



Pear
Pyrus species

Learn + Discover

classes for adults,
youth + family



Yellow Siberian Iris
Iris sibirica



Honey Bee
Apis mellifera



MISSOURI
BOTANICAL
GARDEN



SHAW
NATURE
RESERVE



Butterfly
House

Spring/Summer 2018
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!

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

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

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

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Weekend Festival • April 7–8 • 10 a.m. to 4 p.m.
Missouri Botanical Garden • Shaw Nature Reserve • Butterfly House

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

The weekend will invite visitors of all ages, backgrounds, and abilities 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 local conservation organizations, parks, and reserves
- Native plant gardening and landscaping design ideas and inspirations. Native plants available for purchase
- In 2018, pledge to spend more time exploring and stewarding St. Louis' great outdoors!



Learn more at mobot.org/meetmeoutdoors

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



Sophia M. Sachs

Butterfly House

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

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Learn more at butterflyhouse.org



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.

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Learn more at mobot.org/ewc

ADULT CLASSES

SPECIAL EVENT

Visit the Missouri Botanical Garden in 2018 for Flora Borealis, a nighttime multimedia experience! By day, a botanical garden is a place of beauty, relaxation, education, and family enjoyment. Learn more on page 50!

Behind the Design: Flora Borealis (MBG) **NEW**

Join us for an exciting behind the design presentation with Christie 360 about Flora Borealis. Learn how they applied their experience from past projects, see sketches from versions of the exhibit, and hear the story of how it came to fruition fulfilling the mission of the Garden.
Tuesday, June 26
11 a.m. to noon
\$5 members; \$6 nonmembers
Shoenberg Theater
Christie 360 Design Team

Photographing Flora Borealis (MBG) **NEW**

Intermediate. Influenced by the Garden's global reach, Flora Borealis celebrates the colors of the world with brilliantly lighted larger-than-life projections and interactive experiences. With tips and tricks from your professional photography instructor, you will take wonderful photos of the Garden filled with magic. The use of a tripod is highly recommended.
Monday, July 16
or **Monday, July 23**
8 to 10 p.m.
\$35 members; \$42 nonmembers
Garden Room and Garden grounds
Scott Avetta

DIY CRAFTS

Creative Flower Arrangements for the Home: Gift It Forward (MBG)

Creating arrangements from your own yard can be a relaxing and rewarding experience. Join us for one or all three classes in this series. During each class we will learn about the season's best plants for cut arrangements that you can grow in your own yard, 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. Includes a 30-minute walk. Price per class.
\$42 members; \$48 nonmembers
Sharon Lloyd

Sweet Spring Bouquet

Saturday, March 24
10 a.m. to noon
PlantLab

Sensational Summer Bouquet

Thursday, July 12
5 to 7 p.m.
Missouri Room

Late Summer Harvest

Tuesday, August 7
5 to 7 p.m.
Botanical Room

Botanical Card Making and Its History (MBG)

Plant presses are and have been invaluable to Garden researchers and horticulture staff to preserve and catalog plants from around the world. Brittany North will demonstrate how to make a voucher using plant materials with a variety of techniques. Then she will explain how to make your own press using materials found around your home. Use pressed flowers and leaves to make your own cards and receive a mini press ornament to take home.
Saturday, March 10
9 to 11 a.m.
\$33 members; \$39 nonmembers
PlantLab
Brittany North

Fragrant Gifts for Mother's Day (MBG)

Don't you love it when you receive a unique, handmade gift? Learn to make one-of-a-kind gifts using aromatherapy oils. You will learn the basics of safely mixing fragrances for room/ pillow sprays, scrubs, lotions, and bath salts, and how to present them in a cute way. We will utilize oils that are appropriate for summer and make a scrub, lotion, and a spray.
Tuesday, May 1
or **Wednesday, May 2**
7 to 9 p.m.
\$38 members; \$44 nonmembers
Center for Home Gardening Classroom
Debra Jenkins

A Spa Evening (MBG)

Would you love to treat yourself to a spa evening? Learn the basics of aromatherapy safety and blending of fragrances to create products you can use to give yourself a spa evening. You will leave with three products to bring relaxation into your home: lotion, sugar scrub, and room or pillow spray. Join us for an evening of relaxation.
Monday, June 18
or **Tuesday, June 19**
7 to 9 p.m.
\$38 members; \$44 nonmembers
PlantLab
Debra Jenkins

DIY 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 10
or **Saturday, August 25**
1 to 4 p.m.
\$44 members; \$53 nonmembers
Commerce Bank Center for Science
Education, Room 125
Perennial

Paint and Sip: An Evening of Wine and Painting

You and your friends are formally invited to enjoy an evening of relaxation 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 learn how to expertly paint a colorful work of art on canvas! All painting supplies and wine will be provided.
\$45 members; \$54 nonmembers
Baile Fischer

at Shaw Nature Reserve

Wednesday, May 2

Carriage House

or

at the Butterfly House

Wednesday, June 13

Meet at the BH ticket counter

DIY Herb Drying Rack (MBG)

The bounty of herbs can be enjoyed long after they have been picked with the help of some craftsmanship and upcycling. Dried herbs make beautiful teas and add flavor to your culinary dishes. Jenny Murphy, Director of Perennial, will discuss the proper method for drying herbs. Afterward, the class will build their own herb drying rack from reclaimed materials. Participants will learn basic hand tool knowledge.
Saturday, May 5
1 to 3 p.m.
\$40 members; \$48 nonmembers
Commerce Bank Center for Science
Education, Room 125
Perennial

Soldered Botanical Jewelry (MBG) **NEW**

Create an upcycled pendant from scraps of glass and pressed botanicals! Participants will learn to use recycled glass, copper flux, and lead-free solder to sculpt their custom jewelry pendant. Perennial staff 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 and how to preserve plants through pressing. Participants will also learn how to make a custom-sized jump ring and the right places to look for upcycled treasures for all their upcycled jewelry projects! Feel free to bring in broken glass pieces and pressed plants to use in your jewelry. 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.
Friday, May 11
6 to 9 p.m.
\$50 members; \$60 nonmembers
Commerce Bank Center for Science
Education, Room 126
Perennial

DIY Crafts continued...

Soldered Ceramic Pendants (MBG) *NEW*

Create an upcycled stained glass pendant from scraps of ceramic and glass! Participants will learn to use recycled glass, copper foil, flux, and lead-free solder to sculpt their own custom jewelry pendant. Perennial staff 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.

Friday, August 3

6 to 9 p.m.

\$50 members; \$60 nonmembers

Commerce Bank Center for Science

Education, Room 129

Perennial

Wine Bottle Reuse (MBG)

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

Saturday, June 23

or Saturday, August 18

noon to 3 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for Science

Education, Room 125

Perennial

Green Kitchen Creations (MBG) *NEW*

Create a more sustainable kitchen environment with upcycled creations! Perennial staff will guide you through several ways to reduce waste and be environmentally conscious in your kitchen. Participants will learn how to make reusable food wrap using salvaged fabric and natural beeswax, how to create a reusable grease container to keep your drain pipes clear, and how to use discarded leather to make upcycled napkin rings.

Wednesday, August 15

6 to 8 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 125

Perennial

Eco Printing with Native Plants (SNR)

Create a unique silk scarf, cotton baby onesie, or silk necktie by steaming natural materials such as leaves and flower petals to transfer their shape and color onto fabric. Learn what supplies work best, how to prepare the fabric, and take a short hike to learn what native plants work best while fabric is steamed. You will choose one item to create, there will be design options, and you will be able to take your item home that day.

Friday, August 10

10 a.m. to noon

\$20 members; \$24 nonmembers

Carriage House

Rachel Weller

Terrarium: Greening Your Cube (MBG)

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 15

6 to 7:30 p.m.

\$48 members; \$58 nonmembers

Missouri Room

Sharon Lloyd

**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. Feel free to bring your own adornments.

Tuesday, July 10

5 to 7 p.m.

\$55 members; \$69 nonmembers

Missouri Room

Sharon Lloyd

Sensational Summer Wreath (MBG) *NEW*

Join us for this fun and creative class as we take a walk to learn about the best summer plants for dried wreath making. You will create your own beautiful 10" wreath to take home using a combination of fresh and dried plant materials. Feel free to bring gloves and additional elements for your wreath.

Tuesday, July 24

5 to 7 p.m.

\$55 members; \$69 nonmembers

Missouri Room

Sharon Lloyd

Solar-Lit Garden Globe (MBG) *NEW*

Add a little glass sculpture to your garden. You will create an 8" garden globe and learn tricks on covering your globe with glass stones and silicone. You will be given all materials to finish your creation at home. Hand strength needed to complete the project.

Thursday, May 17

5:30 to 8 p.m.

\$53 members; \$60 nonmembers

Beaumont Room

Sharon Lloyd

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 14

9 to 3 p.m.

\$45 members; \$54 nonmembers

Carriage House

Linda Brown

Basket Making 101:**Bread Stick Basket (MBG)**

Perfect for spring baking and family gatherings, this beginner basket is sure to please. It incorporates an open weave bottom and several different sizes of reed with a seagrass accent. All weaving materials supplied. Some hand strength needed. A tool list of household materials needed will be included with registration.

Saturday, March 10

9:30 to 3:30 p.m.

\$50 members; \$60 nonmembers

Botanical Room

Stephanie Arnold

Basket Making 101: Wine Basket (MBG)

This beginner basket is a perfect way to store your favorite bottles of wine or save a bag at the grocery store. Basket features a filled bottom with a center lash divider and incorporates several reed sizes and basic weaving techniques. The basket's final dimensions are 9"x5"x8.5" tall (overall height is 14" with handle) with a hand-painted driftwood tie. Hand strength needed. All weaving materials supplied and a tool list of household items will be included with registration.

Saturday, April 14

9:30 to 3:30 p.m.

\$62 members; \$74 nonmembers

Garden Room

Stephanie Arnold

**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 8. Please bring an apron or wear work clothes.

Monday, April 23

7 to 9 p.m.

\$40 members; \$48 nonmembers

Missouri Room

Mary Henderson

**Needle Felting (MBG)**

Needle felting is a simple, dry felting technique that uses roving (unspun wool) and a special needle tool to apply the fiber to a backing to create an appliqué or to create a three-dimensional soft sculpture. The possibilities for creative embellishments and accessories is endless. This summer we will be creating a soft jewelry bowl.

Friday, July 28

9 a.m. to noon

\$44 members; \$58 nonmembers

Missouri Room

Suzanne Hirth

FINE ARTS

**Watercolor Essentials (MBG)**

All levels. The true beauty of watercolor lies in the explosion of color and luminosity every time paint and water meet. In this class the emphasis will be on techniques such as applying glazes, achieving value contrast, and implementing design principles. The goal is to stimulate enthusiasm, confidence, and creativity in each participant. The class is designed to inspire beginners and challenge experienced artists.

8 Fridays

March 2, 9, 16, 23, 30; April 6, 13, 20

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Center for Home Gardening Classroom

Judy Seyfert

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 Mondays

April 2, 9, 16, 23, 30; May 7, 14, 21

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Garden Room and Garden grounds

Mary Dee Schmidt

Watercolor Wisdom (MBG)

All levels. Take time to indulge your creative side and join with other students exploring watercolor. Judy will demonstrate simple ways to apply watercolor that are the foundation for making impressive paintings. She will guide students through group and individual instruction, emphasizing a new skill each week. Students will learn how to design and paint their own paintings in a fun and encouraging environment.

6 Mondays

March 5, 12, 19, 26; April 2, 9

6:30 to 9 p.m.

\$135 members; \$162 nonmembers

Missouri Room

Judy Seyfert

Watercolor: Fresh and Spontaneous Landscapes (MBG) *NEW*

All levels. Wherever you look there is a landscape just waiting to be painted. In this class, Judy will show you how to make expressive and spontaneous landscapes in less than an hour. Students will learn to simplify, edit, and design their own paintings. Topics will include painting land formations, vegetation, water, and atmospheric conditions. Basic watercolor techniques will be covered in the first class.

5 Saturdays

April 14, 28; May 5, 12, 19; no class April 21

9:30 a.m. to noon

\$113 members; \$135 nonmembers

Missouri Room; May 12 Garden Room

Judy Seyfert

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.

6 Wednesdays

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

9:30 a.m. to noon

\$135 members; \$162 nonmembers

Center for Home Gardening Classroom

Jaclyn Lawson

Introduction to Oil Painting (MBG)

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

6 Thursdays

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

9:30 a.m. to noon

\$135 members; \$162 nonmembers

Garden Room

Tito Gay

PHOTOGRAPHY

GARDEN PHOTOGRAPHY

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

All levels. Get rare access to the Orchid Show to take photos with professional assistance.

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

Monday, March 5

5:30 to 8 p.m.

\$52 members; \$62 nonmembers

Meet at the MBG ticket counter

Scott Avetta

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

All levels. Photograph the neutral tone and simple beauty of *Nakajima* (Teahouse Island) and its limitless patterns and shapes. Slow down, relax your 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! Please wear walking shoes. Bring your camera and backup battery.

Tuesday, May 8

9 a.m. to noon

\$52 members; \$62 nonmembers

Meet at the MBG ticket counter

Scott Avetta

Photography: Spring Garden (MBG)

All levels. Throughout this multi-session, hands-on class we will concentrate on the peak areas of the Garden during the spring season. We will increase your understanding of lighting, composition, and exposure compensation and apply them in the field. We will see what a difference a week can make in a subject, and the importance of returning to an area. Participants should have a basic understanding of the camera and its key features.

2 Tuesdays

May 15, 22

Center for Home Gardening Classroom

\$70 members; \$84 nonmembers

Scott Avetta

Sunset Photography (MBG) *NEW*

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 Mondays

June 4, 11

6:30 to 9 p.m.

\$70 members; \$84 nonmembers

Botanical Room

Scott Avetta

Photographing inside the Climatron (MBG) *NEW*

All levels. Join Scott Avetta for a unique opportunity to photograph the vast subjects inside the Climatron. From a wide angle of the geodesic dome to close-ups of the 2,800 plants of a tropical rain forest, he will discuss some of the photographic opportunities, light, and creative compositional tips. Enjoy photographing the many subjects with professional assistance to improve your images. Tripods and flash allowed.

Monday, June 18

6 to 8:30 p.m.

\$35 members; \$42 nonmembers

Meet at the MBG ticket counter

Scott Avetta

Photography continued...

**Photographing Water Lilies (MBG)**

All levels. Get special access to evening light during restricted hours and photograph water lilies. During this field session we will discuss how to get better images using anything from wide angle to a close-up perspective. You will learn tips on subject selection and how light plays a significant role in your photography. Tripods will be allowed.

Monday, August 13

5 to 7 p.m.

\$28 members; \$34 nonmembers

Meet at the MBG ticket counter

Scott Avetta

The Weather and Your Photography (MBG)

All levels. St. Louis is known for its roller coaster of weather. Understanding when to photograph is often as important as what to photograph. Weather and light play significant parts in the quality of our image. From blue skies to rainy days, learn how to use the weather to your photographic advantage and subject selection. Use the forecast to your advantage in St. Louis's amazing climate.

Saturday, August 18

10 a.m. to noon

\$28 members; \$34 nonmembers

Botanical Room

Scott Avetta

WANT MORE LIKE THIS?

See the **Photographing Flora Borealis** class on page 6!

Photography Boot Camp I (MBG)

Beginner/Intermediate. 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.

\$140 members; \$168 nonmembers

Scott Avetta

4 Tuesdays

March 13, 20, 27; April 3

9:30 a.m. to noon

Center for Home Gardening Classroom

or

4 Wednesdays

March 14, 21, 28; April 4

6 to 8:30 p.m.

Missouri Room

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

Beginner/Intermediate. In this multi-session class, learn how composition, light, and lens choice all work together and how to apply them in the field. Scott Avetta will focus on lenses that most photographers already have. Understanding what lens to use based on the light and conditions can be a big step in taking your images to the next level. During our photo shoots in the garden, Scott will spend individual time with each photographer.

\$56 members; \$67 nonmembers

Scott Avetta

2 Tuesdays

March April 17, 24

9:30 a.m. to noon

Center for Home Gardening Classroom

or

2 Wednesdays

April 18, 25

6 to 8:30 p.m.

Garden Room

BUTTERFLY HOUSE PHOTOGRAPHY**Behind the Scenes:****Morpho Mardi Gras Photography (BH)**

Beginner/Intermediate. This class will offer the special privilege of taking photographs at a time when the Butterfly House is closed to the public. More than 1,000 blue morpho butterflies fill our Conservatory during this event, and their beauty makes them wonderful photography subjects. Get rare access to the Butterfly House to take photos with professional assistance using a tripod. Participants should have a basic understanding of their camera's features.

Monday, March 19

9:30 a.m. to noon

\$40 members; \$50 nonmembers

Meet at the BH ticket counter

Scott Avetta

It's a Small World (BH) NEW

Beginner/Intermediate. In this class we will take a careful look at the butterflies, flowers, and other small wonders that fill our Tropical Conservatory. Though the class does take place inside our Conservatory, there is much more to photograph alongside the butterflies. Over 1,000 butterflies representing dozens of different species fill the air, and blooming tropical plants alongside lush foliage add depth, beauty, and charm to your images.

Tuesday, June 26

6 to 8 p.m.

\$28 members; \$34 nonmembers

Meet at the BH ticket counter

Scott Avetta

Summer Buggin' Photography (BH) NEW

Beginner/Intermediate. The waning days of summer are an ideal time to photograph butterflies, dragonflies, and other beautiful insects. Join us at the Butterfly House as professional photographer Scott Avetta leads you through our outdoor native habitat garden. Scott will share tips and techniques for photographing all the stunning insects that summer has to offer. Our native plants will be very showy and worthy of photos as well. The class will focus on finding subjects and the best way to get a shot of them. Participants should have a basic understanding of their camera's features.

Tuesday, August 7

6 to 8 p.m.

\$28 members; \$34 nonmembers

Meet at the BH ticket counter

Scott Avetta

SHAW PHOTOGRAPHY**Picturing People—
Making Better Portraits (SNR)**

All levels. Is there anything more exciting and difficult than making portraits? Unlike landscapes, people move and talk and don't always cooperate. Making portraits is a creative act at the heart of photography since we all take pictures of the people in our lives. Join professional photographer Robert George as we explore ways of making photographs of people indoors and outdoors under all kinds of lighting.

Saturday, March 17

9 a.m. to 4 p.m.

\$130 members; \$156 nonmembers

Carriage House

Robert George

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. Lunch provided.

Saturday, May 5

6 a.m. to 4 p.m.

\$140 members; \$168 nonmembers

Carriage House

Noppadol Paothong

Photography continued...

Photographing Glades (SNR) *NEW*

Beginner/Intermediate. Access the back road of Shaw Nature Reserve to explore some of the fragile and beautiful glade areas in the early morning light. Scott will provide the small group tips on subject selection, composition, and lighting. He will also provide one-on-one assistance. Opportunities from wide angle landscapes to close-ups of a stunning coneflower and everything in between.

Saturday, June 2
6 to 10 a.m.

\$55 members; \$66 nonmembers

Meet at the SNR Visitor Center
Scott Avetta

Wetland Sunrise Photography (SNR)

All levels. Sunrises over the wetlands at Shaw Nature Reserve can be spectacular. Often shrouded in a light fog, the reflections off the water can be dazzling. Join us for this self-guided special opportunity as we offer early (5:30 a.m.) access allowing time to set up before the sunrise. Enjoy a cup of coffee and light snacks at the Adlyne Freund Center when you check in. From there it is a short walk to the wetlands.

Friday, July 27

5:30 to 8:30 a.m.

\$10 members; \$12 nonmembers

Adlyne Freund Center
Self-guided

Mastering Smartphone Photography (SNR)

All levels. The most popular camera on the planet isn't really a camera, it's a smartphone. The explosive growth of smartphone photography means that almost all of us now have a convenient and easy-to-use camera in our pockets at all times. It has rapidly become a fixture in our daily lives as more and more images are being taken and shared using mobile technology. Add to that the plethora of photo enhancement and photo sharing apps available for the iPhone and Android platforms, and the options for on-the-go photo creativity are almost unlimited. Join local photographer Jeff Hirsch for a 1-day workshop designed to get the best-looking images out of your phone's built-in camera and discover some of the amazing things you can do with your smartphone photos. Lunch is provided.

Saturday, August 4

9 a.m. to 4 p.m.

\$80 members; \$96 nonmembers

Adlyne Freund Center
Jeff Hirsch

Photographing the 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. When the bluebells are at peak bloom, you will be contacted. Expected time frame is end of March to start of April. Pay on arrival and make sure to provide your phone number so we can contact you at peak bloom.

Register by March 26

8 to 11 a.m.

\$20 members; \$24 nonmembers

Meet at the SNR Visitor Center
Scott Avetta

WANT MORE LIKE THIS?

See the *Bluebells Abound* class on page 33!

OFF-SITE PHOTOGRAPHY**Along the Riverfront: Walking Photography Tour (off-site) *NEW***

All levels. All new itinerary! Along the riverfront! Join Richard Reilly on a tour of interesting architectural and historic sites along the St. Louis Riverfront as he helps you to create artistic photographs directed at composition and observation of details in various structures. Richard documents the built environment as part of his work with the Garden's EarthWays Center and also serves as the principal photographer for *All the Art* magazine. He shows his work regularly in St. Louis galleries. Bring any camera you are familiar with.

Saturday, May 12

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

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**International Flatbreads (MBG) *NEW***

Whether you use a starter, fresh yeast, or dry yeast, flatbreads are fun to make and so versatile! They can be eaten as an appetizer or sandwich, or make a whole meal. Italian oregano focaccia from Italy, olive *fougasse* from the South of France, *flammekueche* from Alsace, and pita breads from the Middle East will all be on the menu.

Saturday, March 3

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Caroline Achard

Cooking around the Mediterranean: Greece, Italy, and Spain (MBG) *NEW*

Known as *meze* in Greece, *antipasti* in Italy, and *tapas* in Spain, we will be learn how to prepare regional, small-portion dishes featuring the classic flavors and ingredients from each country. Each dish will have in common a sense of community and sharing.

Monday, March 19

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Marianne Prey

Cooking around the Mediterranean: France, Morocco, and Israel (MBG) *NEW*

Join us as we explore the culinary, cultural, and historical links among these countries while we prepare and enjoy the dishes that are unique, but with common origins. The recipes will feature herb and spice blends that characterize each place.

Monday, April 23

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Marianne Prey

**Knowing, Growing, and Cooking with English Herbs (MBG) *NEW***

Most English herbs will survive in the St. Louis region. But which plants are the most flavorful and the easiest to grow? Join Bruce Chalker and his colleagues in The St. Louis Herb Society as they explore English culinary herbs. Herbal cookery will feature both familiar and lesser-known herbs, from broadleaf English thyme to lemon balm, and more! Herbal treats will be served at the conclusion of this class.

Tuesday, April 24

6 to 8 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
St. Louis Herb Society

French Lunch Menu (MBG) *NEW*

Combine fresh ingredients with a little bit of *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. Paired with a well-seasoned salad and a sweet dessert, they make a perfect meal. We will make shortcrust pastry dough for an onion tart, French vinaigrette, and chocolate fondant paired with vanilla-flavored *crème anglaise*.

Saturday, April 28

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Caroline Achard

Food and Cooking continued...

A Festive Shrimp Boil (MBG) *NEW*

Gather your family and friends and dig into your southern, French, and Cajun roots. Chef Diana Smith will be making buttery toasted pecans, "the boil" (shrimp, sausage, potatoes, corn on the cob, and spices), creamy coleslaw, no-knead crusty bread, and peach icebox pie. Perfect for entertaining in your own backyard.

Saturday, May 19

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

EAT MORE PLANTS**The Joy of Herbs: The Newest Ideas for Growing, Cooking, and Sharing (MBG) *NEW***

Get practical tips for choosing, growing, and sharing herbs. The St. Louis Herb Society will teach and demonstrate the best practices for success with herbs. Delight in the aromas and tastes of live cooking demonstrations! Don't miss out on this sell-out class, where no one ever leaves hungry!

Monday, April 9

9:30 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

St. Louis Herb Society

**Green for Spring (MBG) *NEW***

It's springtime! Bright colors are back, and so are vibrant green veggies. We will make asparagus pesto, asparagus soufflé, and a savory asparagus tart. Paired with a green salad, they make a simple one-dish meal. We will also prepare a green bean salad with hazelnuts and orange, a recipe so atypical and flavorful it just begs to be shared.

Tuesday, April 10

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Baby Food Made at Home (MBG) *NEW*

Learn how to prepare your own baby food. Chef and dietitian Diana Smith will teach you age-appropriate foods for your baby or toddler. Recipes will include vegetables, fruits, and combination foods, as well as homemade yogurt and yogurt cheese. We will be steaming, baking, and using the microwave to prepare these foods and will show different methods of pureeing them. Lap babies are welcome, but we do not have proper accommodations for toddlers.

Tuesday, April 17

6 to 8 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

Festive Brunch (MBG)

Join Lana for this amazing brunch menu! She will be making avocado breakfast tacos served with a creamy tomatillo salsa, oven-roasted Mexican sweet corn, loaded sweet potato nachos, herb tomato juice shooters, and baked apples drizzled with apple cider sauce. Perfect for a Mother's Day or Cinco de Mayo celebration.

Monday, April 30

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

Springtime Is Rhubarb Time (MBG) *NEW*

Rhubarb is fun to bake with and delicious! Learn how to use it and how to pair it with other fruits. We will make a strawberry/rhubarb compote as well as a very delicate strawberry/rhubarb tart from a famous French chef. We will use rhubarb in a crumble and bake little "financiers à la rhubarbe" the French way.

Tuesday, May 8

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Pickling and Preserving (MBG) *NEW*

How can you preserve the wonderful summer harvest? Learn about the hot water bath canning process. We'll learn how to can summer berry preserves, bread and butter pickles, and pickle relish. You will also learn the current resources for canning and freezing your produce. Bring all your questions.

Tuesday, May 15

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

Introduction to Bread Baking (MBG) *NEW*

Whether using dry yeast or wild yeast, baking bread is always magical and very rewarding. In this introductory class, we will make and bake French bread and baguettes using different yeasts, techniques, and baking methods. After class, you will be ready to experience the wonder of bread baking at home. Of course, you will get to taste everything we make in class!

Saturday, March 10

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Garden-Inspired Appetizers with Fr. Dominic (MBG)

Fr. Dom is known for his carefully crafted yeast breads, and will now take those breads to next level as appetizers! You'll learn recipes for artichoke appetizer dip for crostini, bruschetta appetizer pizza, toasted cheese appetizers on bacon dill bread, and broccoli chicken *scromboli* with *velouté* dipping sauce. Impress your friends at summertime parties with your new repertoire. Fr. Dom's cookbooks will be available for purchase after the class.

Saturday, July 28

1 to 3:30 p.m.

\$45 members; \$54 nonmembers

Center for Home Gardening Classroom

Fr. Dominic Garramone, OSB

Chocolate Immersion: Unwrapping the Secrets of Chocolate (MBG) *NEW*

Have you ever taken the time to really taste chocolate and think about why you love it? Join fellow chocophile Kim Petzing to take your chocolate obsession to the next level. You will gain insights on how chocolate is made, the health benefits, common terminology, sustainability in the chocolate world, and pairing chocolate. Of course, you will also sample a variety of chocolate to support the discussion. You will walk away with a deeper understanding and appreciation of that food you crave, and possibly even discover a new favorite. You get to eat your homework with plenty of samples to take home!

Tuesday, May 22

6 to 8 p.m.

\$37 members; \$43 nonmembers

PlantLab

Kim Petzing

Light Summer Meals (MBG) *NEW*

Gather your family and friends for summer fun and entertainment with these recipes. Lana will be making tomato jam spread with goat cheese and crackers, summer picnic pasta salad, mac and cheese with summer vegetables and cheesy popcorn topping, and fresh mozzarella and blackberry basil *bruschetta*.

Tuesday, May 29

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

Pi Class! (MBG) *NEW*

There is no better day to celebrate pie than on National Pi Day! Join chef Diana Smith and learn how to make chicken pesto hand pies, seafood Rockefeller pie, zucchini tart, chocolate silk pie, and strawberry skillet pie. It all adds up to some terrific pies!

Wednesday, March 14

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

Sweet and Savory Scones (MBG)

Join us as we learn to prepare a traditional British golden raisin scone with homemade clotted cream, chocolate 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.

Tuesday, May 29

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft

Pies for Summer Time (MBG) *NEW*

Enjoy a taste of summer. Lana will bake lemon meringue pie, vanilla cream pie, a fresh two-crust peach pie, and an old-fashioned farmer's lard pie crust. Commercial pie dough crusts will be used, farmer's pie crust recipe will be demonstrated.

Tuesday, June 12

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek



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

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

Interested? Please visit mobot.org/volunteer to view opportunities and fill out an application.

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

Food and Cooking continued...

Queen's Cuisine's Pastry Secrets (MBG)

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

Monday, June 25

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft

Cool Summer Meals (MBG) **NEW**

Too hot to cook? No problem! Lana will share some great no-cook summer meals. She will be making spicy carrot and tomato salad dressing with mixed lettuce, garlic scape and basil pesto with crostini, gazpacho vegetable watermelon sips, cucumber watermelon summer herb salad, and cucumber lemonade cooler.

Tuesday, June 26

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

Preserving the Harvest: Tips and Tricks from EarthDance Organic Farm School (MBG) **NEW**

Join EarthDance Organic Farm School staff for a two-hour class as they show you how to preserve the summer abundance from your garden or local farmer through pickling, fermenting, drying, and freezing. Expect easy-to-follow recipes, hands-on instruction, and tips on how to feed yourself locally throughout the year. Possible crops (harvest dependent) could include slicer and cherry tomatoes, sweet and hot peppers, scallions, herbs, and other organic goodies from the farm and garden.

Tuesday, August 14

6 to 8 p.m.

\$20 members; \$25 nonmembers

Commerce Bank Center for Science

Education, Room 125

EarthDance Organic Farm School

DRINK MORE PLANTS

Springtime at the Tea Room (MBG)

Join us as we learn to prepare the Queen's Cuisine signature tomato soup served with cheese scones. Also enjoy a fresh spinach salad with strawberries and house-glazed walnuts and a spring vegetable quiche with vegetables that are soon to be in your local farmers' market. Last, prepare a beautiful butterfly cupcake for dessert.

Monday, April 16

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft

Sustainabili-TEA (MBG) **NEW**

Kateri Meyer of Traveling Tea will discuss the differences between the main classification types of tea: black, green, white, oolong, and pu'er; where tea comes from; and what happens between the field and your cup. She will also share guidelines that you can use to prepare enjoyable cups of tea for each of the different types. Through tasting multiple teas you will be able to determine for yourself what types of tea and methods of steeping work best for you. Tea (*camellia sinensis*), with its origins in ancient China, is not readily available locally at this time, but that is changing with new efforts underway for local U.S.-grown tea. Also, in addition to traditional tea, there are many other plants that can be enjoyed in similar fashion. Guayusa, yaupon, and cacao (yes, chocolate!) that are being grown or harvested in sustainable ways create income for indigenous people and utilize growing methods that support our planet rather than tearing down rainforests. Learn about where tea and these other plants grow, what is changing in the world of tea, and how you can enjoy it all in good conscience. Lots of tea sampling!

Saturday, March 10

10 to 11:30 a.m.

\$20 members; \$24 nonmembers

Commerce Bank Center for Science

Education, Room 125

Kateri Meyer—Traveling Tea

Tea Time with Cheese (MBG) **NEW**

Wine and cheese pairing is commonplace, but what about the art of pairing the right cheese with your tea? In this class, Kateri Meyer, local tea expert and founder of Traveling Tea, will discuss how the right tea can pair with cheese to make a delightful tea time experience.

Discuss how the tannins, growing location, brewing temperature, and more change tea and cheese pairings. Kateri will pair at least five different teas and cheeses, including some popular dairy-free options, and share further suggestions for your own pairing events.

Tuesday, May 15

6:30 to 8 p.m.

\$20 members; \$24 nonmembers

PlantLab

Kateri Meyer—Traveling Tea



Native Plant Tea (SNR)

Enjoy sampling several different types of tea as you learn about native plants used for tea. Following the sampling, we will take a hike around the Whitmire Wildflower Garden to view native plants, hear about their unique flavors, and learn which ones have medicinal properties.

Friday, June 29

10 a.m. to noon

\$30 members; \$36 nonmembers

Carriage House

Kerri Kelley

WANT MORE LIKE THIS?
See the Tea and Tour class on page 33!

GARDENING AND LANDSCAPING

GARDENING BEST PRACTICES

Become a Great Gardener

These classes are designed for beginners just getting into gardening.

The No-Brainer Container (MBG) **NEW**

Are you overwhelmed at all the plant choices at your local nursery? Are your plants struggling during our hot and dry summers? Looking for lower maintenance plants? Then this is the class for you. Come and learn the basics of container gardening and take a walk to see the gardens creative containers. You will make a 12" container of your own to take home.
Tuesday, April 3
 5:30 to 7 p.m.
\$55 members; \$69 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.
Thursday, April 5
 5:30 to 7:30 p.m.
\$55 members; \$69 nonmembers
 Missouri 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 in the Garden to see this season's creative containers. Create a container filled with spring plants to take home. All materials included.
\$55 members; \$69 nonmembers
 Sharon Lloyd

at the Missouri Botanical Garden
Tuesday, April 17
 5 to 7 p.m.
 Botanical Room
 or
 at the Butterfly House
Saturday, April 28
 10 a.m. to noon
 Lopata Learning Lab

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 12, 19, 26; May 3

6 to 8 p.m.

\$88 members; \$106 nonmembers

Missouri Room

Sharon Lloyd

Low-Maintenance Perennials (MBG)

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

Thursday, May 10

5:30 to 7:30 p.m.

\$33 members; \$39 nonmembers

PlantLab

Sharon Lloyd



Shade Container Gardening (MBG)

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" container made from recycled fiber material that can stand alone or be used as a liner inserted into your container at home.

Tuesday, May 15

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" container made from recycled fiber material that can stand alone or be used as a liner inserted into your favorite container at home. Perfect for sun/part sun plants.

6 to 8 p.m.

\$55 members; \$69 nonmembers

Sharon Lloyd

at the Missouri Botanical Garden

Tuesday, May 22

Botanical Room

or

at the Butterfly House

Tuesday, May 29

Lopata Learning Lab

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. Take a walk in the garden to see some of the beautiful plants.

Wednesday, July 18

5 to 7 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Master Gardener Series **NEW**

Join St. Louis's own Master Gardeners and learn tips and tricks of St. Louis 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, April 2

5 to 7 p.m.

\$33 members; \$40 nonmembers

Center for Home Gardening Classroom

Cheryl Rafert and Tammy Palmier

Rain Gardens (MBG)

Have you ever wondered what a rain garden is? Come learn more about how you can plan and install one in your home landscape as a means not only to capture storm water runoff but also to create a colorful and pleasing garden that attracts butterflies and birds. Rain gardens represent a sustainable landscaping initiative that many communities and homeowners are adopting not only to beautify the landscape but also to reduce pollution in our streams and waterways while simultaneously supporting ecology and the general environment.

Tuesday, April 17

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Ned Siegel

Organic Gardening Basics (MBG)

With increasing concern over the adverse effects of chemical pesticides in the environment, concerned gardeners are looking for effective alternatives. Organic gardening is where many of these ecologically minded gardeners are turning. In this class, Cheryl will explain the basic principles of organic gardening which can provide a conservative and economical approach to gardening. Organic approaches to soil preparation, pest control, and plant care will be covered.

Monday, May 7

6 to 8 p.m.

\$28 members; \$34 nonmembers

Center for Home Gardening Classroom

Cheryl Rafert

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.

Tuesday, June 19

6 to 8 p.m.

\$30 members; \$36 nonmembers

Center for Home Gardening Classroom

Anne Kirkpatrick

Gardening and Landscaping continued...

Advanced Composting and Troubleshooting **NEW**

This class is for those who have already taken the dive into becoming composting masters. You've mastered the basics of composting and are now ready for the next level. Has your pile become smelly? Is it taking too long? What do you do with all of those dead leaves anyway? In this workshop, you'll meet fellow compost enthusiasts and experimenters, discuss new ideas for composting, and troubleshoot problems you've been having with your own system. Participants are encouraged to bring photos or videos of their current compost system. Many thanks to the St. Louis-Jefferson Solid Waste Management District for making this program available at a lower cost to our participants.

\$7 members; \$10 nonmembers
Simon Warren

at Shaw Nature Reserve

Friday, March 9

10 to 11:30 a.m.

Carriage House

or

at the Missouri Botanical Garden

Thursday, August 9

6 to 7:30 p.m.

Commerce Bank Center for
Science Education, Room 125

Pesticides Alternatives (MBG) **NEW**

With all the bad publicity pesticides are receiving, it's time we learn the facts. Join us as we learn more about how pesticides work, why some are more dangerous than others, and what pesticides you can use safely. In addition to learning about pesticides, we will also cover how you can make your own safe "home remedies" and learn how the Garden implements beneficial insects and biological pesticides.

Saturday, March 10

10 a.m. to noon

\$28 members; \$34 nonmembers

Garden Room

Josh Higgins

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 20

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Glenn Kraemer

**Daffodils 101 (MBG)**

Have you ever wondered how the Garden gets the daffodils to look so beautiful each spring? Learn from the bulb expert Jason Delaney which bulbs work best for St. Louis, how deep to plant them, and when. Jason will also discuss bulb companion planting and lessons learned from his many years at the Missouri Botanical Garden.

Monday, April 2

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Jason Delaney

Rightsizing Your Garden (MBG)

Learn tips and tricks to make your garden less work and easier on your knees as you and your garden mature—think more shrubs, and fewer annuals. Terry will highlight plants that give you color but don't have to be deadheaded, how to subtract some plants that don't perform, and give you permission to ditch those fussy plants that need too much work. Sometimes, less is more when you make the right choices (and subtract the wrong ones).

Tuesday, April 10

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Terry Milne

Beginning Bonsai (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.

9 a.m. to noon

\$72 members; \$86 nonmembers

Botanical Room

Brian and Milt Ciskowski

Junipers

Saturday, April 14

or

Summer Tropical

Saturday, June 23

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 17

6:30 to 8:30 p.m.

\$30 members; \$36 nonmembers

Beaumont Room

Ben Chu

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 24

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Babs Wagner

Rescue Your Zoysia (MBG)

Zoysia has different cultural requirements than cool-season grasses. In this class, specific information and schedules for fertilizing, watering, and weed control will be presented.

Learn how to make your zoysia lawn the best on the block with minimal effort.

Tuesday, April 24

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Glenn Kraemer

DIY Repot Your Orchids (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.

Saturday, April 28

9 to 11 a.m.

\$33 members; \$40 nonmembers

PlantLab

Babs Wagner

Composting 101 (MBG)

Interested in composting, but don't know where to start? Want to know how to keep your compost pile going year-round? This class is for you! We'll discuss composting basics, bin design, including indoor and outdoor options, frequently asked questions, year-round 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 gardening systems, along with the knowledge they need to construct their own home-composting system.

Wednesday, May 2

6 to 7:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 125

Simon Warren

Building Terrariums (MBG) **NEW**

Interested in growing your own "miniature" garden? Learn the difference between terrariums, paludariums, and vivariums. This class will focus on how to build terrariums, what types of plants are easiest to manage, and the necessary maintenance. Includes a terrarium of your own to take home.

Saturday, May 5

10 a.m. to noon

\$33 members; \$39 nonmembers

Botanical Room

Josh Higgins

Mother's Day Container Gardening (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 8

6 to 8 p.m.

\$57 members; \$71 nonmembers

Botanical Room

Sharon Lloyd

Gardening and Landscaping continued...

Composting in Small Spaces (MBG)

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

Monday, May 14

6 to 7:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 125

Simon Warren

Let's Talk Trees! (MBG) *NEW*

Join Dave Gunn, one of the Garden's Certified Arborists, on a walk through the Garden grounds to discuss various trees in the collection, as well as suggestions for trees at your home or on your property. Dave will cover topics such as what species to plant, where (and where not) to plant them, watering, mulching, structural pruning, common pest problems, and how to create a healthy environment to keep your trees happy. During the walk, there will also be plenty of time to ask questions you may have about your trees at home, or in your neighborhood.

Tuesday, May 15

6 to 7:30 p.m.

\$21 members; \$25 nonmembers

Meet at the MBG ticket counter

David Gunn

Easy Tree I.D. for Beginners (MBG)

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

3 Tuesdays

May 15, 22, 29

5 to 7 p.m.

\$84 members; \$100 nonmembers

Missouri Room

Tom Ebeling

Episcias 101 (MBG) *NEW*

From deep in the rainforests of South America come the beautiful episcia! Join MBG Horticulturalist, Josh Higgins, and learn about these cute and easy-to-grow gesneriads. Episcias are the easier-to-grow relatives of African violets. Perfect for the home, these plants provide colorful foliage year-round and beautiful flowers as well. Class will include a presentation on how to grow and propagate episcias, and all participants will go home with a plant.

Saturday, May 19

10 a.m. to noon

\$33 members; \$39 nonmembers

Botanical Room

Josh Higgins

Seeds to Stem: Making More Plants (MBG)

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 9

10 a.m. to noon

\$33 members; \$40 nonmembers

Garden Room

Justin Lee

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

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 12

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Marissa Sedmak

Soil: The Skin of the Earth (SNR)

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

Thursday, June 14

9:30 to 11:30 a.m.

\$5 members; \$7 nonmembers

Carriage House

Ross Braun

**Behind the Scenes: Water Lilies (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. Don't forget your camera!

Tuesday, August 14

5 to 7 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Derek Lyle

GARDENING
FOR BIODIVERSITY**Native Plant School (SNR)**

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

Pruning Native Trees, Shrubs, and Vines

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

Thursday, March 8

1 to 4 p.m.

\$14 members; \$17 nonmembers

Carriage House

James Faupel

Native Wild Edibles Plants

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

Thursday, April 12

1 to 4 p.m.

\$24 members; \$30 nonmembers

Carriage House

Jen Sieradzki

WANT MORE LIKE THIS?

See the Wild Edibles and Advanced Wild Edibles classes on page 38, and the Edible Gardening in Containers class on page 20!

Gardening and Landscaping continued...

Native Plant School (SNR) continued...

Gardening under a Black Walnut Grove

Eighteen years ago, we planted two fringe trees in the Whitmire Wildflower Garden, one 10' from the base of a mature black walnut tree, the other beneath a chinquapin oak. The one beneath the oak is approaching 15' in height and spread whereas the one under the walnut is 5' tall and wide. Both have attractive branch structure and flower well. This dwarfing effect looks pleasing on single or multi-stemmed trees, but it can make certain shrubs look scrawny. This class will show you what native plants grow well or poorly under black walnuts.

Thursday, May 17
1 to 4 p.m.
\$14 members; \$17 nonmembers
Carriage House
Scott Woodbury

The Art of Combining Native Perennials (SNR)

Success with native perennials in the garden comes with choosing the right plant for the right location. It also depends on how you creatively combine them to best emphasize color, texture, form and size. These are the visual elements, the tricks of the trade, that make gardens attractive to people.

Thursday, June 14
1 to 4 p.m.
\$14 members; \$17 nonmembers
Carriage House
Scott Woodbury

Flower Arranging with Native Plants (SNR)

Bring a small to medium vase and something to carry it in (like a box) to class and bring it home full of beautiful native flowers. Learn how expert flower arranger Terri Brandt creates beautiful floral arrangements using a wide array of plant materials and flowers.

Thursday, July 12
1 to 4 p.m.
\$14 members; \$17 nonmembers
Greenhouse
Terri Brandt

Pondscaping with Native Plants

Permanent water features like ponds and water gardens attract more wildlife than any feature in the Whitmire Wildflower Garden. They are home to wetland birds, dragonflies, frogs, salamanders, turtles, and the predators that eat them, including snakes and hawks. Ponds and water gardens with permanent water have special needs and plants. Come learn which plants grow in water and which grow just beyond the water's edge. Also learn how to manage for problems associated with duckweed, algae, invasive species, pond leaks, and erosion.

Thursday, August 9
1 to 4 p.m.
\$14 members; \$17 nonmembers
Carriage House
Jen Sieradzki

Starting a Pollinator Garden (BH) *NEW*

Learn how to successfully create a garden for pollinators or how to make an existing garden more pollinator friendly. We will cover the top native plants for attracting a variety of pollinators, and we will introduce the main pollinators active in our area. Whether your gardening interests are in food gardening, native plant gardening, or gardening for pure beauty, you will find rewarding information here.

Saturday, March 17
10 to 11:30 a.m.
\$21 members; \$25 nonmembers
Lopata Learning Lab
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. We will take a walk to the Missouri Botanical Garden bird garden or Butterfly House Native Garden, and take home a hummingbird-attracting plant to get you started!

6 to 8 p.m.
\$33 members; \$39 nonmembers
Sharon Lloyd

at the Missouri Botanical Garden
Thursday, May 31
Missouri Room
or
at the Butterfly House
Thursday, July 19
Lopata Learning Lab

**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. We will tour the vegetable garden to see the pollinators at work. Please wear walking shoes.

Monday, April 30
6 to 7:30 p.m.
\$26 members; \$30 nonmembers
Garden Room
Chris Hartley

All About Native Bees (BH) *NEW*

Did you know there are around 3,500 species of bees in North America? This class will offer an introduction to the most common bees found in Missouri. We will cover where they live, which flowers attract them, and the many benefits they have to our gardens. Each participant will get to use bamboo to make a nest for native bees in their yard at home.

Saturday, June 9
10 to 11:30 a.m.
\$21 members; \$25 nonmembers
Lopata Learning Lab
Chris Hartley

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 of your "visitors."

Monday, May 7
6 to 8 p.m.
\$28 members; \$34 nonmembers
Missouri Room
Kyle Cheesborough

LANDSCAPE DESIGN IDEAS

Home Landscape Design (MBG)

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

6 Tuesdays
March 27; April 3, 10, 17, 24; May 1
6:30 to 9 p.m.
\$149 members; \$179 nonmembers
Garden Room
Randall Mardis

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 16
6 to 8 p.m.
\$28 members; \$34 nonmembers
Center for Home Gardening Classroom
James Wagner

Tips and Tricks for Rock Gardening (MBG)

Horticulturist Mariel Tribby, rock garden expert, is going to share the Garden's tips and tricks for successfully growing a rock garden in the Midwest. A lecture will be followed by a tour of the Heckman Rock Garden, which features a myriad of flowering bulbs, perennials, and shrubs from rocky and dry environments. She will introduce you to rock garden plants that range from Missouri natives to wild-collected species from around the world.

Saturday, April 28
10 a.m. to noon
\$28 members; \$34 nonmembers
Garden Room and Garden grounds
Mariel Tribby



GREEN LIVING



Introduction to Recycling (MBG) **NEW**

It's often hard to figure out what can be recycled and what has to be thrown away, and even harder to explain it to skeptical friends and family. Are bottle caps okay? What about plastic bags? Does it even get recycled anyway? Who better to answer these questions than the service that actually separates and processes recyclables? In this class, you will talk with a regional recycler and learn firsthand what actually can be recycled, where St. Louis recyclables go, and what has to be tossed to the landfill. We'll discuss the importance of recycling, the value of products, the process it takes for things to get sorted and recycled, and tips and tricks for you to get friends and family members to embrace recycling in their lives. Leave class feeling knowledgeable and empowered to become a community recycling ambassador.

Monday, April 9
6 to 7:30 p.m.

\$8 members; \$10 nonmembers
Commerce Bank Center for Science
Education, Room 126
Simon Warren and Stephen Herring

Stump-tastic! (MBG) **NEW**

Come find out what makes a stumpery garden unlike any other garden you know with Garden horticulturist and designer of the Garden's Stumpery, Nathan Urben. Nathan will give a brief history of stumpery gardens and then walk you through the design process for the Garden's Stumpery. Plant selection, stumpery design, and other important details will be discussed to help students start their own. The class will conclude with a short walking tour of the Garden's Stumpery.

Saturday, May 19

10 a.m. to noon

\$28 members; \$34 nonmembers

PlantLab
Nathan Urben

Technology of Single Stream Recycling (off-site)

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

Tuesday, April 17,

Thursday, May 17,

or Wednesday, June 13

6:30 to 8 p.m.

\$10 members; \$15 nonmembers

Republic Services Recycling Center;
(6025 Byassee Dr., Hazelwood MO 63042)
Stephen Herring; Republic Services

Zero-Waste Events and Other Ways to Go Green While Having Fun (MBG) **NEW**

Learn ways to make your next big event more environmentally friendly. EarthWays Center staff will share stories of greening events and festivals and help you decide what green options are right for your event. Leave this class with a specific, accurate plan to put those steps into action and helpful resources. No matter what you're planning, this class will provide you with valuable strategies that can decrease the amount of trash that gets sent to the landfill, minimize environmental impacts, and leave your guests inspired. Thank you St. Louis-Jefferson Solid Waste Management District for making this program available at a lower costs to our participants.

Monday, March 12

6 to 7 p.m.

\$5 members; \$7 nonmembers

Commerce Bank Center for Science
Education, Room 126
Simon Warren

Eco-Friendly Furniture Repair (MBG)

Perennial will share some tips on repairing joints and refinishing surfaces—all with the earth in mind! You'll get info about where to discover the best "trash" in St. Louis. We'll leak some of Perennial's favorite spots to find discarded furniture, give you insight into the city's bulk trash system, and link you to online resources where someone else's trash can become your treasure. Through hands-on demonstrations, you'll learn 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.

Thursday, June 14

7 to 9 p.m.

\$35 members; \$42 nonmembers

PlantLab

Perennial

Chickens in My Backyard?! (MBG) **NEW**

Ever wonder what it's like to keep chickens in your backyard? Already have chickens but have some questions? Come meet the Easy Chicken's baby chicks and join us for this fun new class all about keeping backyard chickens in your yard. We will discuss basic chicken info including anatomy, habits, differences between breeds and rooster/hen, egg differences, and how to raise chickens in St. Louis. We'll review food, shelter, water, and climate considerations for preparing to bring chickens to your home. We will also touch on health issues to look out for and give people the chance to hold a live chicken!

Tuesday, August 7

6:30 to 8 p.m.

\$10 members; \$15 nonmembers

Commerce Bank Center for Science

Education, Room 125

The Easy Chicken

Velofix Fix-a-Flat Bike Clinic (MBG) **NEW**

Velofix is a mobile bike shop that believes bicycles can help change the world. Whether you are a road warrior, a commuter, an elite triathlete, a daredevil mountain biker, or enjoy your leisurely weekend rides on your e-bike, you need to be prepared do what you love...RIDE! The Fix-a-Flat clinic will cover everyone's biggest fear—the dreaded flat tire! Fear not, it's a simple fix that just takes a little bit of practice. Velofix St. Louis will give everyone a hands on approach to fixing a flat: what you need, and the most time and labor-efficient way to get back on the road.

Saturday, April 7

(during Meet Me Outdoors in St. Louis)
10:30 to 11:30 a.m.

Missouri and Botanical Rooms

or Wednesday, April 25

6:30 to 7:30 p.m.

Commerce Bank Center for Science

Education, Room 125

\$35 members; \$42 nonmembers

Francesca DeRanzo; Velofix St. Louis

Homemade Cleaners to Go! (MBG)

Join us in making cleaning and personal products you can make at home—save money, use less hazardous materials, and know the ingredients! Great for all, especially those wanting to remove certain products from their homes and anyone with sensitive skin, allergies, or health needs. You'll go home with three products, choosing from four items: liquid laundry detergent, all-purpose cleaning spray, liquid room air freshener, and bug spray. Bring your own homemade cleaning product ideas to share as we dive into an evening of green cleaning exploration! Light snacks and lemonade will be provided.

Thursday, May 10

6:30 to 8:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 125

Glenda Abney and Julie McCroskey

Your love for plants can change the world.

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

How will you discover + share?



MISSOURI BOTANICAL GARDEN

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

Green Living continued...

Healthy Homes and Energy Efficiency (MBG)

Discover how to create a healthy indoor environment at home while saving energy and dollars. Join Richard Reilly, local energy expert and EarthWays Center staff member, in a 90-minute discussion tying home health and energy efficiency together. Explore the Energy Efficiency Wall to learn about the ins and outs of energy efficiency and your home. Discussion will demonstrate how to increase comfort and lower bills—saving money! Get pointers on easy DIY projects and gain a better understanding of when it's time to call in a pro. Map out a strategy for your home, conditions, and needs with a local energy expert.

Thursday, March 1

6 to 7:30 p.m.

\$7 members; \$10 nonmembers

Commerce Bank Center for Science

Education, Room 125

Richard Reilly

Clean Water and You: Issues in Water Quality and Stormwater (MBG) **NEW**

This class will explore the value of clean water in our community. We will discuss important water quality issues our community faces and the many ways the region is working to protect our watersheds. Discover the relationship between human development, stormwater, and water quality issues and the best management practices we can implement to prevent pollution. Class held in partnership with the St. Louis Metropolitan Sewer District.

Thursday, April 19

6 to 7:30 p.m.

\$8 members; \$10 nonmembers

PlantLab

Kat Golden and EarthWays Center staff

Green Burial: A Better Way to Go (MBG)

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

Tuesday, May 8

7 to 9 p.m.

\$8 members; \$10 nonmembers

Commerce Bank Center for Science

Education, Room 125

Gracie Griffin—Bellefontaine Cemetery

GUIDED WALKS AND TOURS

BEHIND THE SCENES TOURS



Behind the Scenes:

Japanese Garden (MBG)

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

Monday, April 23

or Tuesday, April 24

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Meet at the MBG ticket counter

Greg Cadice

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 16

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Meet at the MBG ticket counter

Wendy Applequist

Registration starts February 1. Sign up online at mobot.org/classes.

Walking Tour with the Green Dining Alliance (off-site)

Join us on one of two exciting walking tours of St. Louis's own unique Green Dining Districts. Jenn Derose, Green Dining Alliance Program Manager, will lead participants in these exciting opportunities to learn how a local program is helping make a big difference in the St. Louis restaurant scene. The Green Dining Alliance (GDA), 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 the commitment to reduce their environmental footprint.

\$10 members; \$15 nonmembers
Jenn DeRose; Green Dining Alliance

Delmar Loop

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

Thursday, April 12
Rain date Friday, April 13
3 to 5 p.m.
Meet at Fitz's (6605 Delmar Blvd.,
St. Louis MO 63130; Free parking
available in the Delmar Public lot

Maplewood

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 larger 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 1 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. 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 Green Business Challenge awardee.

Saturday, April 7
Rain date Saturday, April 14
2 to 5 p.m.
Schlafly Bottleworks (7260 Southwest Ave.,
St. Louis MO 63143; Parking available
behind the 7300 block of Manchester)

Where Does Trash Go? Field Trip to a Local Landfill (MBG)

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

Thursday, May 24
3 to 5:30 p.m.
\$45 members; \$54 nonmembers
Meet at Commerce Bank Center for Science
Education, Room 125 for brief presentation
and departure to local landfill
EarthWays Center staff

EarthDance Organic Farm School Tour (off-site) *NEW*

Join us for a 2-hour tour of EarthDance Organic Farm School, a working farm and nonprofit operating on the oldest organic farm west of the Mississippi River! Your visit will include an overview of our rich history, an introduction to our many hands-on educational and community programs, and a guided walking and tasting tour of our 14-acre USDA-certified organic farm. Topics covered during this tour include low-till and no-till growing techniques, permaculture design, market gardening, organic pest and weed management, regenerative soil building, and the importance of growing food everywhere! This tour is family friendly, so feel free to bring along kiddos to sample veggies straight from the fields and meet our pasture-raised chickens!

Saturday, June 16
1 to 3 p.m.
\$20 members; \$25 nonmembers
EarthDance Organic Farm School
(233 S Dade Ave, Ferguson, MO 63135)
EarthDance Organic Farm School

Food Roof Fun (off-site)

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 18
1 to 3 p.m.
\$20 members; \$24 nonmembers
Meet at Urban Harvest STL's Food Roof
Farm (1335 Convention Plaza, St. Louis
MO 63103; Parking on street)
Urban Harvest STL

WANT MORE LIKE THIS?
See the *Behind the Design:*
Flora Borealis class on page 6!

**Bluebells Abound! (SNR)**

In the Shaw 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 approximately 1 mile on our River Trail that is flat, uphill on the way back (but you can be driven back by our volunteer), and rocky. A sweet treat follows your hike.

Thursday, April 5
12:30 to 3:30 p.m.
\$10 members; \$12 nonmembers
Meet at the SNR Visitor Center
Shaw Nature Reserve staff and volunteers

Tea and Tour (SNR)

Enjoy savory and sweet treats while being served a selection of teas at the Carriage House. Once everyone has had their fill, we will take a ¼ mile guided tour of the Whitmire Wildflower Garden.

Friday, May 4
2 to 4 p.m.
\$30 members; \$36 nonmembers
Carriage House
Shaw Nature Reserve staff and volunteers

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 25
7 to 9:30 p.m.
\$28 members; \$34 nonmembers
Meet at the SNR Visitor Center
Shaw Nature Reserve staff and volunteers

HEALTH AND WELLNESS

Butterfly House Yoga (BH)

Enjoy an hour-long, all-levels yoga class. Beginners are encouraged to join. Classes will be held indoors, and students are invited to a pre-practice meditative stroll through our Conservatory to see our flying butterflies. Doors open at 6 p.m. for a prepractice meditative stroll. Price per class. Tuesday, March 13, April 10, May 8, June 12, July 10, or August 14
6:30 to 7:30 p.m.
\$15 members; \$18 nonmembers
Lopata Learning Lab
Yoga Buzz Instructor



Garden Yoga (MBG)

Make the Garden your sanctuary with a Sunday morning yoga session among the flowers and trees. Enjoy an hour-long, all-levels yoga class. Beginners are encouraged to join. Please bring a yoga mat and come prepared for a short walk. Price per class. Sunday, May 6, 13, 20, or 27
9:30 to 10:30 a.m.
\$15 members; \$18 nonmembers
Garden grounds; Missouri Room
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 and stamina and increase your flexibility. Practicing yoga in this serene, natural setting will help you to become a more focused, relaxed, and happier you.
6 Sundays
April 8, 15, 22, 29; May 6, 20
9 to 10 a.m.
\$60 members; \$72 nonmembers
Carriage House
Barbie Benetin

Matter of Balance (MBG)

A Matter of Balance is an award-winning program designed to reduce the fear of falling and increase the activity levels of older adults who have concerns about falls. Surrounded by the beauty of the Garden, these sessions will help participants learn how to view falls and the fear of falling as something controllable. There will also be information on how to set realistic goals for increasing activity, as well as how to change one's environment to reduce fall risk factors. Class will be held in the classroom and outdoors. In partnership with the University of Missouri Extension. Come prepared for a short walk. Please wear walking shoes.
8 Mondays
April 2, 9, 16, 23, 30; May 7, 14, 21
10 a.m. to noon
\$55 members; \$66 nonmembers
PlantLab
Leslie Bertsch MS, MPH, RD, LD

Managing Stress with Meditation (BH) **NEW**

Stress has become an inevitable companion in our lives. Various types of stress and tension rule our minds and steal our peace of mind regularly. Situations can be uplifting and devastating in the cycle of life but one's attitude has power over any situation. Join this session to understand the root cause of stress and some valuable tools and techniques to manage stress. A 30-minute guided meditation is included in this session.
Wednesday, May 16
6:30 to 8 p.m.
\$21 members; \$25 nonmembers
Lopata Learning Lab
Priya Mahendarkar

Mindfulness in the Garden (MBG)

Explore the treasures of the garden through the senses. Learn mindfulness 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 27; May 4, 11, 18
9:30 to 11 a.m.
\$75 members; \$90 nonmembers
Garden Room and Garden grounds
Rhonda Leifheit

Beneath the Trees (MBG)

Throughout history a special relationship has existed between humankind and trees. Whether as shelter, food, symbols of beauty, strength, or inspiration, trees enrich our lives. Join us for a brief instruction in guided meditation and how trees have and continue to command respect and reverence across cultures. We will journey outside to meditate beneath a tree that calls to you and notice what is evoked in the stillness, or simply enjoy the shelter your tree provides. Come prepared for a short walk.
Thursday, May 31
9:30 to 11:30 a.m.
\$28 members; \$34 nonmembers
Garden Room
Rhonda Leifheit

Trail Run (SNR)

These runs introduce you to plants, animals, and trails at Shaw 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.
14 Thursdays in March, April, and May
8:30 to 9:30 a.m.
Free for members; included with admission for nonmembers
Check in at the SNR Visitor Center
Rachel Weller



Wednesday Walkers (SNR)

Walks begin at 1 mile and work up to 3 (weather permitting). At the end of two months you will have hiked most of Shaw Nature Reserve's trails and made new friends. The final walk is called "Reward Wednesday" and includes a potluck gathering.
9 Wednesdays
April 4, 11, 18, 25; May 2, 9, 16, 23, 30
10 to 11:30 a.m.
Free for members; \$45 nonmembers (\$5 admission per each walk)
Follow the signs from the entrance
Rachel Weller

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
Pages 25–26



HISTORY AND HERITAGE

Inside Look at Shaw Nature Reserve (SNR)

Learn about the history of the Reserve through pictures or tours around the property or behind the scenes in our historic buildings. Price per class.

10 a.m. to noon

\$7 members; \$9 nonmembers

Daffodil Hike

Thousands of daffodils bloom around the Shaw Nature Reserve's Pinetum Lake and the road encircling it each year. Hear the history of how the plants came to be here, learn about our different varieties and how to grow them, and view the spectacular display. The hike is a leisurely 1-mile walk on grass and pavement trails with plenty of time to take pictures.

Friday, March 23

Meet at the SNR Visitor Center

Rachel Weller

Eastern Bluebirds Tour

View a presentation about our 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 300+ chicks hatch in our 86 bluebird boxes.

Friday, June 15

Carriage House

Lynn Buchanan and Jill Cummings

Bascom House Tour

Tour the upper floor 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, August 31

Bascom House

Rachel Weller

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. Optional short walk.

Saturday, May 19

10 a.m. to noon

\$40 members; \$48 nonmembers

Bellefontaine Cemetery (4947 W

Florissant Ave., St Louis MO 6315)

Kyle Cheesborough

NATURE STUDY

Weather Spotter (MBG)

Learn the basic tools you need to become a severe weather spotter for the National Weather Service (NWS). Starting with a blue sky, individuals are taught the basics of thunderstorm development, storm structure, what features to look for, and where to find them. What and how to report information and basic severe weather safety are also covered. This multimedia 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 21

6:30 to 9 p.m.

Free for members and nonmembers

Shoenberg Theater

Jim Kramper

How Animals Work/Vertebrate Adaptations (MBG) **NEW**

We will explore several processes as they have been perfected in vertebrate evolution. These will include buoyancy regulation, osmotic balance on deserts, in sea and fresh water, diving, hibernation, and metabolic and thermal regulations. From fish to philosopher, one finds exquisite adjustments by vertebrates as they confront challenges presented by particular environments.

4 Mondays

March 12, 19, 26; April 2

1 to 3 p.m.

\$72 members; \$86 nonmembers

Commerce Bank Center for Science

Education, Room 125

Dr. Richard Coles

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 four evening classes will be devoted mainly to learning the local birds, including songs and calls, as well as visual marks. We will also cover field guides, binoculars, organizations, and where to go birding around St. Louis. The field trips will visit two good areas with a great diversity of spring birds. You will be responsible for your own transportation and lunch, and you should expect hikes of up to 2 miles.

4 Mondays

April 16, 23, 30; May 7

7 to 9 p.m.

and 2 Saturdays

April 28 and May 12

7 a.m. to 3 p.m.

\$180 members; \$216 nonmembers

Botanical Room

Joseph Eades

Build a Bluebird Nest Box (SNR)

Make a North American Bluebird Society-style nest box for the eastern bluebird (*Sialia sialis*) to put out in your yard just as they begin breeding season in our state. Take a short stroll to view some of the boxes at the Nature Reserve and go over proper placement and care. All materials provided, and wood has pilot holes.

Friday, March 2

10 to 11:30 a.m.

\$20 members; \$24 nonmembers

Meet at the SNR Visitor Center

Rachel Weller

FrogWatch USA™ (SNR)

For ages 14 and older. FrogWatch USA™ is a long-term citizen science monitoring program of frogs and toads. As a volunteer-based monitoring program, FrogWatch 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.

Wednesday, March 21 or 28

6:30 to 8:30 p.m.

Free for members and nonmembers

Carriage House

Rachel Weller and Lydia Toth

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. Come to one or all of the walks; each will be different.

Wednesday, April 11, 18, or 25

8:30 to 11 a.m.

\$5 members; \$7 nonmembers

Meet at the SNR Visitor Center

Don Hays, Shaw Nature Reserve Volunteer

Migratory Bird Walk (SNR)

After joining your guide, we will travel to the Trail House to 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 5

8:30 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the SNR Visitor Center

Aileen Abbott and Don Hays

Signs of Spring Hike (SNR)

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 16

1 to 4 p.m.

\$7 members; \$9 nonmembers

Meet at the SNR Visitor Center

Master Naturalists Besa Schweitzer

and Darla Preiss

Nature Journaling and Hiking (SNR) **NEW**

Enjoy hiking and exploring nature? How would you like to experience your outdoor time at a deeper and richer level? If this piques your interest then join us for a casual hike as we learn how to record our outdoor discoveries through nature journaling as we move down the trail. We will start inside to get acquainted with nature journaling techniques and strategies and then move outside to hike and journal. Nature journaling is an excellent way to document your discoveries, thoughts, questions, and more as you explore the great outdoors! All skill levels are welcome—although artistic talent is not required.

Friday, May 11

10 a.m. to noon

\$15 members; \$18 nonmembers

Carriage House

Angie Jungbluth

Nature Study continued...

Tree Identification Walk (BH) *NEW*

Have you ever been walking in the park and wondered, "What kind of tree is that?" Or maybe you have a tree in your backyard that you'd like to know what it is. Join us at the Butterfly House for an introduction to tree identification. We will give you an introduction to tree identification, discuss the features to examine on a tree for proper identification, and talk about Missouri's most common trees.

Sunday, June 3

9 to 11 a.m.

\$28 members; \$34 nonmembers

Meet at the BH ticket counter

Curtis Parsons

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 20

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 20

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 where you will learn how to identify a few poisonous mushrooms and lots of edibles.

Saturday, April 7

1 to 3 p.m.

\$16 members; \$20 nonmembers

Carriage House

Maxine Stone

Urban Foraging (MBG)

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. Walk included.

Sunday, April 29

1 to 4 p.m.

\$42 members; \$50 nonmembers

Missouri Room

Dr. Catrina Adams

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! Price per class.

Saturday, April 28 or May 26

9 a.m. to noon

or June 23, July 14, or August 11

8:30 to 11:30 a.m.

\$15 members; \$18 nonmembers

Meet at the SNR Visitor Center

Dr. James Trager

Natural Wonders Trail Hike at Meramec State Park (off-site) *NEW*

Join Lil and Danny at Meramec State Park for a hike along the Natural Wonders Trail to discover the wildflowers in bloom along the trail, in the dolomite glade at the back of the trail, and to see the karst features along the trail. The trail is 1.3 miles in length, moderate terrain, with most of the trail within the Meramec Mosaic Natural Area as described in *The Terrestrial Natural Communities of Missouri* by Paul W. Nelson.

Saturday, May 5

9:30 a.m. to noon

\$7 members; \$9 nonmembers

Meet at the Meramec State Park Visitor's

Center parking lot (670 Fischer

Cave Dr., Sullivan MO 63080)

Danny McMurphy and Lillian Collins

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.

Tuesday, April 10, 17, or 24; or May 15, 22, or 29

9:30 a.m. to noon

\$9 members; \$11 nonmembers

Meet at the SNR Visitor Center

Dr. James Trager

OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY

**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 climber, per session.

\$35 members; \$43 nonmembers

12:30 to 2:30 p.m.

or 3 to 5 p.m.

Jon Richard and Vertical Voyages Team

at the Missouri Botanical Garden

Saturday, April 28 or June 23,

or Sunday, June 24

Meet at climb site: see map

or

at Shaw Nature Reserve

Saturday, May 12 or 19,

or Sunday, May 13 or 20

Bascom House

Beginner Kayaking 101 (SNR)

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

Saturday, July 21

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

or 2:30 to 4:30 p.m.

\$45 for members and nonmembers

Follow the signs from the entrance

Alpine Shop

Stand-Up Paddleboard (SNR)

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

Saturday, August 18

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

or 2:30 to 4:30 p.m.

\$45 for members and nonmembers

Follow the signs from the entrance

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 fourth 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.

Saturday, March 24

8 to 10 a.m.

Prices vary; check the Alpine Shop website

Follow the signs from the entrance

Alpine Shop and Shaw Nature Reserve

Outdoor Adventures continued...

Introduction to Bird Watching (BH) **NEW**

For adults and/or families with kids 8 and up. Have you ever gone "birding" before? Join us at the Butterfly House to learn how to properly use and adjust binoculars, the basics of bird identification, and many other tips and tricks to make birding a fun and educational experience. No prior experience necessary. Please bring your own binoculars and feel free to bring your favorite bird guides. Other materials will be provided. Price per person. **Saturday, April 21**
8 to 10 a.m.
\$20 members; \$24 nonmembers
Meet at the BH ticket counter
Curtis Parsons

Fly Fishing for Beginners (SNR)

For ages 16 and up. Join members of the Gateway Chapter Trout Unlimited for one of these beginner classes. Learn about the equipment needed to get started and basic fly-tying and rod-casting skills. Practice catch and release at Pinetum Lake where fishing is not normally allowed. All fishing equipment is provided. **Sunday, April 29**
1 to 5 p.m.
\$24 members; \$30 nonmembers
Carriage House
Gateway Chapter Trout Unlimited

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 2 hours, then this class is for you. Bring your favorite canine companion for a nice 1-hour hike led by a Shaw Nature Reserve staff member. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. **Sunday, April 29**
4:30 to 5:30 p.m.
\$7 members; \$9 nonmembers
Adlyne Freund Center
Karen Bryan

Hiking with Rover (SNR)

For families with kids of all ages. Take your favorite canine companion for a nice 2-hour hike led by a Shaw Nature Reserve staff member. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Hikes are on trails over rolling terrain. **Sunday, May 6**
4:30 to 6:30 p.m.
\$10 members; \$12 nonmembers
Adlyne Freund Center
Karen Bryan

Creek Stomp for Adults (SNR)

Grab your creek shoes and come explore Brush Creek with us! 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! **Friday, May 18**
1 to 4 p.m.
\$7 members; \$9 nonmembers
Bascom House
Master Naturalists Besa Schweitzer
and Bob Virag

Discover Nature: Women's Day (SNR)

For women ages 14 and up. Ages 14–17 must be accompanied by an adult. This program offers the opportunity to participate in outdoor activities led by knowledgeable instructors. Learn, improve, or practice outdoor skills in archery, wildflower identification, and dutch oven cooking. In partnership with the Missouri Department of Conservation. Price includes snacks and meals. **Saturday, June 16**
9 a.m. to 4 p.m.
\$35 members; \$42 nonmembers
Adlyne Freund Center
Shaw Nature Reserve Staff
and Missouri Department of Conservation

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 after the hike starts, and the moonlight will allow us to enjoy the sights, sounds, and smells of a summer 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. **Wednesday, June 27**
8 to 10 p.m.
\$7 members; \$9 nonmembers
Meet at the SNR Visitor Center
Rachel Weller

YOUTH AND FAMILY



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.

AGES 6 AND UNDER

Little Sprouts: Spring (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. Each session includes indoor, hands-on activities, songs, stories, snacks, and a walk in the Garden. This spring we will visit a special garden each week, including the Climatron, Scented Garden, Kemper Vegetable Garden, and Prairie Garden. Price per child, per series. One adult per child. **10 to 11:30 a.m.**
\$105 members; \$126 nonmembers
Botanical Room and Garden grounds
Kelly Wehrheim

Monday Series
7 Mondays
April 9, 16, 23, 30; May 7, 14, 21

Tuesday Series
7 Tuesdays
April 10, 17, 24, May 1, 8, 15, 22

Wednesday Series
7 Wednesdays
April 11, 18, 25; May 2, 9, 16, 23



*Youth and Family continued...***Little Sprouts: Summer (MBG)**

For ages 2 to 3. Learn about plants and nature with your toddler during this 4-week series. Each session includes indoor, hands-on activities, songs, stories, snacks, and a walk in the Garden. In the first session, we'll use our senses to explore a new part of the Garden each week. In the second session, we'll explore a new Garden habitat each week. Price per child, per series. One adult per child. 10 to 11:30 a.m.

\$60 members; \$72 nonmembers
Botanical Room and Garden grounds
Kelly Wehrheim

First session

4 Mondays

June 4, 11, 18, 25

or 4 Tuesdays

June 5, 12, 19, 26

or 4 Wednesdays

June 6, 13, 20, 27

Second session

4 Mondays

July 23, 30, August 6, 13

or 4 Tuesdays

July 24, 31, August 7, 14

Little Bugs: Spring and Summer (BH)

For ages 2 to 4. Social play and interaction are critical skills for early development. Come explore the world of invertebrates at the Butterfly House. Each session features a different organism which includes story time, snack, craft, and adventure through the gardens. Price per child, per class. One adult per child. 10 to 11 a.m.

\$12 members; \$15 nonmembers
Lopata Learning Lab
Kim Garbs

Chirping Crickets

Monday, April 16

Marching Millipedes

Monday, April 23

Rolling Roly Poly

Monday, April 30

Pretty Praying Mantis

Monday, May 7

Crawling Caterpillars

Monday, May 14

Flashing Fireflies

Monday, May 21

Hide and Seek

Wednesday, June 20

Soil Dwellers

Wednesday, June 27

Water Play

Wednesday, July 11

Smells Alive

Wednesday, July 18

Little Nature Explorers (SNR)

For ages 3 to 5. Early childhood peer interaction is key to early development. Each week has a different nature-based theme, hands-on activities, story time, snack provided, and will be held outdoors (weather permitting). Take one class or take them all. Register by March 2, 2018, for three or more Little Nature Explorer classes, and your child will receive a t-shirt! Price per child, per class. One adult per child. 9:30 to 11:30 a.m.

\$12 members; \$15 nonmembers
Carriage House
Karen Bryan

Salute to Dr. Seuss

Friday, March 2 or Tuesday, March 6

Fun with Weather

Tuesday, March 20

All About Seeds

Tuesday, April 3

Wiggle Worms

Tuesday, April 24

Nature's Babies

Tuesday, May 8

Creek Stomp

Tuesday, May 22

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. Monday, April 16 or 30 9:30 to 11 a.m.

Free for members; included with admission for nonmembers
Meet at the SNR Visitor Center
Karen Bryan

**Garden Buds: Spring (MBG)**

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Price includes one child and one adult. Register by March 2, 2018, for three or more Spring Garden Buds classes, and your child will receive a t-shirt! Price per child, per class. One adult per child.

\$16 members; \$19 nonmembers
Botanical Room and Garden grounds
Kelly Wehrheim or Sharon Lloyd

Tropical Treats

Did you know that many of our yummy treats come from plants in the tropical rainforest? Come along as we explore in the Climatron and then make some of our very own delicious tropical treats!

Sunday, March 4
1 to 2:30 p.m. or
Thursday, March 8
10 to 11:30 a.m.

A Walk in the Woods

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

Sunday, March 18
1 to 2:30 p.m.
or **Thursday, March 22**
10 to 11:30 a.m.

Sweet Spring Smells

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

Thursday, March 29
10 to 11:30 a.m.
or **Sunday, April 8**
1 to 2:30 p.m.

The Giving Tree

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

Thursday, April 12
10 to 11:30 a.m.
or **Sunday, April 15**
1 to 2:30 p.m.

Buzzing and Blooming

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

Thursday, April 26
10 to 11:30 a.m.
or **Sunday, April 29**
1 to 2:30 p.m.

Veggie Tales

Every vegetable has a story to tell! Join us as we see how different vegetables grow, create some veggie art, and sample a garden buffet.

Thursday, May 17
10 to 11:30 a.m.
or **Sunday, May 20**
1 to 2:30 p.m.

Garden Buds: Summer (MBG)

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Price includes one child and one adult. Register by May 4, 2018, for three or more Summer Garden Buds classes, and your child will receive a t-shirt! Price per child, per class. One adult per child.

\$16 members; \$19 nonmembers
Botanical Room and Garden grounds
Kelly Wehrheim or Sharon Lloyd

The Pizza Garden

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

Saturday, June 9
10 to 11:30 a.m.

The Butterfly Garden

Did you know that butterflies are very important pollinators in the Garden? Join us as we go in search of these "winged jewels." Plant a butterfly-attracting plant to take home.

Saturday, June 23
or **Thursday, June 28**
10 to 11:30 a.m.

Youth and Family continued...

Garden Buds: Summer (MBG) continued...

Watercolors in the Garden

Join us as we use the Garden as the inspiration for our watercolor masterpieces. Create your watercolor pictures while being surrounded with flowers.

Saturday, July 7
or Thursday, July 12
10 to 11:30 a.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 14
or Thursday, July 19
10 to 11:30 a.m.

Exploring Flowers

Join us as we get an up-close look at flowers and all their parts in the classroom. Then we'll take a walk outside to find these plant parts in the Garden.

Saturday, July 28
10 to 11:30 a.m.

Plant Detectives

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

Saturday, August 4
or Thursday, August 9
10 to 11:30 a.m.

AGES 6 AND UP

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.

July 9–13

9 a.m. to 4 p.m.

\$170 members; \$185 nonmembers

PlantLab

Simon Warren and Katherine Golden

Butterfly House Adventures (BH) **NEW**

For ages 6 to 12. Explore the magnificent world of bugs and butterflies and learn about plant and animal relationships through Butterfly House Adventures. Each class includes a take-home craft and time for families to connect with nature. Price per child, per class. One adult per child. Younger siblings may attend at regular admission rates.

10 to 11 a.m.

\$12 members; \$15 nonmembers

Lopata Learning Lab

Maria Russell

Tropical Adventure: A World of Color

Walk with us through the Tropical Conservatory and learn how insects use color to communicate and camouflage in their environment. We will take a short hike outdoors to scout for organic materials to design a nature-made Mardi Gras butterfly mask!

Sunday, March 18

Garden Adventure: Pests and Pals

Dig into the dirt in our garden and learn all about the different bugs there and how they can help and hurt our plants. Practice some good garden skills and be sure to stop by the Pollinator Plant Sale this weekend! Students will build their own kitchen composting bin to take home.

Sunday, April 15

Field Adventure: Focus on Pollinators

Explore Faust Park with the Butterfly House and learn about the special role pollinators play in the natural world. We'll get up close with magnifying glasses and binoculars on our search for pollinators. We will also learn to make "seed bombs" to grow plants for our pollinator friends.

Sunday, May 20

Backyard Adventure: Catching Fireflies

Summer is firefly season! Learn how fireflies communicate with bioluminescence and explore the life history of these amazing creatures. Students will make their own bug viewer to catch, watch, and release fireflies at home.

Sunday, June 24

Wetland Adventure: Water Bugs

Make a splash by diving into the hidden world of aquatic insects. Students will learn to identify a few common aquatic insects and discover their important roles in the environment. Take a break from summer's heat by getting wet and wild with water bugs.

Sunday, July 22

Great Green Adventures (MBG)

For ages 6 to 12. Sign up now or just drop in to explore a special area of the Garden. Price per child, per class. One adult per three children.

Younger siblings may attend.

10:30 to 11:30 a.m.

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

Free for members; \$3 plus

admission for nonmembers

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

Kelly Wehrheim

Spectacular Spring

Join us as we search the Garden for the first signs of spring.

Saturday, March 17

Getting to Know Trees

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

Saturday, April 21

Around the Pond

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

Saturday, May 19

How Does Your Garden Grow?

Join us as we explore the vegetable and fruit gardens to learn what it takes for these plants to grow and produce the food we eat.

Saturday, June 16

Perfect Pollinators

Join us as we search for bees, butterflies, and other pollinators and help celebrate their important role in the Garden.

Saturday, July 21

Wonderful Water Lilies

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

Saturday, August 18

Budding Artist Workshop (MBG)

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

1 to 3 p.m.

\$20 members; \$24 nonmembers

Kelly Wehrheim

Sun Print Journal

This spring, we'll make a journal using the sun to help create our cover. Then we'll use our journals in the Garden to make some new discoveries.

Sunday, March 25

PlantLab and Garden grounds

Collection Bag and Journal

This summer, we'll make a collection bag that contains a journal.

Sunday, June 10

Botanical Room and Garden grounds



Youth and Family continued...

Budding Scientist (MBG)

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

Free for members; \$3 plus

admission for nonmembers

Meet at Spoeher Plaza between

**Latzer Fountain and the Tram Shelter
Kelly Wehrheim**

Cherry Blossom Blitz

Join us as we explore the Garden for signs of spring and gather data for the Cherry Blossom Blitz with Project BudBurst. Friday, March 9, 16, or 23; or April 13, 20, or 27 10 to 11:30 a.m. or 1 to 2:30 p.m.

Summer Solstice Snapshot

Join us as we celebrate summer by observing the plants flowering and fruiting at the Garden. We'll gather data for the Summer Solstice Snapshot with Project BudBurst. Friday, June 8, 22; or July 6 or 20 10 to 11:30 a.m.

Celebrate Urban Birds

Join us as we celebrate birds and learn about this Citizen Science project from Cornell Lab of Ornithology. Friday, June 15, 29; or July 13 or 27 10 to 11:30 a.m.

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 (314) 577-0888, extension 2.

8:30 a.m. to noon

\$100 members; \$120 nonmembers

Meet at the BH ticket counter

Chris Hartley and Tad Yankoski

FAMILY PROGRAMMING

Spring Fling Weekends (BH)

Join us at the Butterfly House on weekends during April and May as we host a variety of activities that celebrate pollinators, native plants, and all things that make spring so wonderful.

Bookworm Brunch:

Featuring Rainbow Fish **NEW**

April showers bring....RAINBOWS to the Butterfly House! Rainbow Fish will be making a splash as we read a story, eat yummy food, and learn about awesome aquatic animals through crafts and activities. Guests will even get a chance to take a photo with the adorable Rainbow Fish. Price per person.

Sunday, April 22

9 to 10:30 a.m.

or noon to 1:30 p.m.

\$15 members; \$20 nonmembers;
ages 12 months and under are free

Emerson Lakeside Terrace
Butterfly House staff



Fancy Tea with Mommy and Me

We are feeling fancy at the Sophia M. Sachs Butterfly House! Join us for a tea party to celebrate mommies, grammies, and aunties! We'll be eating tasty treats and sipping on delightful drinks! No party would be complete without some fabulous take-home favors. Learn about our beautiful and fancy butterflies at this "can't miss" party. Price per person.

Sunday, May 6

10 to 11:30 a.m.

or 1 to 2:30 p.m.

\$15 members; \$20 nonmembers;
ages 12 months and under are free

Emerson Lakeside Terrace
Butterfly House staff

Summer Buggin' (BH)

We are "buggin' out" at the Butterfly House this summer! Join us as we host a variety of activities that celebrate these amazing creatures. Get the wiggles out and the ants out of your pants during Summer Buggin'! Join us to learn about bees, ladybugs, fireflies, and of course BUTTERFLIES through interactive exploration and live animal encounters.

Summer Buggin' Nights (BH) **NEW**

Experience the Butterfly House after hours with our new Summer Buggin' Nights! Enjoy the sounds of summer with our entomologists as you hunt for bugs, learn about fireflies, listen to music, and more! Food and beverages will be available for purchase.

9 Fridays

July 6, 13, 20, 27; August 3, 10, 17, 24, 31 4 to 7 p.m.

Free for members; included with admission for nonmembers

**Meet at the BH ticket counter
Butterfly House staff**

Bookworm Brunch:

Featuring Curious George (BH)

We are going to be "monkeying around" with Curious George at the Butterfly House! Join us as we read *Curious George Plants a Tree*, make fun crafts, fill our tummies, plant a seed to take home, and get photos with the guest of honor. The day wouldn't be complete without visiting the butterflies in the Tropical Conservatory. Price per person.

Saturday, July 7

9 to 10:30 a.m.

or noon to 1:30 p.m.

\$15 members; \$20 nonmembers;
ages 12 months and under are free

Emerson Lakeside Terrace
Butterfly House staff

Butterfly House Birthday

Bash (BH) **NEW**

The Butterfly House turns 20 this year, and we want to celebrate with you! Did you know we collect fruit for our butterflies throughout the year, averaging over 1,500 pounds of fruit each year? For our birthday, you can donate to our "Pennies for Produce" birthday drive! You can also donate gift cards from local grocery stores for our staff to buy food for all our insects and animals! We'll have games, crafts, music, and more to help celebrate this Birthday Bash.

Saturday, July 14

10 a.m. to 3 p.m.

Free for members; included with admission for nonmembers; ages 2 and under are free

**Meet at the BH ticket counter
Butterfly House staff**

did you know?

**Members always
receive discounted
prices on classes.**

Become a member today!

**(314) 577-5118
membership@mobot.org
mobot.org/membership**

Nature Navigators (SNR)

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

Blue Moon Full Moon Night Hike for Families

Join us for this special viewing of the blue moon during a 2-hour stroll through evening and into the early night. The sun will start to set as the hike starts, but the full moon should provide all the light needed to enjoy the sights, sounds, and smells of a spring evening at the Nature Reserve. Participants will play a series of sensory-based games that test the senses. All else excluded, the sight of a full moon rising over the Reserve makes the journey worth the time spent. Price per person.

Friday, March 30
7 to 9 p.m.

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

Kids First Time Fishing

Fishing is not normally allowed at Shaw Nature Reserve, but the Missouri Department of Conservation is teaming up with the Nature Reserve to provide a special fishing experience for first-time or young anglers (6 to 12 years old) wanting more experience. Equipment, bait, and assistance will be provided. Fishing is for kids only. A parent or guardian must be present. Kids can choose to catch and release or watch fish-filleting demonstrations and eat their fried fish or take it home. Refreshments provided. Price per child. One adult per child.
Saturday, June 2
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

Dig in! Have Fun with Soil

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

Thursday June 7

9:30 to 11:30 a.m.

\$7 members; \$9 nonmembers
Carriage House
Ross Braun

Geocaching

You will learn navigation basics, how to use a GPS, what geocaching is, and practice finding a cache before going out on the trail to find the eight hidden caches. Price per person.
Friday, June 22
9:30 to 11:30 a.m.
\$7 members; \$9 nonmembers
Follow the signs from the entrance
Rachel Weller

Shaw Family Adventures (SNR)

For families with children 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. Price per child. One adult per child.

9:30 to 11:30 a.m.

\$7 members; \$9 nonmembers
Carriage House
Shaw Nature Reserve staff

Stories with STEAM:

The Three Little Pigs

Join us for this spring break class. STEAM challenge is based on a favorite storybook and designed to engage your child to be a creative thinker and problem solver.
Tuesday, March 13

Clover Celebration

Celebrate St. Patrick's Day by spending the morning at Shaw Nature Reserve. We will hike to find shamrocks, build a home for a leprechaun, enjoy a sweet treat from the trees, and find nature's treasure to hide.
Friday, March 16

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 27

Polliwogs and Popsicles

We'll take a hike to see what we can spy, use nets to explore what's in the water, make a craft, hear a story, enjoy a popsicle, and play games along the way.
Friday, May 18

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).
Wednesday, June 20,
Friday, June 22
or Wednesday, June 27

Wilderness Wagon Ride

Hear a story, climb aboard the wagon to search for signs of summer during your scavenger hunt ride, explore at two short stops, and enjoy a cool treat.
Friday, July 13 or 27

Flashlight Night Hike

We'll read a story, play a game, make a craft, and take a hike in the evening using flashlights to find items from our story.
Friday, August 3 or 17

Spring Peeper Musical (SNR)

The Nature Reserve's wetland attracts thousands of frogs and toads during the mating season. The thunderous chorus must be heard to be believed! We will explore a .25 mile of the wetland trail with flashlights to see all these animals, learn the calls and how to identify the different species, and enjoy an evening at the wetland. Pay on arrival and make sure to provide your phone number so we can contact you at peak chorus. Expected time frame is start of February to end of March. Price per person.
Fridays, when the peepers are at full chorus
7 to 9 p.m.
Register before March 5
\$3 members; \$5 nonmembers
Meet at the SNR Visitor Center
Rachel Weller

Lightning Bug Night Hike (SNR)

For families with kids of all ages. Climb aboard 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 (trail is stroller friendly). Seeing their numerous lights dancing around the wetlands below is a rare treat. We'll play a game, eat a cool treat, and learn about these magnificent creatures before our hike back down to the wagon. Price per person.
Friday, June 8
8 to 9:30 p.m.
\$10 members; \$12 nonmembers;
siblings age 2 and under are free.
Meet at the SNR Visitor Center
Rachel Weller

A Dish for Dad (MBG) **NEW**

For kids ages 8 and up. Are you looking for a fun and interesting project to do with Dad this summer? Need a unique birthday or Father's Day gift idea? Moms can take the day off and send the family to the Garden. Join us as we explore the wonderful world of succulents. Each child will create a unique succulent dish garden to take home. Price per child. One adult per child.
Thursday, June 14
6 to 7:30 p.m.
\$30 members; \$36 nonmembers
Botanical Room
Sharon Lloyd

Creek Stomp (SNR)

Grab your creek shoes and come explore Brush Creek with us! We will see what kinds of critters live in the creek. Prepare to walk .75 of a mile (round trip).
Wednesday, June 27
9:30 to 11:30 a.m.
\$7 members; \$9 nonmembers
Price per child. One adult per child.
Carriage House
Karen Bryan

World of Worms (MBG)

For families with kids of all ages. Discover the world of worms and how worms can be used to help your family reduce waste and grow greener gardens! We'll start off by reading a wonderful worm story, investigate a working worm bin, and end with a family project to build your family's own worm bin. Price per child. One adult per child.
Sunday, August 5
10 to 11:30 a.m.
\$20 members; \$25 nonmembers
PlantLab
Kat Golden, EarthWays Center staff

SPECIAL EVENTS

MISSOURI BOTANICAL GARDEN

2018 Events

Orchid Show	Feb. 3–Mar. 25
Orchid Nights	Feb. 8 and 22, Mar. 8 and 22
Black History Celebration	Feb. 18
Sake and Sakura NEW	Apr. 7
Children's Garden	
Opening Weekend	Apr. 7–8
Meet Me Outdoors in St. Louis	Apr. 7–8
Chinese Culture Days	Apr. 21–22
Tulip Trot	Apr. 29
Grapes in the Garden	May 11
Fest-of-Ale	May 18
Whitaker Music Festival	Wednesday Nights May 23–Jul. 25
Flora Borealis NEW	Jun. 29–Aug. 26
Green Living Festival	Jun. 2
Henry Shaw's Birthday	Jul. 24
Run, Walk, Stretch!	Aug. 19
Japanese Festival	Sept. 1–3
Best of Missouri Market	Oct. 5–7
Spirits in the Garden	Oct. 26
Garden Glow and	
Gardenland Express	Nov. 17–Jan. 1, 2019

Visit mobot.org/events for updates and information about special, one-time events!

Science and Sustainability Open House (MBG)

Two of the Garden's behind-the-scenes areas will be open to the public. Meet our scientists at the Monsanto Research Center. Learn how they collect, study, and conserve plants; tour our 7-million-specimen herbarium; and visit the Peter H. Raven Library, one of the most comprehensive libraries of botanical literature in the world, including more than 6,500 rare books. You can also learn about the Garden's community sustainability programs by joining EarthWays Center staff at the Commerce Bank Center for Science Education. Meet the team that educates and connects people to 20+ programs in the community. Get tips on building energy efficiency and find out more about our environmental classes and programs for schools, businesses, individuals, and families. The two locations are across the street from each other, just a couple of blocks west of the main Garden entrance. Saturday–Sunday, March 3–4 1 to 4 p.m.

Free for members and nonmembers
Commerce Bank Center for Science
Education and Monsanto Center

Sake and Sakura (MBG) **NEW**

Celebrate the beauty of spring and the season of *hanami* by sipping sake under the cherry blossoms (*sakura*) in the Japanese Garden (*Seiwa-en*). Specialists will be on hand to guide your sake sampling adventure. Attendees will receive a souvenir tasting cup and will have the rare opportunity to explore Teahouse Island. Japanese food will be available for purchase. Saturday, April 7 5:30–8 p.m.

\$20 members; \$25 nonmembers

Green Living Festival (MBG)

Join us at our annual Green Living Festival—newly refreshed this year to inspire you to learn to live green where you live, learn, work, and play! Celebrate sustainable living and get expert tips on recycling, energy efficiency, naturescaping and native gardens, renewable energy systems, and more! Bring your home and lifestyle 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 diverse presentations and demos about the many ways that plants, air, water, soil, and energy sustain our homes, lives, and the planet. Savor local foods and beverages at this fun, family-friendly event. Saturday, June 2 9 a.m. to 4 p.m.

Free for members; included with admission for nonmembers; free for St. Louis city or county residents before noon

SUMMER 2018 SPECIAL EXHIBIT:

Flora Borealis (MBG) **NEW**

Visit the Missouri Botanical Garden in 2018 for a nighttime multimedia experience! By day, a botanical garden is a place of beauty, relaxation, education, and family enjoyment. But by night, a botanical garden becomes a wondrous place of mystery and dreams. Colors change. Shadows create illusions. Under the moonlight and starshine, another world comes to life. Flora Borealis creates a continuous path of interactive destinations with lighting and projections. Interpretive elements will highlight the wonders of the Garden at night.

Select nights June 29–August 26
More information to come; check mobot.org for updates

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, May 11
noon to 7 p.m. (members only)
and Saturday, May 12
9 a.m. to 4 p.m. (general public)
Follow the signs from the entrance

Daffodil Dash 5k Trail Run (SNR)

Join us for the fifth 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 1-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 mulch, gravel, and dirt surfaces. There will be two potential creek crossings depending on the weather. Trails will be marked with signs, 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 the Shaw Nature Reserve. Stick around after the run to enjoy many other outdoor adventures such as kayaking and Canopy Climb as we kick off the Meet Me Outdoors in St. Louis event!

Saturday, April 7
9 to 10 a.m.
\$20 members; \$24 nonmembers
Follow the signs from the entrance
Rachel Weller

BUTTERFLY HOUSE

Morpho Mardi Gras (BH)

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

February 1–March 31

Closed Mondays
10 a.m. to 4 p.m.

Free for members; included with admission for nonmembers

Meet at the BH ticket counter
Butterfly House staff



Pollinator Plant Sale

Don't miss our pollinator plant sale! The horticulture experts at the Butterfly House will help you plan your pollinator garden. We will have a wide variety of native plants that benefit butterflies, bees, and other native pollinators. All plant sale proceeds benefit Project Pollinator, our community gardening initiative.

6 Saturdays and Sundays
April 7, 8, 14, 15, 21, 22
11 a.m. to 3 p.m.

Free for members; included with admission for nonmembers
Emerson Lakeside Terrace
Butterfly House staff

ST. LOUIS YOUTH MASTER GARDENER PROGRAM



Students ages 9–13 are invited to join the St. Louis Youth Master Gardener Program at Queeny Park for a hands-on program that will foster a love of gardening, develop an appreciation of the environment, and cultivate science, math, and creative problem solving skills. This six-week program will introduce students to horticulture and botany through planting projects and inquiry-based experiments.

6 Saturdays: April 7, 14, 21, 28; May 5, 12
10 a.m. to noon
\$60 per child
St. Louis County Parks—Queeny Park
(1675 South Mason Road,
Town & Country MO 63131)

A partnership with St. Louis County Parks, St. Louis County Parks Foundation, University of Missouri Extension, St. Louis Master Gardeners, and the Missouri Botanical Garden.
Pre-registration required.

To register or for more information,
please contact:
DPfeiffer@stlouisco.com
(314) 615-8481
<http://www.stlouisco.com/ParksandRecreation/ChildrensFun/JuniorMasterGardener>

CONNECTING SCOUTS TO NATURE

Programs and Workshops



Explore the world of insects, go for a hike,
or get your hands dirty planting a seed!

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

Programs are aligned with badge and award requirements.

- Programs for Troops
- Badge Workshops for Individual Scouts
- Scout Night at the Missouri Botanical Garden (April 13)
- Scout Day at Shaw Nature Reserve (May 19)
- Merit Badge Skill Centers for Boy Scouts
- Overnights at the Missouri Botanical Garden and Shaw Nature Reserve

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

CLASS INFORMATION/POLICIES

PLEASE BE SURE TO CHECK THE LOCATION OF YOUR CLASSES.

Location of Classes:

Site maps are available at 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 mobot.org/classes within each individual class listing.

Memberships:

Garden Memberships are non-transferable; Member's price may be used by the member whose name appears on card and those residing in the Member's household only.

Wait List:

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

Age Restrictions:

Adult Education classes are designed for individuals ages 18 and up, unless otherwise noted in description.

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.

Accessibility

For Braille and large print handouts, or additional accommodations, please call (314) 577-5140 at least 2 weeks prior to the date of the class. We will do our best to meet your needs. mobot.org/accessibility

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 other locations in perpetuity.

Cancellations/Refunds:

- Please contact classes@mobot.org or call (314) 577-9506 for cancellations one week prior to class date. A full refund, minus a \$5 processing fee, will be issued. Refunds cannot be issued for missed classes or cancellations less than one week prior to class.
- 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

(314) 577-9526

Butterfly House classes

(314) 577-0888

Missouri Botanical Garden classes

(314) 577-9506

REGISTRATION FORM

Name: _____ Gender*: _____

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

Address: _____ City/State/Zip: _____

Home Phone: _____ Work Phone: _____

Email: _____

** Gender information needed only for overnight programs.*

Course Name	Attendee	Location	Date	Fee

PAYMENT OPTIONS (please check one):

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

Missouri Botanical Garden Member ID: _____

Payment Method: ☐ Check ☐ Visa ☐ MasterCard ☐ Discover

Card #: _____

Exp: _____ 3-Digit Verification Code: _____

Signature: _____

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

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



Give the gift of knowledge!

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

CLASSES ARE

ALSO OFFERED AT:

Commerce Bank Center
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