River bottomlands. Weather permitting, we will use our Wilderness Wagon to transport participants to within a short distance of the bluebell "show." This is not a formal class. However, photographer Scott Avetta will be on hand to offer techniques and suggestions to get the most out of this experience. There is potential for every lens. Capture a field of bluebells with a wide-angle lens or hone in on its delicate bloom with a macro lens—and everything in between. Participants should have a basic working knowledge of their camera. Dress for being outdoors and wear comfortable shoes for walking a short distance over uneven terrain.

Email lydia.toth@mobot.org (preferred) or call (636) 451-3512, ext. 6006, to be added to the email or cell phone list. When the bluebells are nearing their peak, you will be contacted.

Expected time frame: March 20–April 15

8 to 11 a.m.

\$20 members; \$24 nonmembers

Meet at the SNR Visitor's Center

Shaw Nature Reserve Staff and volunteers

Butterfly House Photography Series



Behind the Scenes: Morpho Mardi Gras Photography (BH) **NEW**

This class will offer the special privilege of taking photographs at a time when the Butterfly House is closed to the public. More than 1,500 blue morpho butterflies fill our conservatory during this event, and their beauty makes them wonderful photography subjects. Get rare access to the Butterfly House to take photos with professional assistance using a tripod. Participants should have a basic understanding of their camera's features.

Monday, March 13

9:30 a.m. to noon

\$40 members; \$50 nonmembers

Meet at the BH ticket counter

Scott Avetta

Butterfly Chrysalis Photography (BH)

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

Monday, April 3

9:30 a.m. to noon

\$38 members; \$46 nonmembers

Meet at the BH ticket counter

Scott Avetta

Photography of the Historic Village (BH) **NEW**

Step outside the Butterfly House to the Historic Village of Faust Park. Faust Historic Village has and continues to preserve the area's vernacular architecture and history. There are four homes and a total of 16 structures spanning a period from 1840 to 1910 and representing a variety of building and architectural styles, from log to brick. We will photograph the village with professional help from Scott Avetta in the beautiful light of a spring evening.

Thursday, May 18

5:30 to 8 p.m.

\$38 members; \$46 nonmembers

Meet at the BH ticket counter

Scott Avetta

Insect Photography (BH)

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, jewel beetles, walking sticks, tarantulas, and others. A tripod and remote cable release are recommended for this class.

Thursday, July 20

5:30 to 8 p.m.

\$40 members; \$50 nonmembers

Meet at the BH ticket counter

Scott Avetta

Capturing Dragonflies: Outdoor Photography (BH)

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

Thursday, August 10

5:30 to 8 p.m.

\$38 members; \$46 nonmembers

Meet at the BH ticket counter

Scott Avetta

FOOD AND COOKING

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

CULTURAL INSPIRATIONS



How to 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!

Tuesday, March 14

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Marianne Prey

Pizza Napoletana (MBG)

Join us for a Taste of Italy (without the carbon footprint!) and learn how to be a pizza maker in your own kitchen. Discover the history of pizza, making dough with "00" flour, and choosing authentic ingredients. Everyone will eat pizza during the class and have a chance to shape the dough. Take home recipes to get the best results from your home oven and backyard grill.

Tuesday, March 28

7 to 9 a.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Marianne Prey

WOK Around China (MBG) **NEW**

The best of China: we will explore customs, cooking skills, and secrets based on 25 years of culinary teaching experiences. Come join us for fun tastes as we "Wok Around China."

Saturday, April 8

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Theresa Liu

Sweet and Savory Scones (MBG) **NEW**

Join us as we learn to prepare a traditional British golden raisin scone with homemade clotted cream, chocolaty American style scone, savory beef cobbler scone with a cheese topping, scone muffin pie using homemade pie filling and a twist on a St. Louis favorite, the gooey butter scone cake! All wonderful additions to your spring parties. Come early and enjoy a springtime stroll through our beautiful English Woodland Garden.

Tuesday, April 11

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft of Queen's Cuisine

Springtime at the Tea Room (MBG) **NEW**

Plan on joining us as we learn to prepare the Queen's Cuisine signature tomato soup served with cheese scones. Jane will also prepare a fresh spinach salad with strawberries and house glazed walnuts and a spring vegetable quiche with vegetables soon to be in your local farmer's market. For dessert she will prepare a beautiful butterfly cupcake.

Monday, April 24

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft of Queen's Cuisine

A Traditional French Lunch

Menu (MBG) **NEW**

Begin with fresh, seasonal ingredients, add a little savoir faire, and you are ready to prepare a simple and delicious meal. Savory tarts come in all sorts of forms and fillings in French cuisine. Complete with a well-seasoned salad and a sweet dessert, they are perfect to make a whole meal. Everything will be made from scratch, from the shortcrust pastry dough for the leek and salmon tart to French vinaigrette to chocolate fondant paired with vanilla-flavored crème anglaise.

Tuesday, April 25

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

DRINK MORE PLANTS

Behind the Brew

*Meet at Urban Chestnut meeting room;
Urban Chestnut Brewing Company, 4465
Manchester Avenue, St. Louis, MO 63110*

Making Earth-Friendly, Sustainable, and Delicious Beer with Urban Chestnut (off-site)

Join Florian Kuplent, brewmaster and co-founder of Urban Chestnut Brewing Company, in this informative class as he describes the sustainable and environmentally friendly brewing process at their LEED-certified Grove Brewery and Bierhall. Free samples of their beers included!

Tuesday, March 28

7 to 8:30 p.m.

\$20 members; \$25 nonmembers

Urban Chestnut Meeting Room

Florian Kuplent

Sipping Summer Wheats with Urban Chestnut (off-site) **NEW**

Wheat beers are a popular thirst quencher to help relieve the heat of the St. Louis summer. Explore the art of brewing wheat beer styles from around the world—in a sustainable, earth-friendly way. Free samples of Urban Chestnut beers included!

Tuesday, June 6

7 to 8:30 p.m.

\$20 members; \$25 nonmembers

Urban Chestnut Meeting Room

Urban Chestnut Brewmaster

A Look into German Beer Styles with Urban Chestnut (off-site)

Learn about German beer styles from Urban Chestnut's brewmaster, co-founder, and German native, Florian Kuplent. 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, brewing process, and the flavor and aroma of these German-style beers. Includes some tasting of a few styles (based on what is available at time of the class).

Thursday, August 31

7 to 8:30 p.m.

\$20 members; \$25 nonmembers

Urban Chestnut Meeting Room

Florian Kuplent



Choosing ICED Tea with the Planet in Mind (MBG)

When it comes to summer refreshment, nothing beats a cold glass of iced tea. In this class, you'll learn how to brew the best iced tea while supporting sustainable, environmentally friendly practices. We'll try teas typically used for "icing" and teas that are enjoyed hot but also taste great over ice. You'll learn how to properly prepare iced tea and discover how it is a great way for busy people to get full value out of hand-crafted Direct Trade/Farmer Direct whole leaf teas. We'll talk about sun tea and "cold" brewing and have lots of tea sampling—with and without caffeine!

Monday, June 26

6 to 7:30 p.m.

\$20 members; \$25 nonmembers

PlantLab

Kateri Meyer

Traveling the World Through Cups of Green Tea (MBG) **NEW**

St. Patrick's Day may be over, but the celebration of all things green is just getting started. Kick off Earth Month by travelling the world with a different kind of green beverage—green tea! Join Kateri Meyer of Traveling Tea to learn how green tea is grown around the world. Enjoy samplings of green tea from several countries, such as China, India, Indonesia, and Japan, including matcha, powdered green tea.

Saturday, March 25

9 to 10:30 a.m.

\$20 members; \$25 nonmembers

Commerce Bank Education Center, Room 125

Kateri Meyer

**Introduction to Bread Baking (MBG)**

Whether using dry yeast or wild yeast, baking bread is always magical and very rewarding. In this introduction to bread baking, we will make and bake French bread and baguettes using different yeasts, techniques, and baking methods. Pick which one suits you to put into practice when you go home. Of course, you will get to taste everything we make in class.

Wednesday, March 22**10 to noon****\$37 members; \$43 nonmembers****Center for Home Gardening Classroom****Caroline Achard****Eggs for Breakfast, Lunch, Dinner and Dessert (MBG) NEW**

Chef Diana Smith will teach us how to use all those fresh eggs from your backyard chickens or the farmer's market to make eggs in a hole in a bread and Brussels sprouts, bacon, and gruyere frittata. Then prepare a shakshuka flatbread, eggs poached in a spicy tomato and feta sauce with prosciutto, kale, parmesan, and quail eggs. Complete the menu with raspberry soufflé.

Monday, April 3**7 to 9 p.m.****\$37 members; \$43 nonmembers****Center for Home Gardening Classroom****Diana Smith****Herbal Garden Party (MBG) NEW**

The St. Louis Herb Society is throwing a "garden party" and you're invited! Top trends in farm-to-table food team up with classic and unique herbs in drinks, appetizers, and main courses—even decorations—inspiration to last all summer long! You'll take home recipes and a FREE book: *How to Grow Herbs in the Midwest*, by The St. Louis Herb Society—a resource you'll have for a lifetime.

Monday, April 17**9:30 a.m. to noon****\$37 members; \$43 nonmembers****Center for Home Gardening Classroom****St. Louis Herb Society****Go Beyond Iceberg! (MBG) NEW**

Join us as we learn to create a beautiful warm tuna nicoise salad and a romaine salad with roasted beets, goat cheese, spiced pecans, and quinoa. Chef Diana Smith will show us how to make a salad with herbs and pita chips, roasted fennel panzanella salad, and green salad tacos.

Saturday, May 6**10 a.m. to noon****\$37 members; \$43 nonmembers****Center for Home Gardening Classroom****Diana Smith****Summer is Coming! (MBG) NEW**

And so are the summer vegetable dishes! We will make and bake a savory cake using seasonal vegetables, as well as a cucumber quinoa salad and a crunchy and tasty zucchini salad with hazelnuts. Caroline will add her "French touch" to these recipes by making individual cherry tomato clafoutis, which make a perfect side dish at a dinner party or a whole simple one-dish meal when served with a green salad.

Monday, May 8**7 to 9 p.m.****\$37 members; \$43 nonmembers****Center for Home Gardening Classroom****Caroline Achard****The History of Chocolate (MBG)**

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

Tuesday, May 9**7 to 9 a.m.****\$37 members; \$43 nonmembers****Garden Room****Kim Petzing****Harvesting, Preserving, and Cooking with Herbs (MBG) NEW**

Spring is exactly the right time to plan for what to do with a bountiful crop of herbs this year. Join Bruce Chalker and his colleagues in The St. Louis Herb Society and learn how to harvest and preserve your herbs for culinary use. Herbal cookery will be introduced with the taste of bread and breakfast. Herbal treats will be served at the conclusion of this class.

Tuesday, May 9**6 to 8 p.m.****\$37 members; \$43 nonmembers****Center for Home Gardening Classroom****St. Louis Herb Society Bruce Chalker**

Summer Produce Mystery Classes (MBG) **NEW**

Each class will feature recipes based on what is available to harvest from your garden or at the farmer's market that month. Both vegetable and fruit recipes guarantee some fresh and new twists for your next gathering. Join Lana as she provides delicious food and recipes to make right now. As always, she will have advice on how to select, cook, and preserve the current harvest. Sign up for all three, they will be full of surprises! Price per class.

Tuesday, May 16 or

Tuesday, June 20 or

Tuesday, July 25

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

It's Rhubarb Time! (MBG)

Rhubarb is fun to bake and so good! If you are lucky to have rhubarb in your backyard garden or easily available at the farmer's market, we will learn how to make a compote rhubarb as well as a typical tart rhubarb from Alsace. We will also use rhubarb in a crumble and bake little "Financiers a la Rhubarb," the French way!

Tuesday, May 23

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Mix it Up with Fr. Dom (MBG) **NEW**

Fr. Dom is known for his carefully-crafted yeast breads, but sometimes even the Bread Monk needs something quick and easy. In this class, you'll get the recipe for a multigrain baking mix that's a healthier alternative to commercial biscuit mixes, and learn how to make baked donuts, Welsh skillet scones, a versatile coffeecake, and a galette with sweet or savory fillings. Additional recipes for pancakes, waffles, and muffins will be part of the class materials, so you can spend the rest of the summer exploring your inner Breadhead! Fr. Dom's cookbooks will be available for purchase after the class.

Saturday, June 10

9 to 11:30 a.m. or 1 to 3:30 p.m.

\$49 members; \$58 nonmembers

Center for Home Gardening Classroom

Fr. Dominic Garramone, OSB



Fruits of Summer (MBG) **NEW**

Join us as we bake a rosy plum gallette and butter-roasted apricots with boozy mascarpone. Chef Diana Smith will teach us how to make green gazpacho with shrimp; a watermelon, arugula, and pine nut salad; and a peach, prosciutto, and mozzarella flatbread. Top it off with a beautiful mixed berry semifreddo! More reasons to enjoy the summer fruits.

Saturday, June 24

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

Spices and Vegetables (MBG) **NEW**

Jane gets spicy! Learn to use traditional Indian spices to prepare cauliflower bhaji, vegetable korma, and chickpea curry wrapped in a wholewheat chapati. And enjoy the earthy flavor of Indian chai tea.

Monday, June 26

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft of Queen's Cuisine

Gold Rush! Liquid Gold!

HONEY! (MBG) **NEW**

From the beehive to your patio, these creative, refreshing honey herb recipe ideas are perfect to enjoy and share with family and friends. From beverages, appetizers, and desserts, honey is the liquid gold that makes these recipes shine. Lana will show us how she makes sparkling honey lemonade with citrus salt, oven-baked manchego cheese, rosemary and honey appetizer, three-cheese herbs and honey spread with toasted baguette, beef meatballs with honey harissa-pomegranate glaze, and poached peaches in moscato-spiced thyme honey syrup with vanilla frozen custard.

Tuesday, July 11

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

GARDENING AND LANDSCAPING

GARDENING BEST PRACTICES



Become a Great Gardener

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

Back to Basics Garden Boot Camp (MBG)

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

4 Thursdays

April 6, 13, 20, 27

6 to 8 p.m.

\$88 members; \$106 nonmembers

Room changes for different weeks

April 6, 20 Botanical Room

April 13, 27 MO Room

Sharon Lloyd

Low-Maintenance Perennials (MBG)

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

Tuesday, April 25

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Edible Gardening in Containers (MBG)

Want to grow your own food? Not sure where to start? No room for a traditional garden? Come learn how to grow fresh, delicious edibles in containers including edible flowers, herbs, vegetables, and fruits. Create a burlap lined bushel basket filled with spring edibles to take home.

Tuesday, March 28

5:30 to 7:30 p.m.

\$55 members; \$69 nonmembers

Botanical Room

Sharon Lloyd

Spring Container Gardening

Learn the basics of container gardening from types of containers, potting soils, watering, fertilizing, and plant selection. Take a walk outside in the Butterfly House backyard garden for inspiration. Create a 12 inch container made from recycled fiber material that can stand alone or be used as a liner inserted into your container at home, perfect for full sun to part shade.

\$55 members; \$69 nonmembers

Price per class

Sharon Lloyd

at Butterfly House NEW

Saturday, April 15

10 a.m. to noon

Meet at the BH ticket counter

or

at Missouri Botanical Garden

Tuesday, April 18

6 to 8 p.m.

Botanical Room

Become a Great Gardener continued...

**Shade Container Gardening (MBG) NEW**

Learn ideas about containers that you will be proud to grow in the shade. Color can come from variegated and contrasting foliage. Add interest with a variety of textures and seasonal blooms. As with other container classes, learn the basics of container types, potting soils, watering, fertilizing, and plant selection. Take a walk to see this season's creative containers. Create a 12 inch container made from recycled fiber material that can stand alone or be used as a liner inserted into your container at home.

Tuesday, May 16**6 to 8 p.m.****\$55 members; \$69 nonmembers****Botanical Room****Sharon Lloyd****Summer Container Gardening**

Learn the basics of container gardening from types of containers, potting soils, watering, fertilizing, and plant selection. Take a walk to see this season's creative containers. Create a 12 inch container made from recycled fiber material that can stand alone or be used as a liner inserted into your container at home.

\$55 members; \$69 nonmembers**Price per class****Sharon Lloyd****at Missouri Botanical Garden****Tuesday, May 23****6 to 8 p.m.****Botanical Room****or****at Butterfly House NEW****Thursday, May 25****6:30 to 8:30 p.m.****Meet at the BH ticket counter****Perennials 101**

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

6 to 8 p.m.**\$28 members; \$34 nonmembers****Price per class.****Sharon Lloyd****at Missouri Botanical Garden****Tuesday, April 11****Botanical Room****or****at Butterfly House NEW****Thursday, June 22****Meet at the BH ticket counter****Welcome to St. Louis Gardening (MBG)**

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

Tuesday, June 13**6 to 8 p.m.****\$28 members; \$34 nonmembers****Botanical Room****Sharon Lloyd****Blooms for Four Seasons (MBG)**

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

Tuesday, July 25**6 to 8 p.m.****\$28 members; \$34 nonmembers****Botanical Room****Sharon Lloyd****Basic Tree Care for Your Home (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 grounds.

Tuesday, May 23**6 to 8 p.m.****\$28 members; \$34 nonmembers****PlantLab****David Gunn**



Beginning Bonsai

Junipers (MBG)

Gain an understanding of the basic principles of bonsai in this hands-on workshop. Brian and Milt Ciskowski will guide you through the steps for creating your own indoor bonsai plant. Styling, pruning, wiring, and overwintering will be discussed, as well as plant selection and routine maintenance. All materials will be provided, including your own bonsai. Class on April 15 will be a juniper and class on June 24 will be a summer tropical.

Saturday, April 15

9 a.m. to noon

\$72 members; \$86 nonmembers

Beaumont Room

Brian and Milt Ciskowski

Summer Tropical (MBG) **NEW**

Gain an understanding of the basic principles of bonsai in this hands-on workshop. Brian and Milt Ciskowski will guide you through the steps for creating your own indoor bonsai plant. Styling, pruning, wiring, and overwintering will be discussed, as well as plant selection and routine maintenance. All materials will be provided, including your own bonsai plant. Class on April 15 will be a juniper and class on June 24 will be a summer tropical.

Saturday, June 24

9 a.m. to noon

\$72 members; \$86 nonmembers

Missouri Room

Brian and Milt Ciskowski

Beyond the Basics: The Art of Pruning (MBG)

Take your pruning to the next level. You know how to cut back a twig to a node but learn beyond the basics of pruning by controlling the size and shape. Start to enhance the form of small trees and shrubs as displayed throughout the Japanese Garden with tips from Teresa. She will do a live pruning demonstration during class on the grounds.

Monday, May 15

6 to 8 p.m.

\$35 members; \$42 nonmembers

Center for Home Gardening Classroom

Teresa Pafford

Pruning with Ben Chu (MBG)

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

Tuesday, April 11

6:30 to 8:30 p.m.

\$30 members; \$36 nonmembers

Missouri Room

Ben Chu

Best Bulbs for St. Louis (MBG) **NEW**

Spring isn't spring without the amazing color and variety of flowering bulbs in the garden. Learn about the best bulbs from familiar favorites to unusual rarities that grow well in the Midwest. Get tips on how to add them to your garden with season-long bloom in mind.

Tuesday, March 21

6 to 8 p.m.

\$28 members; \$34 nonmembers

Garden Room/Garden Grounds

Jason Delaney

Heirloom Bulbs (MBG) **NEW**

Step back in time and hear about the gilded age of bulb gardening from the mid-1800s to 1930s. Heirloom bulbs are enjoying a resurgence of interest as old varieties are being rediscovered and preserved by gardeners of all ages. Jason Delaney will weave amazing illustrations throughout the presentation from his extensive collection of antiquarian bulb catalogs. Learn which varieties are still available and how to grow them in St. Louis.

Tuesday, April 18

6 to 8 p.m.

\$28 members; \$34 nonmembers

Garden Room

Jason Delaney

Boxwood Basics (MBG)

Boxwood trunks were once used to carve chess pieces and boxes from which its common name is derived. Learn about the characteristics of these historically successful plants and how to care for them in your own garden. Learn techniques of pruning including reduction, thinning, and shearing as well as common pests and diseases. The class will visit the Missouri Botanical Garden's Boxwood Garden for a hands-on pruning demonstration.

Saturday, April 8

10 a.m. to noon

\$28 members; \$34 nonmembers

PlantLab

Boxwood Society of the Midwest

Composting 101

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

\$35 members; \$45 nonmembers

Kat Golden

at Shaw Nature Reserve

Friday, March 24

1 to 2:30 p.m.

Carriage House

at Butterfly House **NEW**

Saturday, August 26

10 to 11:30 a.m.

Lopata Learning Lab

Growing Orchids: Part II (MBG)

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

Tuesday, April 18

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Babs Wagner

**DIY Repot Your Orchid (MBG)**

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

Tuesday, April 25

6 to 8 p.m.

\$33 members; \$40 nonmembers

Garden Room

Babs Wagner

Fall in Love with Roses Again (MBG) **NEW**

Have you stopped gardening with roses because you think they're high maintenance or need heavy chemicals? Nothing could be further from the truth. Join Marissa Sedmak, the Garden's rosarian, as she shares her plans for the rose gardens and how she cares for them as sustainably and with as little work as possible. This class will start inside, then venture outdoors to the rose gardens. Get inspired to retry these classic flowers.

Tuesday, June 13

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Marissa Sedmak

Growing Hydrangeas in St. Louis (MBG)

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

Monday, June 19

6 to 8 p.m.

\$30 members; \$36 nonmembers

Center for Home Gardening Classroom

Anne Kirkpatrick

Made in the Shade (MBG)

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

Monday, April 17

6 to 8 p.m.

\$28 members; \$34 nonmembers

Center for Home Gardening Classroom

James Wagner

MBG's Favorite Tools of the Trade (MBG)

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

Tuesday, April 4

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Travis Hall

Mother's Day Container Garden (MBG)

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

Tuesday, May 2

6 to 8 p.m.

\$55 members; \$69 nonmembers

Price per person

Botanical Room

Sharon Lloyd

Rescue Your Zoysia (MBG)

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

Tuesday, April 25

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Glennon Kraemer

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

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

Saturday, June 10

10 a.m. to noon

\$33 members; \$40 nonmembers

Missouri Room

Justin Lee

Spring Lawn Care (MBG)

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

Tuesday, March 21

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Glennon Kraemer

GARDENING FOR BIODIVERSITY

Invasive Plants in Your Yard (MBG)

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

Wednesday, March 1

7 to 9 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Dr. Quinn Long

Getting a Handle on Invasive Bush Honeysuckle at Butterfly House (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.

Saturday, March 11

1 to 3 p.m.

\$14 members; \$17 nonmembers

Meet at the BH ticket counter

Scott Woodbury

Neighborhood Nature: Designing for Biodiversity (MBG)

Create a habitat for wonderful song birds and nectar loving butterflies to share with your children or grandchildren. Learn how to grow plants both native and non-native that are beneficial for wildlife in both shady and sunny locations. Your garden will come alive with the movement with your "visitors."

Monday, May 1

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical room

Kyle Cheesborough

Inviting Native Bees into Your Garden (MBG)

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

Monday, April 24

6 to 8 p.m.

\$33 members; \$39 nonmembers

Center for Home Gardening Classroom

Chris Hartley

**Gardening for Hummingbirds (MBG)**

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

Thursday, May 11

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Sharon Lloyd



Native Plant School

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

Maintaining a Successful Native Garden (SNR)

Learn to shape gardens that fit into your neighborhoods, your yards, and minds. Successful gardens get weeded, watered, and mulched. Plants are divided, pruned, and removed when they show up in the wrong place. This class will show you how to enhance and maintain an enjoyable and beautiful garden.

Thursday, March 9

1 to 4 p.m.

\$14 members; \$17 nonmembers

Carriage House

Scott Woodbury

Top Performing Native Plants for the St. Louis Region (SNR)

Class will cover the best of the best native plants for a home garden, how to combine them, deer resistance, and the best plants for wildlife. Plants selections mostly based on ornamental value, compact size, lack of weediness, longevity, and wildlife value. If you are thinking about starting or expanding a native plant garden, this class may be for you.

Thursday, April 13

1 to 4 p.m.

\$14 members; \$17 nonmembers

Carriage House

Scott Woodbury

Rain Gardening (SNR)

Rain gardens function like miniature natural watersheds. They slow down, capture, and absorb water using elements similar to those in nature: plants, rocks, shallow swales, and depressions that hold water temporarily rather than letting it quickly run away. They provide beauty, natural diversity, and wildlife habitat in areas that otherwise would be a monoculture of lawns, pavement, concrete culverts, and storm drains. This class will show you how to plan, install, and maintain a rain garden and bioswale.

Thursday, May 4

1 to 4 p.m.

\$14 members; \$17 nonmembers

Carriage House

Scott Woodbury

Front Yard Formal Native Landscaping (SNR) NEW

We'll take a look at how to incorporate native plants into a front yard setting. Class discussion will cover topics such proper plant selection, design methods, maintenance, use of turf grass, and more. Your neighbors will be envious of your tidy garden and will want to know all about your well-behaved native plants.

Thursday, June 8

1 to 4 p.m.

\$14 members; \$17 nonmembers

Carriage House

James Faupel

Gardening for Wildlife (SNR)

What can you plant that will look good in your home landscape and bring birds and butterflies to your yard? Bring a drawing of your landscape plan and get ready to explore planting options that will work with your yard's soil, light, and water conditions. We will examine the best plants for wildlife use in a home garden setting and the wildlife they attract.

Thursday, July 13

1 to 4 p.m.

\$14 members; \$17 nonmembers

Carriage House

April Anderson

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.

Gardening for Biodiversity Classes

page 26 - 28

Think about Tables

page 9

Honeysuckle Sweep Events

March 4-19

BiodiverseCitySTL@mobot.org



Easy Tree I.D. for Beginners

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 and learn about the trees that make up your world! Join certified arborist Mike Walsh, a forester and nurseryman with Forest ReLeaf of Missouri, as he eases students into this multi-day learning experience through presentations and lots of time looking at trees.

\$84 members; \$100 nonmembers

Mike Walsh

at Missouri Botanical Garden

3 Tuesdays

May 16, 23, 30

6 to 8 p.m. or

3 Saturdays

July 1, 8, 15

9 to 11 a.m.

Rain date 6/6 6–8 p.m.

Missouri Room

at Butterfly House **NEW**

3 Tuesdays

August 1, 8, 15

6 to 8 p.m.

Rain date 8/22

Meet at the BH ticket counter

Oaks of Missouri (MBG) **NEW**

Are you interested in learning more about the native oak trees that live among us and others from around the world? Join Mike Walsh, Forestry Programs Manager at Forest ReLeaf of Missouri and explore the many varieties of native oaks, differences in red and white oaks, commercial, ecological, urban and wildlife benefits, and much more.

Saturday, June 17

9 a.m. to noon

\$42 members; \$50 nonmembers

Garden Room/Garden Grounds

Mike Walsh

Combining Native Plants in your Garden (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.

Tuesday, July 11

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Sharon Lloyd

To register go to www.mobot.org/classes

LANDSCAPE DESIGN IDEAS

Home Landscape Design (MBG) **NEW**

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

6 Wednesdays

March 29; April 5, 12, 19, 26; May 3

6:30 to 9 p.m.

Optional: 4/19; 5:30 to 6:30 p.m. grounds walk

\$149 members; \$179 nonmembers

Missouri Room

Randall Mardis

Infinite Iris (MBG)

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

Monday, July 10

5:30 to 7:30 p.m.

\$33 members; \$39 nonmembers

Botanical Room

Sara Neil

Delightful Daylilies (MBG)

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

Monday, July 17

5:30 to 7:30 p.m.

\$33 members; \$39 nonmembers

Missouri Room

Sara Neil



EDIBLE GARDENING

Organic Spring Vegetables (MBG)

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

Monday, March 27

5 to 7 p.m.

\$33 members; \$40 nonmembers

Center for Home Gardening Classroom

Cheryl Rafert and Tammy Palmier

Unusual Vegetables (MBG)

Tomatoes are the top vegetable to grow in the summer, but what other tasty treats can you grow? We will discuss short, red okra, mouse melons, Malabar spinach and other fun varieties to try growing organically. Walk through the Center for Home Gardening vegetable garden and see what other vegetables you can grow in St. Louis. Step out of your tomato zone and try something new this summer.

Wednesday, May 24

6 to 8 p.m.

\$33 members; \$40 nonmembers

Center for Home Gardening Classroom

Cheryl Rafert and Tammy Palmier

GREEN LIVING



Creating a Healthy Indoor Environment at Home (MBG) **NEW**

Join Richard Reilly, local energy expert and EarthWays Center staff member, in a 90-minute discussion tying home health and energy efficiency together. Reilly is one of the first in the state to acquire the Building Performance Institute's Health Homes Evaluator Certification. Discussion will demonstrate how to increase comfort and lower bills—saving money! Get pointers on easy DIY projects and a better understanding of when it is time to call in a pro. Map out a strategy for your home, based on its current conditions and your preferred budget.

Tuesday, March 14
6 to 7:30 p.m.

\$8 members; \$10 nonmembers

Commerce Bank Education Center, Room 125
Richard Reilly

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

Saturday, May 20
1 to 2:30 p.m.

\$35 members; \$42 nonmembers
PlantLab
Perennial

Field Trip: Food Roof Farm (off-site) **NEW**

Visit Urban Harvest STL's Food Roof Farm for this session on urban agriculture and get a glimpse into rooftop farming in downtown St. Louis! Urban Harvest STL empowers communities to cultivate equitable access to healthy, sustainably grown food and enhance biodiversity in cities. In 2015 they built the Food Roof Farm, St. Louis's first rooftop farm, where they educate and directly affect people where they live while growing food for people who need it the most in the community. Learn how this farm is a model for sustainable building, stormwater management, community development, and urban agriculture, and their plans to replicate this model to increase resiliency in our food system and position urban environments for climate adaptation.

Saturday, August 19,
noon to 2 p.m.

\$20 members; \$25 nonmembers
Meet at Urban Harvest STL's Food
Roof Farm located at 1335 Convention
Plaza, St. Louis, MO 63103
Mary Ostafi, Urban Harvest STL

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 MacDonnell of St. Louis' 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, May 18
7 to 9 p.m.

\$5 members; \$7 nonmembers
Commerce Bank Education Center, Room 125
Gracie MacDonell



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 two products: liquid laundry detergent and an all-purpose spray cleaner. Bring your own homemade cleaning product ideas to share. Snacks will be provided as we make our cleaners.

Thursday, May 11

6:30 to 8:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Education Center, Room 125

Glenda Abney and Julie McCroskey

Kitchen Composting (MBG) NEW

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. Participants will walk away with their own kitchen scrap collector to get them started.

Thursday, May 25

7 to 8:30 p.m.

\$35 members; \$42 nonmembers

PlantLab

Kat Golden



Recycling 101: To Toss or Not To Toss? (MBG) NEW

To toss or not to toss? That is the question we often ask ourselves when it comes to throwing things away. 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 ins-and-outs 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 an MRF is, and get an opportunity to ask the recycling questions you've been thinking about.

Thursday, March 16

7 to 8:30 p.m.

\$8 members; \$10 nonmembers

PlantLab

Kat Golden

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 process.

Tuesday, April 11 or

Thursday, June 15

6:30 to 8 p.m.

\$10 members; \$12 nonmembers

Republic Recycling Center | 6025

Byassee Dr. Hazelwood, MO 63042

Stephen Herring

GUIDED WALKS AND TOURS

BEHIND THE SCENES TOURS



Garden of Glass (MBG) **NEW**

Take an exclusive look at the 2017 Garden of Glass exhibit, escorted by artist Craig Mitchell Smith. See the inner workings and the installation of his unique glass sculptures prior to the show's opening. You will have the unique opportunity to handle the glass.

**Thursday, May 4 or
Monday, May 8 or
Tuesday, May 9 or
Wednesday, May 10**

6:30 to 8 p.m.

\$21 members; \$26 nonmembers

**Meet at Ticket Counter
Craig Mitchell Smith**

Bluebells Abound! (SNR)

In the Nature Reserve's Meramec River bottomland, a sea of Virginia bluebells blooms each spring. They are off the beaten path, but we will provide guides and transportation on the Nature Reserve's Wilderness Wagon to get you as close as possible. You will walk .25 to 1 mile depending on road conditions. A sweet treat follows your hike

**Thursday, April 6
12:30 to 3:30 p.m.**

\$10 members; \$12 nonmembers

**Meet at the SNR Visitor's Center
Shaw Nature Reserve Staff and Volunteers**

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, April 24 or

Tuesday, April 25

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

**Meet at Ticket Counter
Greg Cadice**



Tea on the Terrace and Tour (SNR)

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

Saturday, April 29

2 to 4 p.m.

\$30 members; \$36 nonmembers

**Price per person
Carriage House
Terri Brandt**

Tips and Tricks from the Rock Gardens (MBG) **NEW**

You don't need hiking boots to scale two different rock gardens at the Garden, but you will need walking shoes as we tour both the Rock Garden and Bavarian Garden, highlighting blooms of the season as well as contrasting how each rock garden is different. Explore rare and native plants and hear lessons learned to make plants that thrive in these unique environments.

Saturday, April 29

10 a.m. to noon

\$28 members; \$34 nonmembers

Meet at Ticket Counter

Marief Tribby

Garden's Greenhouses and Pest Management (MBG)

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

Tuesday, May 2

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Derek Lyle

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, May 5

7 to 9:30 p.m.

\$28 members; \$34 nonmembers

Meet at the SNR Visitor's Center

Lydia Toth, Rachel Weller, and volunteers

All About Butterfly House (BH) **NEW**

Join us on a journey of the story of the Butterfly House. Learn how this unique facility came to St. Louis and grew from a simple idea to one of the nation's largest butterfly houses. We will take a visual walk through the timeline of the Butterfly House then a walking tour through our Tropical Conservatory, ending with small groups in our entomology lab to see how our animals are cared for behind the scenes.

Monday, June 5

9:30 to 11 a.m.

\$7 members; \$9 nonmembers

Meet at the BH ticket counter

Laura Chisholm

Water Lilies and More (MBG)

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

Tuesday, August 8 or

Tuesday, August 15

5:30 to 8 p.m.

\$35 members; \$42 nonmembers

Meet at Ticket Counter

Derek Lyle



Walking Tour: Green Dining Alliance District

Join us on a walking tour of St. Louis' own unique Green Dining Districts. Jenn Derose, Green Dining Alliance Program Manager, will lead participants during this exciting opportunity to learn how a local program is helping make a big difference in the St. Louis restaurant scene. The Green Dining Alliance District, a program of St. Louis Earth Day, is a sustainability certification program for restaurants. Restaurants certified by the GDA recycle, work to reduce their energy and water use, and never use styrofoam. The GDA has two Green Dining Districts, where 25% of the independent restaurants have made commitments to reduce their environmental footprint—and this is your chance to learn more!

Delmar Loop (off-site) **NEW**

Join the Green Dining Alliance and the Loop Special Business District on a walking tour of the second Green Dining District in St. Louis. The Delmar Loop was named one of the 10 great streets in America—and 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 the Moonrise Hotel, where attendees can admire the view of this Green Dining District.

Wednesday, May 3 | 3 to 5 p.m. | \$20 members; \$25 nonmembers

Fitz's | 6605 Delmar Blvd, St. Louis, MO 63130

Jenn DeRose, Green Dining Alliance Program Manager

Maplewood (off-site) **NEW**

Tour the first ever Green Dining District, Maplewood! The residents, businesses, school district and government of Maplewood all work together to make sustainability goals a lasting reality. The city has the Nation's first Green Dining District and offers the amenities of a large city, while maintaining the friendliness and charm of a small town making it one of the most walkable communities in the area. From arts to parks, to bowling and brew, the city packs quite a punch into one square mile. Maplewood celebrates nationally renowned restaurants and specialty shops, a historic bowling alley and two of the top craft breweries in the country. The tour will begin at Schlafly Bottleworks, where we will hear from their brewmaster while tasting beers (must be 21+ to sample beers). We will walk from the brewery to visit several businesses, including Kakao and Larder and Cupboard, enjoy samples, talk to business owners, and learn how Maplewood became the first Green Dining District, a Green Power District, and A Green Business Challenge Awardee.

Saturday, June 17 | 2 to 5 p.m. | \$20 members; \$25 nonmembers

Schlafly Bottleworks | 7260 Southwest Ave, St. Louis, MO 63143

Jenn DeRose, Green Dining Alliance Program Manager

Butterfly House Yoga (BH) **NEW**

Enjoy an hour-long, all-levels yoga class. Beginners are encouraged to join. Classes will be held outside, with an indoor location as a back-up in the event of inclement weather. Please bring a yoga mat.

Saturday, March 18

11 a.m. to noon

\$15 members; \$18 nonmembers

Meet at the BH ticket counter

Yoga Buzz Instructor

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

April 3, 10, 17, 24; May 1, 8, 15, 22

10 a.m. to noon

\$40 members; \$48 nonmembers

Garden Room

Leslie Bertsch MS, MPH, RD, LD

Wednesday Walkers (SNR)

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

9 Wednesdays

April 5, 12, 19, 26; May 3, 10, 17, 24, 31

10 to 11:30 a.m.

\$0 members; \$45 nonmembers

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

April 28; May 5, 12, 19

9:30 to 11 a.m.

\$75 members; \$90 nonmembers

Education PlantLab /Garden Grounds

Rhonda Leifheit

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.

4 Sundays

May 7, 14, 21, 28

9:30 to 10:30 a.m.

\$64 members; \$77 nonmembers

Garden Room/Garden Grounds

Yoga Buzz Instructor

Vinyasa Flow Yoga at Shaw

Nature Reserve (SNR)

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. Classes will be held in the Carriage House (which overlooks the Whitmire Wildflower Garden).

6 Sundays

May 14, 21; June 4, 11, 18, 25

9 to 10 a.m.

No yoga on 5/28 due to Memorial Day weekend

\$60 members; \$72 nonmembers

Carriage House

Barbie Benetin

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.

Friday, May 26

9:30 to 11:30 a.m.

\$28 members; \$34 nonmembers

Garden Room

Rhonda Leifheit

HISTORY AND HERITAGE



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.

Daffodil Hike (SNR)

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

Friday, March 31

10 a.m. to noon

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Shaw Nature Reserve Staff and Volunteers

Bascom House Tour (SNR) **NEW**

Tour the behind-the-scenes upstairs of the Bascom House, view remnants in the garden (including a headstone), and hear about the families that lived here before the land became Shaw Nature Reserve.

Friday, April 21

10 a.m. to noon

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Rachel Weller

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 the Arboretum, and finally to today's Shaw Nature Reserve. Our long-time staff and volunteers will narrate the tour to share our history.

Friday, May 26

10 a.m. to noon

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Shaw Nature Reserve Staff and Volunteers

Eastern Bluebirds Tour (SNR)

View a presentation about the history of the eastern bluebird monitoring program. Climb aboard the Wilderness Wagon for a 3-mile tour of the nest boxes, and take a peek inside a few boxes to check on chicks. Each year more than 300 chicks hatch in our 86 bluebird boxes.

Friday, May 19

10 a.m. to noon

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Shaw Nature Reserve Staff and Volunteers

Faust Park Historic Village Walking Tour (BH) **NEW**

Located just outside the Butterfly House, the Historic Village in Faust Park provides a glimpse into 19th-century life in St. Louis. Join a Faust Park historian for a fascinating walking tour of the village. You will learn facts about the structures themselves and hear the stories of how the buildings came to be in the park. There are four homes and a total of 16 structures spanning a period from 1840 to 1910 and representing a variety of building and architectural styles, from log to brick. Don't miss this chance to step back in time.

Saturday, April 22

10 to 11 a.m.

\$7 members; \$9 nonmembers

Meet at the BH ticket counter

Faust Park Historians

The History of Collecting Plants and Our Herbarium (MBG)

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

Tuesday, May 16

7 to 9 p.m.

\$28 members; \$34 nonmembers

Monsanto Center, Library

Jim Solomon

Bellefontaine Cemetery Tour (off-site)

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

Saturday, May 20

10 a.m. to noon

\$40 members; \$48 nonmembers

Meet at Bellefontaine Cemetery Entrance

4947 West Florissant Ave, St. Louis, MO 63115

Kyle Cheesborough

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, June 24

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Meet at Ticket Counter

Dr. Wendy Applequist



OVERNIGHT PROGRAMMING

Discover Nature: Women's Overnight (SNR)

This program offers the opportunity to participate in outdoor activities led by knowledgeable instructors. Learn, improve, or practice outdoor skills in archery, trap shooting, fishing, wildflower identification, and enjoy a night hike. Accommodations are dormitory-style in climate-controlled historic log cabins.

For ages 16 and up. Ages under 18 must be accompanied by an adult. No partial-day sign-ups. In partnership with the Missouri Department of Conservation. Price includes snacks and meals.

8 a.m. on Saturday, June 10

to noon on Sunday, June 11

\$60 members; \$72 nonmembers

Dana Brown Overnight Center

Shaw Nature Reserve Staff and Missouri

Department of Conservation

NATURE STUDY



FrogWatch USA™ (SNR)

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

Tuesday, March 7 or

Tuesday, March 28

6:30 to 8:30 p.m.

\$0 members; \$0 nonmembers

Carriage House

Lydia Toth and Rachel Weller

Build a Bluebird Nest Box (SNR)

Make a North American Bluebird Society-style nest box for the eastern bluebird to put out in your yard just as they begin arriving at their breeding locations in our state in March and April. Take a short hike to view some of the boxes at the Shaw Nature Reserve and go over proper placement and care.

Friday, March 3

10 to 11:30 a.m.

\$20 members; \$24 nonmembers

Meet at the SNR Visitor's Center

Rachel Weller

Basics of Birding (MBG)

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

6 Classes

Mondays: April 17, 24; May 1,

8 at 7 to 9 p.m. and

Saturdays: April 29; May 13 at 7 a.m. to 3 p.m.

\$180 members; \$216 nonmembers

Garden Room

Joseph Eades

Morning Bird Walk (SNR)

This early-morning walk during the height of spring migration is designed to help you see many bird species at Shaw Nature Reserve.

This walk is for those who have a basic knowledge of local birds and are comfortable using their own binoculars. Bring binoculars, be prepared to hike a few miles over uneven ground, and dress for the weather. Come to one or all of the walks; each will be different.

Wednesday, April 12 or

Wednesday, April 19 or

Wednesday, April 26 or

8 to 10:30 a.m.

\$5 members; \$7 nonmembers

Price per class.

Meet at the SNR Visitor's Center

Don Hays, Shaw Nature Reserve Volunteer

Migratory Bird Walk (SNR) **NEW**

Join your guide at the Trail House where we will begin our hike to the River Bottoms.

This is the time of year thousands of birds are migrating through, and warblers will potentially be abundant. The various species will be pointed out as we walk along. This walk is for those who have a basic knowledge of local birds and are comfortable using their own binoculars.

Saturday, May 6

8:30 a.m. to noon

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Aileen Abbott

Weather Spotter (MBG)

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

Wednesday, March 8

6:30 to 9 p.m.

No Charge.

Shoenberg Theater

Jim Krampner

Signs of Spring Hike (SNR) NEW

Take a walk through Shaw Nature Reserve with master naturalists who know the best spots to view signs of spring—specifically spring wildflowers. Come ready for a 3-mile moderate hike; bring water and hiking shoes/boots, with camera in hand!

Friday, March 10

1 to 4 p.m.

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Master Naturalists Besa

Schweitzer and Darla Preiss

Spring Wildflower Walk (SNR)

Join these informal, educational walks through the colorful spring season. The Nature Reserve's excellent trail system, winding through upland and bottomland forest, is an ideal place to enjoy ephemeral spring wildflowers and other natural wonders. Past participants have found that bringing a picnic lunch can be a worthwhile treat to enjoy after the walk (optional).

Tuesday, April 11 or

Tuesday, April 18 or

Tuesday, April 25 or

Tuesday, May 16 or

Tuesday, May 23 or

Tuesday, May 30

9:30 a.m. to noon

\$7 members; \$9 nonmembers

Price per class

Meet at the SNR Visitor's Center

Dr. James Trager with Dick and Susie Russell

**A Garden and a Library Book Club**

The Missouri Botanical Garden invites you to participate in our "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.

"The Language of Flowers" by Vanessa Diffenbaugh (MBG) NEW

The New York Times Bestselling story about Victoria Jones, her passion for flowers, and how her use of flowers helped her to communicate with others and helped her come into her own.

Monday, April 3

6:30 to 8 p.m.

\$21 members; \$25 nonmembers

PlantLab

Melissa Poth

"Red-Tails in Love: A Wildlife Drama in Central Park" by Marie Winn (MBG) NEW

The hilarious and occasionally heartbreaking saga of Pale Male and his mate as they struggle to raise a family in their unprecedented nest site, and the affectionate portrait of the humans who fall under their spell.

Monday, May 22

6:30 to 8 p.m.

\$21 members; \$25 nonmembers

PlantLab

Melissa Poth

"Lab Girl" by Hope Jahren (MBG) NEW

A debut memoir of a woman in science, a friendship, and a look at plants that could change how you see the natural world.

Monday, August 28

6:30 to 8 p.m.

\$21 members; \$25 nonmembers

PlantLab

Melissa Poth

Urban Foraging (MBG) NEW

Did you know that many of the weeds you see in sidewalk cracks and empty lots are species that humans have been eating or using in one way or another for thousands of years? Join paleoethnobotanist Dr. Catrina Adams to learn some fascinating facts about the tough plants that thrive in urban environments, their uses, and some safety concerns to keep in mind when foraging plants in cities. Class includes a walk outside looking at urban edibles.

Sunday, June 4

1 to 4 p.m.

\$42 members; \$50 nonmembers

Commerce Bank Education Center, Room 125

Dr. Catrina Adams

Wild Edibles (SNR)

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

Sunday, May 21

9 a.m. to noon

\$24 members; \$30 nonmembers

Adlyne Freund Center

Dr. Catrina Adams

Advanced Wild Edibles (SNR)

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

Sunday, May 21

1 to 4 p.m.

\$24 members; \$30 nonmembers

Adlyne Freund Center

Dr. Catrina Adams

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

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

Saturday, June 24

1 to 3 p.m.

\$16 members; \$20 nonmembers

Carriage House

Maxine Stone

The Language of Flowers: Making Tea and Sending Messages (MBG) NEW

Sometimes things that we find difficult to say with words are more easily expressed by sending flowers. Join us for a class led by Jessica Griffard of the William L. Brown Center that will discuss how flowers were used throughout history, especially during the Victorian era, to reveal hidden messages between loved ones, enemies, and friends. Afterwards, we will be making tea mixes that can be taken home and enjoyed.

Saturday, June 17

10 a.m. to noon

\$31 members; \$37 nonmembers

Center for Home Gardening Classroom

Jessica Griffard

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, April 29 or

Saturday, May 20

9 a.m. to noon or

Saturday, June 10 or

Saturday, July 1 or

Saturday, August 5

8:30 to 11:30 a.m.

\$18 members; \$22 nonmembers

Price per class.

Meet at the SNR Visitor's Center

Dr. James Trager

Wildflowers and Karst Topography of Meramec State Park (off-site) NEW

This course will focus on the wildflowers and karst of Meramec State Park. After an introduction we will see wildflowers (including yellow lady-slippers) and visit a dolomite glade, cave entrances, and karst erosion along the Natural Wonders Trail (1.25 miles in length). Come ready for moderate hiking, 1.25 miles, with a couple of spots just off-trail (to see some flowers) so hiking shoes/boots are important, with notebook in hand!

Saturday, May 13

9:30 to noon

\$7 members; \$9 nonmembers

Meramec State Park Visitor's Center

Amphitheater 670 Fisher Cave Dr.,

Sullivan, MO 63080

Master Naturalists

Danny McMurphy and Lillian Collins

OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY

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



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 per session.

at Missouri Botanical Garden

Saturday, April 8 or Sunday, April 9 or

Saturday, May 13 or Sunday, May 14 or

Saturday, June 10 or Sunday, June 11;

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

\$35 members; \$43 nonmembers

Meet at climb site; see map with confirmation

Jon Richard and Vertical Voyages Team

at Shaw Nature Reserve

Saturday, April 29 or Sunday, April 30 or

Saturday, May 20 or Sunday, May 21 or

Saturday, June 17 or Sunday, June 18 or

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



Daffodil Dash 5K Trail Run (SNR)

For families with kids of all ages

Pre-registration required. Join us for the fourth annual family 5K (3.1 miles) trail run at Shaw Nature Reserve! There are literally thousands of daffodils blooming around the Shaw Nature Reserve's Pinetum Lake in late March/early April each year. Many varieties of daffodils have been accumulating around the Pinetum Lake for the biggest part of the 89 years the Nature Reserve has been in existence. Runners will follow the 5K (3.1 miles) course, but they will run only for the pleasure of it. In other words: no clock, but first place will receive a free one-year subscription to *Trail Runner Magazine* courtesy of Big Stone Publishing. This race is perfect for families (extremely bumpy for strollers), first-time trail runners, or seasoned trail runners who want a spectacular view. Expect to run on uneven surfaces. There will be two potential creek crossings depending on the weather. Trails will be marked, and we will have volunteers at the halfway (1.5 mile) water stop if you need help. All participants will receive a wicking material shirt at check-in. Proceeds from the event benefit Shaw Nature Reserve.

Saturday, April 8

9 to 10 a.m.

\$20 members; \$24 nonmembers

Price per person

Follow the signs from the entrance

Rachel Weller

Creek Stomp for Adults (SNR) NEW

Grab your creek shoes and come explore Brush Creek with us! Usually this program is offered for families, but now adults can enjoy it too! We will wade around while netting to catch and see what kinds of critters live in the creek. We'll identify all that we catch and perhaps you'll learn a new species! Prepare to walk .75 of a mile (round trip).

Friday, July 28

10 a.m. to noon

\$7 members; \$9 nonmembers

Bascom House

Master Naturalists

**Fly Fishing for Beginners (SNR)**

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

Sunday, April 23

1 to 5 p.m.

\$24 members; \$30 nonmembers

Carriage House

Ozark Fly Fishers

Full Moon Night Hike for Adults (SNR)

Join us for this 2-hour stroll through evening and into the early night. The sun will begin to set as the hike starts, but our night vision will allow us to enjoy the sights, sounds, and smells of a spring 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, a hike in the moonlight makes the journey to the Nature Reserve worth the time spent. This hike will cover roughly 2 miles over uneven ground.

Wednesday, May 10

8 to 10 p.m.

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Rachel Weller

Quickstart Kayaking (SNR)

For ages 16 and up. Paddling is good for the mind and the body! This 2-hour course will get you started on a lifetime of paddling enjoyment. Topics will include entering and exiting the kayak, basic paddling strokes, basic steering techniques, and safety.

Enjoy the landscape of our historic Pinetum Lake as you learn or practice paddling.

In partnership with the Alpine Shop. Register at <https://alpineshop.webconnex.com/quickstartkayakshaw2017> or call 314-962-7715

Saturday, May 20 or

Saturday, July 22

11:30 a.m. to 1:30 p.m. or

2:30 to 4:30 p.m.

\$45 members; \$45 nonmembers

Follow the signs from the Shaw

Nature Reserve entrance

The Alpine Shop

Shaw Bloom 10k/20k (SNR)

For ages 16 and up. Shaw Nature Reserve and the Alpine Shop are teaming up to present the third annual run in the natural beauty of the Nature Reserve! These timed races offer a course suitable for all skill levels. Refreshments and beverages following the race. Register at www.roadracingleague.org or call 314-962-7715.

Saturday, March 25

8 to 10 a.m.

Prices vary so please check the

Alpine Shop website.

Follow the signs from the Shaw

Nature Reserve entrance

The Alpine Shop and Shaw Nature Reserve Staff

Stand-Up Paddleboarding (SNR)

For ages 16 and up. Get in on the action in the hottest trend in the paddle sports: paddleboarding. These stand-on boards are versatile, fun, and exciting. This class will show you the different boards that are available, how to get on and off the board safely, and various paddle strokes used in propulsion and steering, all while enjoying the beauty of Pinetum Lake. Register at <https://alpineshop.webconnex.com/shawsup2017> or call 314-962-7715

Saturday, July 15 or

Saturday, August 12

11:30 to 1:30 p.m.

\$45 members; \$45 nonmembers

Follow the signs from the Shaw

Nature Reserve entrance

The Alpine Shop

Trail Social Run (SNR)

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

14 Thursdays

**in March, April, and May
8 to 9 a.m.**

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

Hiking with Rover (SNR)

For families with kids of all ages
Take your favorite canine companion for a nice 2-hour hike led by Shaw Nature Reserve staff. 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.

Sunday, June 4

4:30 to 6:30 p.m.

\$10 members; \$12 nonmembers

Price per person

Adlyne Freund Center

Karen Bryan

Mini Hiking with Rover (SNR)

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 two hours, then this class is for you. Bring your favorite canine companion for a nice 1-hour hike led by Shaw Nature Reserve staff. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed.

Sunday, May 21

5 to 6 p.m.

\$7 members; \$9 nonmembers

Price per person

Adlyne Freund Center

Karen Bryan

Nature Navigators (SNR)

For ages 6 to 12. Learn about nature with your family as we have fun outdoors discovering what's around us as you master a skill. Price per person except where noted.*

Kid's First Time Fishing

Fishing is not normally allowed at the Nature Reserve, but we're teaming up with the Missouri Department of Conservation to provide a special fishing experiences for both first-time or young anglers. Kids can catch and release or watch fish-filleting demonstrations and eat their fried fish or take it home. *Price per child. One adult per child.

Saturday, June 3

9 to 11:30 a.m.

\$12 members; \$14 nonmembers

Follow the signs from the entrance

Shaw Nature Reserve Staff and Missouri

Department of Conservation

Full Moon Night Hike for Families

This 2-hour stroll through evening and into the early night. The sun will set soon after the hike starts, but the full moon should provide all the light needed to enjoy the summer evening. We'll play a series of sensory-based games and learn a bit about the various ecosystems.

Friday, June 9

7 to 9 p.m.

\$7 members; \$9 nonmembers

Meet at the SNR Visitor's Center

Rachel Weller

Geocaching

Learn navigation basics, how to use a GPS, what geocaching is, and practice finding a cache before going out on the trail to find the eight hidden caches. Price per class.

Thursday, July 13 or

Friday, July 21 or

Tuesday, July 25

9:30 to 11:30 a.m.

\$7 members; \$9 nonmembers

Follow the signs from the entrance

Rachel Weller

River Trail Adventure

We'll ride the Wilderness Wagon to the Trail House! Learn about animals that are active during dusk as we hike down about 1.5 miles to the Meramec River gravel bar to explore and enjoy a campfire treat.

Friday, July 14

6:30 to 9 p.m.

\$12 members; \$14 nonmembers

Meet at the SNR Visitor's Center

Lydia Toth and Rachel Weller

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: Spring (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. As flowers begin to brighten the Garden, participants will learn about a specific plant part (seeds, flowers, leaves, or roots) during each class.

10 to 11:30 a.m.

\$105 members; \$126 nonmembers

Price per child. One adult per child.

Botanical Room

Kelly Wehrheim

Monday Series

7 Mondays

April 10, 17, 24; May 1, 8, 15, 22

Tuesday Series

7 Tuesdays

April 11, 18, 25; May 2, 9, 16, 23

Wednesday Series

7 Wednesdays

April 12, 19, 26; May 3, 10, 17, 24

Little Sprouts: Summer (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 4-week series.

This summer we will explore a new Garden habitat each week.

10 to 11:30 a.m.

\$60 members; \$72 nonmembers

Price per child. One adult per child.

Botanical Room/Garden Grounds

Kelly Wehrheim

Monday Series

4 Mondays

June 5, 12, 19, 26

Tuesday Series

4 Tuesdays

June 6, 13, 20, 27

Wednesday Series

4 Wednesdays

June 7, 14, 21, 28

Little Bugs: Spring (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 outdoor classroom. In bad weather, we will meet under a heated pavilion. Little Bugs learn colors, numbers, and other school-ready skills, as well as gain social experience with other children their age.

6 Wednesdays

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

10 to 11 a.m.

\$96 members; \$114 nonmembers

Price per child. One adult per child.

Meet at the BH ticket counter

Chris Hartley



Little Nature Explorers (SNR)

For ages 3 to 4. 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 will be held outdoors (weather permitting). Register by March 3, 2017, 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

Price per child per class. One adult per child.

Carriage House

Karen Bryan

All About Seeds

Tuesday, March 28

Creek Stomp

Tuesday, May 23

Let's Explore

Tuesday, April 25

Nature's Babies

Tuesday, May 02

Weather

Tuesday, March 21

Wiggle Worms

Tuesday, April 18

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. Class will be canceled if it rains; no rainy day make-up.

Mondays

April 17, 24; May 1, 15, 22

9:30 to 11:30 a.m.

Free for members; Included with admission for nonmembers

Meet at the SNR Visitor's Center

Karen Bryan

Garden Buds: Spring (MBG)

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by March 3, 2017, for three or more Spring Garden Buds classes, and your child will receive a t-shirt!

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

Sundays: 1 to 2:30 p.m.

\$16 members; \$19 nonmembers

Price per child per class. One adult per child.

Botanical Room/Garden Grounds

Kelly Wehrheim/Sharon Lloyd

Climbers and Creepers

Do plants move? They have roots, but they grow up, down, and all around to find the sunlight they need. Take home a creeping, crawly, climbing plant of your own.

Sunday, March 5 or Thursday, March 9

Cherry Blossom Time

When the brave cherry blooms, spring has surely sprung! Celebrate in Japanese style by making a Sakura (cherry blossom) picture.

Sunday, March 19 or Thursday, March 23

Budding Buddies

A bud is a blanket around a baby flower or leaf. Let's find these fuzzy friends on our way to the Chinese Garden. We'll look for other signs of spring, and you'll get a flower bud to brighten your room!

Sunday, March 26*

***Beaumont Room/Garden Grounds
or Thursday, March 30**

Swinging Through the Rainforest

Who might be hanging from a banana plant? Discover which plants and animals live in the layers of the rainforest. Take home a rainforest plant to start your own jungle.

Thursday, April 6 or Sunday, April 9

Bloomin' Bulbs

Tulips, daffodils, crocus, and hyacinths!

Join us as we learn the names of these Spring treasures and how they grow. You'll take home a bloomin' bulb of your own.

Sunday, April 20 or Sunday, May 7

A Tasty Garden

Do you ever eat plants? We sure do! Join us as we see what makes different gardens so delicious. We'll have a healthy snack from the garden, and even plant our very own tasty garden to take home!

Thursday, May 18 or Sunday, May 21

Garden Buds: Summer Saturdays

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by May 12, 2017, for three or more Garden Buds Summer Saturday classes, and your child will receive a t-shirt!

\$16 members; \$19 nonmembers

Price per child per class. One adult per child.

Botanical Room

Garden Grounds

Sharon Lloyd

Search for Secrets...

...hiding in the vegetable garden. Join us as we explore and see what's lurking around and the important role they play in this garden. Plant a yummy vegetable to take home.

Saturday, June 10

10 to 11:30 a.m.

A Rainbow of Paint

We will dabble with brushes and watercolor paints as we sit in the Garden.

Saturday, June 17

10 to 11:30 a.m.

Sounds, Sights, and Other Sensations

Join us as we use our senses to explore the Sensory Garden. We'll make a sensory-inspired art project as well as pot a plant to take home.

Saturday, June 24

10 to 11:30 a.m.

Old Man in the Sand

Have you ever seen an "old man," a prickly pear, or a "panda" growing in the Garden?

Learn about the fascinating world of cacti and succulents. Plant a fun cactus to take home.

Saturday, July 15

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

A Gnome Home/Fairy Garden

Back by popular demand! After a visit to the English Woodland Garden, we will each create our own tiny container garden to take home. Let your imagination soar as you design your tiny treasure.

Saturday, July 22

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

Art in the Garden

Sculptures add such beauty to the garden. Join us as we explore a few of the sculptures here at the garden as well as the Craig Mitchell Smith glass exhibit. You will create a sculpture of your own to take home.

Saturday, July 29

10 to 11:30 a.m. or 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. 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

Price per child

Meet at the Doris I. Schnuck

Children's Garden ticket fort

Kelly Wehrheim

Early Bloomers

We'll search for the first signs of spring as much of the Garden starts to wake up.

Saturday, March 18

Woodland Wonderland

Celebrate Arbor Day and Earth Day by investigating the English Woodland Garden. We'll search high and low for leaves of all shapes and colors.

Saturday, April 15

Missouri Native Shade Garden

Learn about the plants of the Missouri woodlands and how to protect the remaining native ecosystem.

Saturday, May 20

Interesting Insects

What insects call the Garden their home? We'll search the Garden for insects and spiders that make their home in the Garden.

Saturday, June 17

Exploring the Chinese Garden

Tucked away from view, the Chinese Garden may be easy to pass by, but this special garden is well worth the stop.

Saturday, July 15

Dazzling Dragonflies

Join us as we search the pond and the Central Axis pools for these amazing insects.

Saturday, August 19



Camp EarthWays:

Young Green Builders (MBG)

Recommended for campers grades 5 to 8. Calling all cool planet kids! Come explore the built environment with the Garden's sustainability team—the EarthWays Center. In this week-long day camp, campers will investigate sustainable building design, principles, and concepts as they create their fantasy green home from the inside out. Campers will get to interact with architects and other green building experts from the St. Louis region, hop aboard public transportation to discover new St. Louis sites, and make their dreams come to life! Many thanks to the St. Louis-Jefferson Solid Waste Management District for making this program available at a lower costs to our participants. Recommended for campers grades 5 to 8. Register early—spots are limited!

Monday–Friday

July 10–14

9 a.m. to 4 p.m.

\$170 members; \$185 nonmembers

PlantLab

Earthways Center Staff

FAMILY PROGRAMMING

Shaw Family Adventures (SNR)

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

9:30 to 11:30 a.m.

\$7 members; \$9 nonmembers

Price per class, per child. One adult per child.

Check in at the SNR Visitor's Center

Shaw Nature Reserve Staff

Fledgling Fun

We will peek in a bluebird nest box to see if chicks have hatched, learn about birds and how to use binoculars to take on our hike, hear a story, make a craft, and play games.

Friday, March 24

Hooray for Arbor Day

Celebrate Arbor Day at Shaw Nature Reserve! We'll read a story, hike to find different types of trees, make a craft, have a treat from a tree, and play games.

Friday, April 28

Fish Friends

Hear a story about who lives in a pond, take a hike to our fishing hole to try your hand at fishing (all materials provided, and we will practice catch and release fishing), and make a craft to take home.

Friday, May 12

Creek Stomp

Grab your creek shoes and come explore Brush Creek with us! We will see what kinds of critters live in the creek. Prepare to walk .75 of a mile (round trip).

Tuesday, June 13 or

Tuesday, June 20 or

Thursday, June 22

Letterboxing

Combining hiking, treasure hunting, and creative expression into an activity that the whole family can enjoy. Please bring your own notebook and a rubber stamp (1 per family or 1 per child).

Wednesday, June 14

My Buddy

Bring your favorite stuffed animal and camera for a morning of exploring. We'll stop and take photos of our stuffed animals as we visit fun places around the Nature Reserve.

Thursday, June 15

Fairy Houses

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

Friday, June 16

Flashlight Night Hike

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

Wednesday, June 28

Wednesday, July 19

6:30 to 8:30 p.m.

Wilderness Wagon Ride

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

Wednesday, July 12

Wednesday, July 26

Friday, July 28

Cool in Summer

Learn how plants and animals stay cool in the summer heat. We'll read a story, hike to visit our water features in the garden, make a craft with succulents, have a cool treat, and play games.

Friday, August 11

Wednesday, August 30

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 ext.10.

8 a.m. to noon

\$100 members; \$120 nonmembers

Price per child.

Meet at the BH ticket counter

Chris Hartley and Tad Yankoski



Discover Nature Families (SNR)

For families with kids of all ages. Missouri Master Naturalist volunteers will teach your family through hands-on, interactive activities. Stop by for a few minutes or an hour.

10 a.m. to noon

Free for members; Included with admission for nonmembers

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

Wildflowers

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

Saturday, April 08

Treemendous Trees

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

Saturday, April 29

Wild About Water

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

Saturday, June 03

Missouri Mammals

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

Saturday, June 10

Grown-up and Me Painting (BH) **NEW**

For families with kids ages 6 and up. Introducing basic butterfly conservation and biology to children. Starting with a brief butterfly-themed story and a hands-on biofact lesson followed by a painting activity. Kids can take home their painting and their new butterfly knowledge. Children must be accompanied by an adult.

Wednesday, March 8

10:30 to 11:30 a.m.

\$7 members; \$9 nonmembers

Price per child. One adult per child.

Lopata Learning Lab

Jennifer Mullix

Spring Peeper Musical (SNR)

For families with kids of all ages. Shaw Nature Reserve's wetland attracts thousands of frogs during the mating season. The thunderous chorus must be heard to be believed. We'll take a wagon ride to the wetland where we will take a short hike, learn the different calls, see all the different amphibians, and listen to the deafening sound.

Monday, March 13 or

Tuesday, March 14

7:30 to 9:30 p.m.

\$7 members; \$9 nonmembers

Price per person, Ages 2 and under are free

Meet at the SNR Visitor's Center

Shaw Nature Reserve Staff

Lightning Bug Night Hike (SNR)

For families with kids ages 3 to 12. Take the Wilderness Wagon for a trip to the tallgrass prairie. From there we'll hike up to the prairie observation platform to view the lightning bug display. Seeing their numerous lights dancing around the wetlands below is a rare treat. We'll enjoy a beverage and learn about these magnificent creatures.

Friday, August 04

8 to 9:30 p.m.

\$7 members; \$9 nonmembers

Price per person, Ages 2 and under are free

Meet at the SNR Visitor's Center

Shaw Nature Reserve Staff

Great Green Games (MBG) **NEW**

For families with kids 8 and up. Join the EarthWays fun as we explore the world of "green" games. This family-friendly class will showcase games that are more than just your average board game. These games feature fun, diverse game play while diving into green, environmentally friendly themes. You'll learn about the variety of games and gaming options out there before getting a chance to dive in and play some of the games we've discovered.

Sunday, August 6

noon to 2 p.m.

\$20 members; \$25 nonmembers

Price per family; up to 3 players

PlantLab

Earthways Center Staff

SPECIAL EVENTS

BUTTERFLY HOUSE

Morpho Mardi Gras

Butterflies, bugs and beads

Morpho Mardi Gras: Bugs, Butterflies & Beads (BH) **NEW**

For families with kids of all ages

Escape the cold by visiting Morpho Mardi Gras: Bugs, Butterflies and Beads! Bring your krewe to the carnival. 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. With the sounds of jazz in the air, inaugurate the season with these and other majestic creatures. This year, we will be featuring a larger-than-life glass Blue Morpho sculpture by Craig Mitchell Smith.

February–March

Tuesday–Sunday

10 a.m. to 3 p.m.

Free for members; Included with admission for nonmembers

Bookworm Breakfast with the Very Hungry Caterpillar (BH)

For families with kids of all ages

You won't leave hungry after dining on a delicious breakfast with everyone's favorite caterpillar. Guests will hear a reading of Eric Carle's classic tale, meet live butterflies, and explore interactive bug stations. This special day will be captured with a complimentary photo with the day's special guest. Price per person. Ages 12 months and under are free.

Saturday, April 22 or

Sunday, April 23

9 to 10:30 a.m.

\$15 members; \$20 nonmembers

Bookworm Breakfast with Curious George (BH) **NEW**

For families with kids of all ages. The morning will be filled with activities, a story reading, yummy breakfast, and photos with the guest of honor. The day wouldn't be complete without visiting the butterflies in the Tropical Conservatory. Ages 12 months and under are free.

Friday, July 07

9 to 10:30 a.m.

Saturday, July 08

\$15 members; \$20 nonmembers

Spring Fling

Spring Fling

Spring Fling is a celebration of budding trees, sprouting flowers, and the arrival of pollinators to our gardens! Join us in April and May at the Butterfly House as we host a variety of activities that will cure your case of Spring Fever!

April–May

Tuesday–Sunday

10 a.m. to 3 p.m.

Free for members; Included with admission for nonmembers

Pollinator Plant Sale (BH) **NEW**

Did you know that every third bite of food is provided by pollinators? Let the horticulture experts at the Butterfly House help you plan your pollinator garden! All plant sale proceeds benefit Project Pollinator, a community gardening initiative.

Saturdays and Sundays in April

10 a.m. to 3 p.m.

Free for members; Included with admission for nonmembers

Ages 2 and under are free.

Fancy Tea with Mommy and Me (BH)

For families with kids of all ages

We are feeling fancy at the Butterfly House! We are feeling fancy at the Butterfly House! Grab your favorite gal and join us for a tea party. We'll be eating tasty treats and sipping delightful drinks. No party would be complete without some fabulous take-home favors. Learn about our beautiful and fancy butterflies at the "can't miss" party.

Sunday, May 7

10 to 11:30 a.m. or 2 to 3:30 p.m.

\$15 members; \$20 nonmembers

Price per person. Ages 12 months and under are free

SUMMER BUGGIN'



Summer Buggin'

We are "buggin out" at the Butterfly House this summer! Join us as we host a variety of events that celebrate these amazing creatures both during the day and in the evening. Get the wiggles out and the ants out of your pants during Summer Buggin'!

June–July

Tuesday–Sunday

10 a.m. to 3 p.m.

Free for members; Included with admission for nonmembers

Family Sundays: Monarch Journey (BH) **NEW**

For families with kids of all ages

Take a journey with the beloved monarch butterfly! Join us each Sunday in August to discover the answers to all of your monarch questions. Learn about their migration, what their colors mean, and even how to safely track a single monarch's journey south.

Through hands-on activities, families will leave ready to take their own journey with the monarchs!

Sundays in August

10 a.m. to 3 p.m.

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

Family Sundays: Water Bugs (BH) **NEW**

For families with kids of all ages

Quench your family's thirst for knowledge when you visit the Butterfly House in July!

Each Sunday, we will be splishing and splashing as we learn about water bugs. Through interactive water play stations, kids of all ages will keep cool while learning about these magnificent creatures.

Sundays in July

10 a.m. to 3 p.m.

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

Firefly Festival (Family Nights) (BH)

For families with kids of all ages

Our popular celebration of Earth's living lanterns returns! Join us for firefly crafts and games, visit the butterflies in the Tropical Conservatory, and learn all about these "bright" beetles. Wrap up the evening by joining our entomology staff on an outdoor journey to see real fireflies (weather permitting). Please bring one flashlight per person.

Wednesday, June 14 or

Wednesday, June 21

8 to 9:30 p.m.

\$12 members; \$14 nonmembers

Price per person, Ages 2 and under are free

HAPPY HOUR EVENTS

Friday Night Flights (BH) **NEW**

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! See a larger-than-life, handcrafted glass Blue Morpho Butterfly, created by artist Craig Mitchell Smith. Dine on appetizers and experience new wines, unique beers, or other libations in the midst of live jazz music. Guests will even get to take home a souvenir tasting glass. Adults 21 and up.

Friday, February 3 or

Friday, March 3

5:30 to 7:30 p.m.

\$25 members; \$35 nonmembers;

\$15 Designated Drivers

Price per person

Fireflies After Dark (BH) **NEW**

Experience an evening out like no other! At Fireflies After Dark, you will enjoy delicious appetizers, taste a variety of libations, and go on moonlit strolls to see real fireflies. Bring your friends and learn about what makes these little insects twinkle. Please bring one flashlight per person. Adults 21 and up.

Wednesday, July 28

7:30 to 9:30 p.m.

\$25 members; \$35 nonmembers;

\$15 Designated Drivers

Price per person

EARTHWAYS CENTER

**2017 Green Homes Festival (MBG)**

Join us at our annual Green Homes Festival and help your family learn green to live green! Celebrate sustainable living and get expert tips on energy efficiency, NatureScaping and native gardens, renewable energy systems, and more! Bring your home improvement ideas and talk with 40+ green product and service exhibitors. For kids: a recycled art project, games, solar cars, and solar oven s'mores. Specialists from all areas of sustainability will gather together to share their ideas and resources. Enjoy great presentations and demos about the many ways that plants, air, water, soil, and energy sustain our homes and the planet. Savor local foods and beverages at this local, fun, family-friendly event.

Saturday, June 3

9 a.m. to 4 p.m.

Free for members; Included with admission for nonmembers

Free for STL City/County residents before noon.

SHAW NATURE RESERVE

**Shaw Wildflower Market (SNR)**

Choose from the widest selection of native plants available in the metro St. Louis area. Browse hundreds of varieties of annual and perennial wildflowers, ferns, trees, and shrubs to use in home landscaping and to attract wildlife, along with both showy and hardy plants for sun or shade. Beer, wine, cheese, meats, and more will also be available for purchase. Friday is members-only night.

Friday, May 12 | Members Only Night
4 to 7:30 p.m.

Saturday, May 13 | Open to public
9 a.m. to 4 p.m.

Free for members; Included with admission for nonmembers

Price per person

Follow the signs from the entrance

CONNECTING SCOUTS TO NATURE

Programs and Workshops



Explore the world of insects, become a naturalist, or get your hands dirty planting a seed!

Scouts enjoy a variety of hands-on, nature and STEM-based programming at all three of our sites: the Missouri Botanical Garden, Shaw Nature Reserve, and the Butterfly House.

Programs are aligned with badge and award requirements.

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

Find the perfect fit for your group at www.mobot.org/scouts



MISSOURI BOTANICAL GARDEN

4344 Shaw Blvd. St. Louis, MO 63110 • (314) 577-5100 • www.mobot.org

CLASS INFORMATION/POLICIES

PLEASE BE SURE TO CHECK THE LOCATION OF YOUR CLASSES.

Location of Classes:

Site maps are available at www.mobot.org/classes. 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 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.

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 available! Call Carol at (314) 577-9506

Registration Form

Name: _____ Gender*: _____

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

Address: _____ City/State/Zip: _____

Home Phone: _____ Work Phone: _____

Email: _____

* Gender information needed only for overnight programs.

Course Name	Attendee	Location	Date	Fee
-------------	----------	----------	------	-----

PAYMENT OPTIONS (please check one):

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

Missouri Botanical Garden Member ID: _____

Payment Method: ☐ Check ☐ Visa ☐ MasterCard ☐ Discover

Card #: _____

Exp: ____ 3-Digit Verification Code: ____

Signature: _____

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

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

CLASSES ARE

ALSO OFFERED AT:

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

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

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



Registration Starts **February 1.**

Sign up online at
mobot.org/classes



MISSOURI BOTANICAL GARDEN
4344 Shaw Boulevard • St. Louis, MO 63110

NONPROFIT ORG
U.S. POSTAGE PAID
ST. LOUIS, MO
PERMIT NO. 1325