



MISSOURI
BOTANICAL
GARDEN



SOPHIA M. SACHS
BUTTERFLY
HOUSE



SHAW
NATURE
RESERVE



Learn + Discover

classes for adults, youth + family

Fall–Winter 2019/2020 | September–February | mobot.org/classes

Registration
Begins
August 1
9 a.m.

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!

And you thought you were just signing up for a fun class.

Whether you visit one of our three St. Louis area locations 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

SITE CODES

MBG: Missouri Botanical Garden

SNR: Shaw Nature Reserve

BH: Sophia M. Sachs Butterfly House

off-site: check class listing

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**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.

ADULT CLASSES

DIY CRAFTS

All materials are provided and no prior experience is necessary unless otherwise noted.
Price per person, per class.

An Evening of Wine and Painting (SNR)

For ages 21 and up. You and your friends are formally invited to Shaw Nature Reserve to enjoy an evening of wine and painting. This class is geared toward beginners ready to explore their artistic side. Follow along with an instructor to create a masterpiece of your own! All painting supplies, wine, cheese, and crackers will be provided.

Wednesday, September 25

Carriage House

or **Wednesday, December 4**

Adlyne Freund Center

6 to 8 p.m.

\$38 members; \$45 nonmembers

Bailie Kleekamp



Paint and Sip: An Evening of Wine and Painting (BH)

For ages 21 and up. You and your friends are formally invited to enjoy a fun evening of wine, food, and painting. Follow along with an instructor to learn how to paint a colorful butterfly on canvas! All painting supplies, two glasses of wine per person, and hors d'oeuvres provided.

Thursday, October 24

6:30 to 8:30 p.m.

\$45 members; \$54 nonmembers

Exhibit Hallway

Maggie Farrell

Gourd Crafting (SNR)

Create a wonderful bowl, vase, birdhouse, or conversation piece to decorate your home. This is the season to harvest gourds, and each will have its own unique shape and size. You can use a wood burning tool to trace shapes or paint to create your design.

Thursday, September 5

10 a.m. to noon

\$20 members; \$24 nonmembers

Carriage House

Rachel Weller

DIY Mosaic Stepping Stone (MBG)

Learn to use broken plates and forgotten tiles to create a beautiful DIY mosaic! Perennial will guide you through each step from cutting tile to mixing concrete for your mosaic. Each participant will create a unique concrete stepping stone, cast in an upcycled baking pan that you can reuse for future stepping stones, to take home to their outdoor spaces.

Saturday, September 21

1 to 4 p.m.

\$47 members; \$57 nonmembers

Commerce Bank Center for

Science Education, Room 125

Perennial staff

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, Perennial Founder and artist, will discuss the proper method for drying herbs. Afterward, the class will build their own herb drying rack from reclaimed materials. Participants will learn basic hand tool knowledge, including sawing, drilling, and wood finishing.

Thursday, September 26

7 to 9 p.m.

\$42 members; \$51 nonmembers

Commerce Bank Center for

Science Education, Room 126

Perennial staff

Soapmaking 101 (BH)

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

Saturday, October 5

2 to 3:30 p.m.

\$60 members; \$72 nonmembers

Lopata Learning Lab

Heather Granger—

Peace, Love, Happy, Apothecary

**This Ain't Your Granny's Lye Soap—
Making Old-Fashioned Soap with
Modern Convenience (MBG)**

Come and learn how our pioneering relations made soap for washing and cleaning just about everything. Learn a little of the science behind soap making and many of the associated terms. Best of all learn to make soap with the great resources we have today as you make a batch from start to finish. Your takeaway will be one pound of soap, which will become four small bars that you and your family can use to see the nourishing benefits of handmade soap. Please note: Animal products may be used in some recipes. Please wear close-toe shoes.

Saturday, February 8

9 a.m. to 1 p.m.

\$60 members; \$72 nonmembers

Kemper Center for Home Gardening

Julie McCroskey

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 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. Makes a wonderful gift or an evening out with friends!

Monday, October 14

6 to 8 p.m.

\$38 members; \$44 nonmembers

PlantLab

Debra Jenkins

Homemade Bath Bombs (BH) NEW

Homemade Bath Bombs is an introductory workshop in which you will learn the basics of how to make bath bombs from scratch using natural ingredients and essential oils from the Chief Bath Bomb Specialists at Peace Love Happy Apothecary. This hands-on workshop will cover the basic ingredients, techniques, and tips to create your own fizzing bath bombs! Each participant will take home two bath bombs.

Saturday, December 7

2 to 3:30 p.m.

\$50 members; \$60 nonmembers

Lopata Learning Lab

Heather Granger—

Peace, Love, Happy, Apothecary

Fragrant Gifts (MBG)

Don't you love when you receive a unique, handmade gift? Learn to make one-of-a-kind gifts for holiday parties and gift giving using aromatherapy oils. You will learn the basics of safely mixing fragrances for room/pillow sprays, scrubs, lotions, bath salts/bombs, and candles and how to present them in a nice way. We will utilize oils that are reminiscent of the holiday season.

Monday, November 11

6 to 8 p.m.

\$38 members; \$44 nonmembers

PlantLab

Debra Jenkins

Basket Making 101:**Round Berry Basket (MBG) NEW**

Create a fun berry basket for harvesting or storing holiday cards. This round beginner basket is 8" round by 5" high with a 6.5" base. The basket uses several weaving techniques and a variety of reed sizes and types and is embellished with a cute swing handle. Tool list provided at registration.

Saturday, November 2

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

\$53 members; \$64 nonmembers

Garden Room

Stephanie Arnold

DIY Crafts continued...

Create a Journal:

Long-Stitch Bookbinding (MBG)

Learn the history behind this simple, yet beautiful, book structure seen in the Garden's collection. This basic book is easy for anyone to learn and repeat on your own. The class will begin with a short visit from the Garden's Conservator, Susan Cobbledick, who will show the Garden's sample of the book from their collection. The cover of your own long-stitch book can be decorated with stamped impressions in the leather. Be prepared to walk and stand during class.

Saturday, October 19

9 a.m. to noon

\$57 members; \$68 nonmembers

**Monsanto Center, Peter H. Raven Library
Joanne Kluba**

Think About Tables Workshop (SNR)

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

Saturday, October 19

or Saturday, November 9

or Saturday, February 8

9 a.m. to 3 p.m.

\$40 members; \$48 nonmembers

Follow the signs from the entrance

Dale Dufer

Create a Whimsical Yard Sculpture (MBG)

Add whimsy to your garden in this hands-on class. Be inspired by Jody's fun yet simple flower sculpture ideas to create your own 3-foot wire sculpture. Choose from brightly colored wire, beads, and buttons. Jody will show you easy-to-make, wire-wrapped beads to intersperse with buttons and glass beads! You will also learn wire weaving techniques for "color blocking" entire areas. Feel free to bring your own wire cutters and bead embellishments.

Tuesday, October 22

6 to 8 p.m.

\$38 members; \$46 nonmembers

Botanical Room

Jody Chassin

Living Pumpkin Arrangement (MBG)

Make a fall decoration with trendy succulents and a real pumpkin that's perfect for decorating from Halloween through the Thanksgiving holiday. Create a living arrangement without piercing the skin of your pumpkin with knives.

Thursday, October 24

5:30 to 7 p.m.

\$55 members; \$69 nonmembers

Botanical Room, Missouri Room

Sharon Lloyd

Discovering Kokedama (MBG)

Kokedama is Japanese for "moss ball" and has evolved from the ancient bonsai tradition of plant display. Join us as we create little hanging string gardens and learn about our Western adaptation of this technique. Dress for playing in the dirt and bring gardening gloves if you wish.

Saturday, October 26

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

\$35 members; \$42 nonmembers

Botanical Room

Suzanne Hirth

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. Fired and stained pieces will be ready for pick-up at the Kemper Center for Home Gardening after November 13. Please bring an apron or wear work clothes.

Monday, October 28

6 to 8 p.m.

\$40 members; \$48 nonmembers

Botanical Room

Mary Henderson

Weave Your Own Table Runner (MBG)

Learn how to weave this winter using hand-dyed textured cotton weft on hand-painted cotton warp. With a pre-warped loom, you will be ready to weave a 10" x 36" table runner during class. Learn the Brooks Bouquet weave, a new technique for students who have woven or beginners. Bring a snack if you like.

Saturday, November 2

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

\$80 members; \$96 nonmembers

Botanical Room

Jill Kettler

**Wish Upon an Origami Star (MBG)**

Origami 3-D stars are so versatile for the holidays from crafting garland to filling attractive bowls to making minis for jewelry. Jody will demonstrate the technique and help you perfect it on practice paper and start using your favorite recycled wrap paper or festive decorative paper. She will provide a rich assortment of pretty, holiday-appropriate paper strips ready to be folded and transformed into beautiful stars of all sizes plus tips on using your stars. All materials provided to make four stars in class plus take-home directions and instructions to make many more at home. Instructions for recycled paper available with your registration.

Tuesday, November 5

6 to 8 p.m.

\$38 members; \$46 nonmembers

Missouri Room

Jody Chassin

Nature-Inspired Wreaths (off-site)

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

Saturday, November 9

10 to 11:30 a.m.

\$40 members; \$48 nonmembers

Greenscape Gardens

**(2832 Barrett Station Rd.,
Ballwin, MO 63021)**

Greenscape Gardens staff

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 of a bird. The possibilities for creative embellishments and accessories are endless.

Saturday, November 9

9 a.m. to noon

\$44 members; \$53 nonmembers

Garden Room

Suzanne Hirth

Wine Bottle Reuse (MBG)

Do you have a hard time recycling beautiful glass bottles? Learn 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, November 9

noon to 3 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for

Science Education, Room 125

Perennial staff

DIY Crafts continued...

Soldered Jewelry (MBG)

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

Saturday, November 16

10 a.m. to 1 p.m.

\$50 members; \$60 nonmembers

Commerce Bank Center for

Science Education, Room 126

Perennial staff

Gardens in Miniature:

Fairy Gardening (MBG)

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

Monday, November 18

5:30 to 7 p.m.

\$55 members; \$69 nonmembers

Missouri Room

Sharon Lloyd

Holiday Wreaths from Natural Materials (SNR)

Enjoy the fireside as you make a beautiful holiday wreath of fresh greens and other natural materials from Shaw Nature Reserve to take home. You will learn a basic weaving technique to create your wreath.

Thursday, December 5

10 a.m. to noon

or 1 to 3 p.m.

\$40 members; \$48 nonmembers

Adlyne Freund Center

Rachel Weller

A "Greener" Holiday Wreath (MBG)

It's a seasonal tradition. Create a beautiful 20" holiday wreath with a base of evergreens gathered from Shaw Nature Reserve with natural accents collected from Garden and other local sources. No experience necessary, but some hand strength required. Please bring pruning shears, gloves, and any accents you would like to add.

Friday, December 6

Missouri Room

or Saturday, December 7

Beaumont Room

10 a.m. to noon

\$45 members; \$54 nonmembers

Tammy Palmier

Nature Ornaments (MBG) *NEW*

Start a new holiday tradition! Using dried materials collected locally and upcycled materials, craft four ornaments at creativity stations and be inspired with many more ideas. Acorns, fresh evergreens, dried flowers, and gourds are just a few of the materials that will be available to make your ornaments. Come join the fun this holiday season. You are welcome to embellish with your own supplies and bring hand pruners.

Tuesday, December 10

10 to 11:30 a.m.

\$31 members; \$37 nonmembers

Beaumont Room

Tammy Palmier

Evergreen Holiday Door Swag (BH) *NEW*

Create a 12" fresh evergreen door swag using your choice of materials, such as evergreen boughs and juniper berries as well as natural accents like pine cones, pods, and more! Feel free to bring any additional accents you would like such as ribbons or ornaments.

Wednesday, December 11

10 to 11:30 a.m.

\$48 members; \$58 nonmembers

Lopata Learning Lab

Sharon Lloyd



Hostess Gift Workshop: Succulents (MBG) **NEW**

Looking for a unique hostess gift this holiday season? Then this is the class for you. Choose from a variety of small containers and make three beautiful potted succulent arrangements your friends and family will love!

Thursday, December 12
10 to 11 a.m.

\$35 members; \$42 nonmembers
Botanical and Missouri Room
Sharon Lloyd

Felted Acorns (SNR) **NEW**

Create your own unique felted acorns to take home. They make a perfect centerpiece or gift that can be used in fall and winter decor. We'll begin with a demonstration followed by time to create with instructor support. You will learn about the different types of oaks growing at Shaw Nature Reserve and how to create the small wool balls to place inside the acorns caps.

Saturday, January 11

9:30 a.m. to noon

\$15 members; \$18 nonmembers
Adlyne Freund Center
Helen McCallie

Knit Rag Rugs (MBG)

Making rag rugs has been a tradition for many years. Originally, it was a way of getting one last use out of unwearable clothing. In the spirit of recycling we will be learning ways to make discarded fabric into strips and how to knit those strips into accent pieces for our homes.

Saturday, January 11

10 a.m. to noon

\$38 members; \$44 nonmembers
Missouri Room
Suzanne Hirth

Weave Your Own Scarf (MBG)

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

Saturday, January 18 (snow 1/25)

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

\$80 members; \$96 nonmembers
Garden Room
Jill Kettler

Eco-Friendly Furniture Restoration (MBG)

In this demonstration and talk, Perennial's woodshop specialist will share with you some of the organization's tips and tricks to finding furniture, repairing joints, and refinishing surfaces, all with the Earth in mind! You'll get info about where to discover the best "trash" in St. Louis. We'll leak some of Perennial's favorite spots to find discarded furniture, give you insight into the city's bulk trash system, and link you to online resources where someone else's trash can become your treasure.

Through hands-on demonstrations, you'll learn about natural paints, stains, and waxes. Learn to add a pop of color to your projects with milk paint, mix and apply a fresh coat of Perennial's signature wood wax, and cook up natural stain from walnuts. You'll leave this workshop with the knowledge to add a whole new look to your furniture without harming the environment or compromising your health.

Thursday, January 30

7 to 9 p.m.

\$37 members; \$45 nonmembers
Commerce Bank Center for
Science Education, Room 126
Perennial staff

WANT MORE LIKE THIS?
See Green Living classes
on pages 32–34.

DIY Crafts continued...

Terrariums: Greening Your Cube (MBG)

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

Tuesday, November 5

or Thursday, February 6

5:30 to 7 p.m.

\$55 members; \$69 nonmembers

Botanical Room

Sharon Lloyd

No-Sew Braided Rug (MBG) *NEW*

Nothing makes a space more comfy and fun than a traditional and colorful braided rag rug. In this class you will learn a simple and easy way to take unwearable t-shirts and create a round throw rug. No sewing—just braiding! Once you get your rug started in class you'll be able to work on it at home and make it as big and bright as you wish.

Saturday, February 8

9 to 11 a.m.

\$38 members; \$44 nonmembers

Missouri Room

Suzanne Hirth

Introduction to Batik Wax Resist (MBG)

Learn the ancient art of batik while experimenting with natural dyes! With batik, melted beeswax is used to create a resist pattern on fabric, which can then be overdyed, leaving the parts covered in wax undisturbed while the rest of the fabric is colored. Participants will experiment with various tools and techniques for creating pattern on salvaged fabric, including *tjanting* tools, metal stamps, and brushed wax. Then everyone will learn to work with a natural indigo dye bath to create a beautiful and unique piece of fabric. Please note: Additional work will be required outside of class to remove wax from the fabric after it has dried.

Wednesday, February 12

7 to 9 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for

Science Education, Room 126

Perennial staff

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 Shultz 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, February 15

9 to 11 a.m.

\$33 members; \$39 nonmembers

Missouri Room

Brittany Shultz

Amigurumi 101 (SNR) *NEW*

For intermediate to advanced crocheters. Get involved with the amigurumi craze and learn how to make a unique crocheted gift inspired by nature for your family and friends! A pattern will be provided so that the experienced crocheter will be able to create either a cactus, ladybug, raccoon, bunny, or bear by the end of the day. Tips and ideas for other projects will be shared as well. Supply list provided at registration.

Saturday, February 22

9 a.m. to 3 p.m.

\$30 members; \$36 nonmembers

Adlyne Freund Center

Linda Brown

All materials are provided unless otherwise noted. Price per person, per class.

Art Forms in Nature (MBG)

All levels. Leonardo da Vinci said, "Study the science of art. Study the art of science." From Ernst Haeckel's early lithographs of new species to Maria Sibylla Merian's illustrative documentation of metamorphosis, the convergence of science and art has never been more apparent. This class will begin with a brief history about some of the many inspiring artists who were also scientists. Through demonstrations and hands-on exercises, students will explore basic drawing and watercolor techniques, study and sketch live specimens from the garden, and use their newly learned skills to generate scientific illustrations. A final critique will round out the course. Come prepared for a short walk in the Garden.

Saturday, September 21

9:30 a.m. to 12:30 p.m.

\$52 members; \$62 nonmembers

PlantLab

Emily Dustman

Exploring Fall through Nature Journaling (SNR) **NEW**

For ages 18 and older. Do you enjoy the changing of the seasons? Would you like to spend a little more time just soaking in the experiences of fall? If yes, then come explore the art of nature journaling to help you record the dynamic happenings of fall. We will begin inside with an interactive presentation exploring a variety of techniques to record the world around you. We will then move outside to put those techniques to work. No artistic skill is required. This class is for both beginners and those who would like to increase their skills of observation through writing and quick sketches. Class will meet indoors in case of inclement weather. Supply list provided at registration.

Thursday, October 24

9:30 a.m. to noon

\$25 members; \$30 nonmembers

Carriage House

Angie Jungbluth

Watercolor Interpretations (MBG) **NEW**

Intermediate. Artists are concerned with more than merely reproducing a subject. The difficulty is seeing and reaching beyond the obvious and transforming your work from literal interpretation to an imaginative one. Through simple sketches to expressive paintings, you will learn to "speak" with your brushes, design with value, and enhance with color. No basic watercolor skills taught. Supply list provided at registration.

8 Fridays: September 6, 13, 20, 27;

October 4, 11, 18, 25

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Price per person, per 8-session class

Kemper Center for Home Gardening

Judy Seyfert

Watercolor: Painting and Drawing Simplified (MBG) **NEW**

Beginner Intermediate. The fundamentals of a good painting are drawing, composition, value, color, and technique. Drawing often is the part that intimidates student artists the most or that they like the least. Most of us just want to paint. But painting is easier when artists know how to draw. This class combines all the fundamentals with a special emphasis on drawing. Supply list provided at registration.

6 Mondays: September 9, 16, 23, 30;

October 7, 14

6:30 to 9 p.m.

\$135 members; \$162 nonmembers

Price per person, per 6-session class

Missouri Room

Judy Seyfert

Fine Arts continued...

**Garden in Watercolor (MBG)**

Beginner/Intermediate. 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.

Supply list provided at registration.

8 Tuesdays: September 10, 17, 24;

October 1, 8, 15, 22, 29

9:30 a.m. to noon

\$180 members; \$210 nonmembers

Price per person, per 8-session class

Missouri Room, except 10 8 PlantLab

Mary Dee Schmidt

Plein Air Watercolor Workshop (SNR)

All levels. Enjoy *plein air* watercolor painting in the Whitmire Wildflower Garden with watercolor artist Theresa Long. *Plein air* is a French term defined as painting done outside while directly observing the landscape. We'll begin with a demonstration, followed by independent painting with instructor support. For those wanting to paint indoors from botanical specimens chosen from the garden, classroom space will be available. Sessions will wrap up each day with discussion of progress, questions, and insights. Supply list provided at registration.

2 Wednesdays and 1 Tuesday:

September 11, 18, 24

9 a.m. to noon

\$100 members; \$120 nonmembers;

Price per person, per 3-session class

Carriage House

Theresa Long

Oil Painting in the Garden (MBG)

Intermediate. Vibrant colors, a forgiving medium, following the footsteps of masters, these are all descriptions used for painting in oils. Award-winning painter 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.

Supply list provided at registration.

6 Thursdays: September 12, 19, 26;

October 3, 10, 17

9:30 a.m. to noon

\$135 members; \$162 nonmembers

Price per person, per 6-session class

Garden Room

Tito Gay

Botanical Watercolor**Painting Workshop (SNR)**

All levels. Theresa Long, a botanical watercolor artist, offers this 3-day workshop focused on carefully observing botanical specimens selected from the Whitmire Wildflower Garden. Through close observation, learn to record textures, colors, and shapes with accuracy. This workshop includes painting flowering specimens as well as their related parts such as leaves, stems, seeds, and interior structures. Participants will learn to use measurement techniques along with dissection to identify accurate scale. Sessions will wrap up each day with discussion of progress, questions, and insights. Supply list provided at registration. Bring a sack lunch.

2 Tuesdays and 1 Thursday:

October 8, 10, 15

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

\$150 members; \$180 nonmembers

Price per person, per 3-session class

Carriage House

Theresa Long

Watercolor: ExperimentalLandscapes (MBG) **NEW**

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

5 Saturdays: October 12, 19, 26;

November 2, 9

9:30 a.m. to 12:15 p.m.

\$150 members; \$180 nonmembers

Price per person, per 5-session class

Missouri Room

Judy Seyfert

Watercolor Rescue: Anything Goes (MBG)

Lost interest and feeling uninspired about your art? Are you in an artistic slump?

Challenge yourself to make peace with your art and paintings. This is a unique class for water media artists to engage in a little "art therapy" to jump-start your creativity. It is also a time to bring in your problem paintings, and together we will try to pass the hurdles to fix them.

This class is for artists of all skill levels who have some watercolor experience.

Supply list provided at registration.

5 Fridays: January 3, 10, 17, 24, 31

10 a.m. to 1 p.m.

\$135 members; \$162 nonmembers

Price per person, per 5-session class

Commerce Bank Center for

Science Education, Room 125,

except 1/31 Room 126–127

Judy Seyfert

become a member

of the Missouri Botanical
Garden, Shaw Nature
Reserve, and Sophia M.
Sachs Butterfly House!

Members receive discounted
prices on classes, plus many
other benefits.

(314) 577-5118

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mobot.org/membership



PHOTOGRAPHY

GARDEN PHOTOGRAPHY

Fall in the Garden Photography (MBG)

All levels. During this photographic outing we will concentrate on the peak areas of the Garden. We will increase your understanding of lighting, color, and composition based on subject selection and apply them in the field. Participants should have a basic understanding of the camera and its key features. To gain camera knowledge, consider taking Photography Boot Camp I. Standard lenses are all you need. A polarizer is helpful, but not necessary.

Thursday, October 24

3:30 to 6 p.m.

\$35 members; \$42 nonmembers

Garden Room

Scott Avetta

Photographing Trees (MBG)

All levels. During this class we will concentrate on some of the Garden's many unique trees. At each tree, Scott will provide you with tips on the best ways to select and photograph the subject, be it the tree, leaves, branches, bark, or roots. He will discuss how to use the light, aperture, backgrounds, and your lens for a stronger image. Dress for the weather and be prepared to photograph outside.

Thursday, November 7

2 to 4:30 p.m.

\$35 members; \$42 nonmembers

Kemper Center for Home Gardening

Scott Avetta

Garden Party Lights: Nature Illuminated Photography (MBG) **NEW**

Intermediate. Influenced by the Garden's global reach, the summer exhibit, Garden Party Lights, celebrates the colors of the world in brilliantly lighted holograms 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.

Sunday, September 22

or Sunday, October 13

6 to 8 p.m.

\$35 members; \$42 nonmembers

Meet at the ticket counter

Scott Avetta



Capturing the Garden Glow: Basics (MBG)

Beginner Intermediate. Influenced by the Garden's global reach, Garden Glow will celebrate the holiday season with the colors of the world in brilliant light and interactive fun. With tips and tricks from your professional photography instructor, you will take wonderful photos of the Garden filled with light. Class fees include admission to the event after the 2.5-hour class with 1-hour non-public and 1.5-hour with public photo shoot. The use of a tripod is highly recommended.

Monday, December 2

4 to 6:30 p.m.

\$65 members; \$78 nonmembers

Meet at the ticket counter

Scott Avetta

Capturing the Garden Glow: Creativity (MBG)

All levels. Influenced by the Garden's global reach, Garden Glow will celebrate the holiday season with the colors of the world in brilliant light and interactive fun. We will take the next step and try some creative techniques to bring a whole new look to what we see. We will work with motion, blur, reflections, and point of view and expand our shooting opportunities. These will be photos that are unlike others you have taken at Garden Glow. Class fees include admission to the event after the 2.5-hour class with 1-hour non-public and 1.5-hour with public photo shoot. The use of a tripod is highly recommended.

Tuesday, December 3

or Monday, December 9

4 to 6:30 p.m.

\$65 members; \$78 nonmembers

Meet at the ticket counter

Scott Avetta

Telling a Photographic Story (MBG)

All levels. Are you putting together a photographic project, a vacation book, article, or event? Don't know where to start? Learn some of the photographic tricks of the trade and things to look for and include. It takes more than a few great shots to make a story. Scott Avetta will discuss how a series of photographs, vertical images, signage, photo placement, and creating an outline can all add to making a curated photographic statement.

Saturday, February 15 (snow 2/22)

10 a.m. to noon

\$28 members; \$34 nonmembers

Botanical Room

Scott Avetta

Behind the Scenes: Teahouse Island Photography (MBG)

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

Thursday, October 24

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

\$52 members; \$62 nonmembers

Meet at the ticket counter

Scott Avetta

Behind the Scenes: Orchid Show Photography (MBG)

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

Tuesday, February 18

or Tuesday, February 25

5:30 to 8 p.m.

\$52 members; \$62 nonmembers

Price per person, per 2-session class

Meet at the ticket counter

Scott Avetta

Photography Boot Camp I (MBG)

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

4 Tuesdays:

September 10, 17, 24; October 1

9:30 a.m. to noon

or 4 Wednesdays:

September 11, 18, 25; October 2

6:30 to 9 p.m.

\$140 members; \$168 nonmembers

Price per person, per 4-session class

Kemper Center for Home Gardening

Scott Avetta

Photography Boot Camp II (MBG)

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. He will emphasize making the most of the outside photo shoots and increase your understanding of what lens to use based on the light and conditions. Space is limited so Scott can spend individual time with each photographer during photo shoots.

3 Tuesdays: October 8, 15, 22

9:30 a.m. to noon

or 3 Wednesdays: October 9, 16, 23

5:30 to 8 p.m.

\$90 members; \$108 nonmembers

Price per person, per 3-session class

Kemper Center for Home Gardening

Scott Avetta

Photography continued...

Photography Boot Camp III (MBG)
Beginner/Intermediate. In this multi-session class, Scott Avetta will focus on how the late fall season creates unique photo opportunities with its great light. 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. You do not need to take Photography Boot Camp I or II to take this class.

3 Tuesdays: October 29; November 5, 12
9:30 a.m. to noon

\$90 members; \$108 nonmembers

Price per person, per 3-session class
Kemper Center for Home Gardening
Scott Avetta

Close-Up Photography (MBG)

Intermediate. Learn some of the difficulties and joys of close-up photography. We will focus on sharpness, lighting, working the subject, and composition to improve them for stronger images. Small changes make a huge difference. Scott will lead a classroom discussion and then you will use the PlantLab to work on your craft. We will discuss subject selection, equipment, and how critical depth of field selection becomes. With inside subjects, wind will not be an issue. Participants should have a basic understanding of the camera and its key features. A tripod and cable release/remote are recommended. A macro lens is not required.

2 Mondays: October 28; November 4
6 to 8:30 p.m.

\$70 members; \$84 nonmembers

Price per person, per 2-session class
PlantLab
Scott Avetta

BUTTERFLY HOUSE PHOTOGRAPHY



Shutterbug Weekend Photography (BH) *NEW*

All levels. Enjoy an early, tranquil hour in our Tropical Conservatory before we open our doors to the public. Spend time on your own taking photos of our butterflies and plants. Tripods are allowed during this special time. Come be one of the few to take fabulous tripod photos of our butterflies in natural light.

9 to 10 a.m.

\$8 members; \$10 nonmembers
Conservatory
BH staff

on Fridays

Friday, September 13

or Friday, October 11

or Friday, November 8

or Friday, December 13

or Friday, February 14

on Saturdays

Saturday, October 26

or Saturday, December 21

on Sundays

Sunday, September 22

or Sunday, November 24

or Sunday, February 23

Insect Photography (BH)

Beginner/Intermediate. Photograph insects and arachnids not on display to the public! Use artificial lighting selected by professional photographer Scott Avetta to highlight these unique subjects indoors. Discuss camera settings for working with subjects in a controlled environment and apply this knowledge for truly unforgettable photos. Subjects may include praying mantises, beautiful beetles, tarantulas, and walking sticks. Tripod and remote cable release recommended.

Thursday, October 3

5:30 to 8 p.m.

\$43 members; \$51 nonmembers

Lopata Learning Lab

Scott Avetta

Butterfly Chrysalis Photography (BH)

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

Monday, November 11

9:30 a.m. to noon

\$43 members; \$51 nonmembers

Lopata Learning Lab

Scott Avetta

Butterfly House Photography (BH)

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

Monday, February 17

9:30 a.m. to noon

\$38 members; \$46 nonmembers

Conservatory

Scott Avetta

SHAW PHOTOGRAPHY**The Portrait and the Landscape: Picturing People (SNR)**

Beginner/Intermediate. Is there anything more exciting or exasperating than making a good portrait? People you know, people you don't know, on location, in the studio, when you travel, for serious or just for fun? Portraits are at the heart of photography, especially since we all take pictures of the people in our lives. In this fun, hands-on, full-day workshop, we'll learn to do it with more confidence and success. Join us for an action-packed day of photography and get ready to shoot your best portraits ever. Supply list provided at registration. Lunch provided.

Saturday, September 21

9 a.m. to 4 p.m.

\$130 members; \$156 nonmembers

Adlyne Freund Center

Robert George

Fall Landscape Photography (SNR)

All levels. Participants should have a basic working knowledge of their camera. Join photographer Scott Avetta with back road access to the fall beauty of Shaw Nature Reserve. This small group will hit the areas of greatest potential for the best fall color. At each location, Scott will provide tips on the scene, lighting, and composition. You will then begin photographing with one-on-one assistance from Scott. Come prepared for a 1-mile walk. The use of a tripod, cable release or remote, and polarizer is helpful.

Saturday, October 19

7 to 11 a.m.

\$55 members; \$66 nonmembers

Carriage House

Scott Avetta

Light + Discovery Workshop (SNR)

All levels. Light is our language. Direction, color, and quality of light impact images in powerful ways. Light + Discovery Photo Workshops enhance participants' understanding of light while exploring ways to deepen our perception of and connection to the subject. The workshop will be divided into two parts. Following Dan's presentation on light, workshop participants will be challenged with a series of photo exercises in the field. The second part of the workshop will include a presentation on methods to look and to see the subject on a level deeper than surface impressions. Again participants will continue with photography in the field applying concepts presented. The workshop includes 1 day of photography presentations, instruction, and shooting in the field. Participants should have a working knowledge of their camera and concepts such as aperture, ISO, and shutter speed. Lunch provided.

Saturday, November 9

9 a.m. to 4 p.m.

\$110 members; \$132 nonmembers

Carriage House

Dan Dreyfus

Scanning, Restoring, and Archiving Old Photographs (SNR)

All levels. This 1-day workshop with photographer Jeff Hirsch will teach participants how to preserve and restore old photographs through the use of computer technology. The class material will include techniques for repairing and restoring detail, tone, and color to photographs that may have become faded, discolored, torn, or otherwise damaged by age. Students will also learn best practices for scanning and storing of images for long-term archival purposes. Knowledge of Adobe Lightroom suggested. Equipment to bring: old photographs (either paper or uploaded onto your computer) and a computer with Adobe Lightroom loaded.

Saturday, January 4

9 a.m. to 3 p.m.

\$65 members; \$78 nonmembers

Adlyne Freund Center

Jeff Hirsch

**Lonnie Gatlin: Night at Shaw Nature Reserve (SNR) NEW**

All levels. Join us for an evening with award-winning photographer Lonnie Gatlin as she takes us on a photographic journey of Shaw Nature Reserve and other nature locations at night. Hear captivating stories about her experiences of photographing landscapes at night, including close encounters of the wild kind and the peace and solitude found in witnessing the Milky Way. You'll also hear how she creates these beautiful images while enjoying the fireside, hot drinks, and sweet and savory treats.

Friday, February 21

7 to 8:30 p.m.

\$20 members; \$28 nonmembers

Dana Brown Overnight Center

Lonnie Gatlin

Astrophotography (SNR)

Intermediate. Participants are expected to know their camera's menus to make adjustments in dark locations and basic photo editing skills. Learn to capture the night sky featuring the Milky Way in a beautiful Shaw Nature Reserve setting. Weather permitting, participants will shoot both Friday and Saturday night. Saturday's lecture covers how to plan, light, and process nightscape photos using Adobe Lightroom Classic CC.

Friday and Saturday: September 27, 28 or Friday and Saturday: October 25, 26
7 to 11 p.m.

\$70 members; \$84 nonmembers

Price per person, per 2-session class
Trail House and Adlyne Freund Center
Lonnie Gatlin

FOOD AND COOKING

All cooking classes are demonstrations only unless otherwise noted. Chefs serve sample-sized portions and provide copies of their recipes. Price per person, per class.

CULTURAL INSPIRATIONS

Entomophagy 101: Cooking Gateway Bugs in the Gateway City (MBG) **NEW**

They say when it comes to eating insects that crickets are the gateway bug; they are easy to cook, tasty, and not very intimidating. Though 80% of the world's population eats insects as a regular part of their diet, it is still uncommon in the United States, but this trend is changing quickly! Join Butterfly House Bug Chef, entomologist Tad Yankoski, to learn all about how you can incorporate this sustainable, eco-friendly, fun, and delicious protein source into your diet. An informational presentation will be followed by demonstrations on cooking multiple types of insects including crickets and waxworms. You will have the chance to sample Chocolate "Chirp" or "Crick'erdoodle" cookies, zesty BBQ waxworms and more! Note that people with shellfish allergies should not eat insects.

Tuesday, September 24

6 to 8 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening

Tad Yankoski

Paella! (MBG)

Join us for an evening of Spanish fun as we explore the world of paella! We'll make a big pan from scratch as we learn about the history of the dish, the traditional ingredients, and just how easy it is to prepare this one-pot meal. While the paella simmers, everyone will sample classic tapas and our special sangria. Take home recipes for your own paella party!

Wednesday, November 13

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening

Marianne Prey



Mardi Gras! St. Louis Style! (MBG)

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

Saturday, February 15

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening

Diana Smith

Food and Cooking continued...

EAT MORE PLANTS

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

Join Chef Diana Smith for all new fig recipes! She will teach you how to make fig scones, warm spinach salad with figs and butternut squash, fresh fig and avocado grilled cheese sandwich, crispy prosciutto cups with goat cheese and figs, and chicken and roasted figs. Yummy!

Saturday, September 7

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Diana Smith

Crazy Combos: Above and Beyond the Usual Vinaigrettes (MBG) **NEW**

A robust Italian olive oil and an aged balsamic are always a great combination, but there is so much more. Join us for a delectable evening as we sample our favorite flavored olive oil and vinegar combinations and discuss a variety of serving suggestions for family dinners and easy entertaining. On the menu: black bean and mango salsa with jalapeño and passion fruit vinaigrette, spinach and blackberry salad with black pepper and zinfandel vinaigrette, and brie quesadilla with pomegranate and apple balsamic dipping sauce. Take home the recipes to create these dishes at home and for inspiration for your own combos.

Wednesday, September 11

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Marianne Prey



Preserving the Harvest (MBG)

Learn five simple ways to preserve your fall bounty. In this class Crystal Stevens, community expert in growing, harvesting, and preserving food, will demonstrate various ways of putting up batches of food for the winter. She will discuss large batch freezing of vegetables, fruits, and soups. She will also discuss dehydrating and drying herbs as well as some vegetables. Crystal will demonstrate how to make pesto using a variety of herbs and greens, quick pickling, and basic fermentation techniques including lacto-fermentation and basic sauerkraut.

Sunday, September 22

1 to 3:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for
Science Education, Room 129
Crystal Stevens

More Hearty Soups from the Queen's Cuisine (MBG)

Back by popular demand with all new recipes! What better time to learn how to make delicious, homemade soups than on a chilly autumn day? Chef Jane Muscroft demonstrates how to make her customers' favorite soups: broccoli, pear, and bleu cheese (she is thrilled by how popular it is!); creamy tomato and basil; fresh pumpkin and herb along with parmesan and oregano scones. So grab a spoon and join us for a tasty fall cooking class.

Monday, September 30

or **Monday, October 7**

6 to 8 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Jane Muscroft

Fall Harvest for a Few or for a Crowd (MBG) *NEW*

The end of summer is not the end of fresh fruits and vegetables. Talk to the farmers at the local markets, and they will tell you that the fall harvest is bountiful and often overlooked. In this class we will celebrate everything that peaks with the cooler weather. The menu will be brussels sprouts with warm dijon vinaigrette; grape, fennel, and herb salad with maple and cinnamon-scented balsamic vinaigrette; Moroccan-inspired sweet and spicy vegetables over couscous; and fall apples with Mexican spice. The recipes are for four to eight servings and can easily be cut in half for an intimate dinner or doubled or tripled for your next football bash!

Wednesday, October 9

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Marianne Prey

Let's Have Lunch! (MBG) *NEW*

Bring your friends for a walk in the Garden, stay for a cooking demonstration and a delicious lunch! Chef Diana Smith will be preparing a baked ricotta dip, autumn arugula salad with caramelized squash, spiced pecans, and grilled chicken with pomegranate ginger vinaigrette. For dessert, enjoy an apple caramel tart.

Thursday, October 10

11:30 a.m. to 12:30 p.m.

\$18 members; \$22 nonmembers

Kemper Center for Home Gardening
Diana Smith

Herbal Holiday Delights! (MBG) *NEW*

It's harvest time in our gardens! The St. Louis Herb Society will provide ideas for what to do with your bounty of herbs. Come see what you can do to extend the flavors of your herb garden into the holiday season. Gather inspiration to make gifts, decorations, and yummy food at home that will bring smiles and excitement to your family and friends. A fun day awaits you while you continue to expand your knowledge of herbs.

Tuesday, October 15

9:30 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
The St. Louis Herb Society



Teen Volunteer and Employment Opportunities

Looking for a way to **get involved and give back** to your community and the environment?

Follow the QR code to check out our variety of Teen Programs and see which is the right match for you!



Food and Cooking continued...

Death by Chocolate (MBG)

Attention chocolate lovers: this class is not for the faint of heart. Tori McCarty returns to create triple chocolate chip cookies, brownies (with a lot of options to make them your own), double chocolate cupcakes, and even hot chocolate! This class can't be missed—it's simply to die for!

Saturday, October 19

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Tori McCarty

Afternoon Tea for a Winter's

Day (MBG) *NEW*

Join us for a lovely afternoon tea with Jane Muscroft from the Queen's Cuisine. Jane will be making ham and feta cheese parcels, holiday spice scones with clotted cream, steamed treacle pudding with hot custard sauce, and chocolate profiteroles. And of course, hot Tea of Good Tidings.

Monday, October 28

or **Monday, November 4**

6 to 8 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Jane Muscroft

The Queen's Cuisine Harry Potter Inspired Afternoon Tea (MBG) *NEW*

Join Jane Muscroft from the Queen's Cuisine and learn the secret recipes for Professor McGonagall's finger sandwiches, savory pumpkin pasties, Weasley's scones with cinnamon butter, Harry's favorite treacle tart and pumpkin tea, and hot tea too (of course!). For adults only.

Monday, November 11

or **Monday, November 18**

6 to 8 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Jane Muscroft

Wintry Salads (MBG) *NEW*

Brighten up a cold January night with a demonstration cooking class preparing salads that celebrate winter. Learn how to elevate a simple creamy cabbage salad with homemade olive oil mayo. Explore the quintessential Italian lettuce, radicchio, in a grilled salad with cannellini bean crostini. Experience newly pressed olive oil on shaved celery root with arugula. And, enjoy the rich flavor of farro, the ancient wheat of the Mediterranean, in a salad flavored with basil, preserved lemon, and a variety of winter veggies. We'll talk about the best wine pairings for salads, and while you sample each dish, we'll share tips for making the most delicious vinaigrettes and creating salads for every season.

Wednesday, January 8

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Marianne Prey



A Burst of Sunny Citrus in the Winter (MBG) *NEW*

Join Chef Diana Smith with all new recipes to wipe away the winter blues. How would you like a burst of fresh citrus? Diana will show you how to make mini lemon sugar Dutch baby pancakes with blueberry sauce, citrus salts and sugars, tangerine panna cotta, Greek chicken sheet pan dinner with green beans and feta, orange cranberry quinoa salad, and grapefruit yogurt tea loaf.

Saturday, January 11

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening
Diana Smith

Hands-On Pasta Making (MBG) *NEW*

What is better than a comforting bowl of pasta on a chilly winter evening or anytime? Not much, in our opinion. Did you know that with a few cups of flour, water, or an egg you can make homemade paste for your family from start to table in less than an hour? Roll up your sleeves and put on an apron to become a pasta pro. You will see how easy it is to use a hand-powered pasta maker for long-cut pasta. Then we'll make hand-cut orecchiette and dine on our creations as we discuss the best flour to use, why there are so many shapes, and the best sauce to serve with each. Everyone will take home their own batch of fresh pasta dough and recipes.

Wednesday, February 12

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home Gardening

Marianne Prey

DRINK MORE PLANTS

All About Viticultural Principles and Practices (MBG) *NEW*

Considering growing grapes for home winemaking? Or do you just want to better appreciate fine wines? Learn about site selection and planting; vineyard management principles such as proper trellising, pruning methods, weed issues, and irrigation; and when to harvest. We will also cover recommended wine grape varieties for local planting. Must be 21 or older to register.

Tuesday, October 15

6 to 8 p.m.

\$34 members; \$40 nonmembers

Kemper Center for Home Gardening

Michael Leonardelli

Wine Grape Varieties (MBG) *NEW*

Do you wonder what wine to serve with your meal? Do you wish to better distinguish among wine grape varieties when selecting a bottle for purchase? Learn about the European and U.S. West Coast varieties ("vitis vinifera") and varieties found in Missouri, such as Native American grapes, French-American hybrids, and recent hybrids developed for specific wine grape growing areas. Having examined 30 grape varieties and sampled 8 different wines by the end of class, you will be better able to anticipate a "varietal" wine's likely flavor profile and acidity level. Must be 21 or older to register.

Tuesday, October 29

6 to 8 p.m.

\$34 members; \$40 nonmembers

Kemper Center for Home Gardening

Michael Leonardelli

Advanced How to Sample Wines (MBG) *NEW*

Want to learn more about wine? In this advanced class, we will briefly review general wine sampling techniques, then focus on in-depth flavor profiling of a wine's aroma, bouquet, and taste by initially distinguishing between fruity and savory flavor aspects, then identifying the type of fruit (citrus, berry, tree fruit, tropical fruit) and savory (oaky, spicy, herbaceous) characteristics. We will also examine and use one of the 20-point wine evaluation scales employed by wine judges during competitions as we sample and evaluate six different wines. We will also examine faulted wines aromatically to identify the negative flavor characteristics and to learn about the typical causes of such faults. Must be 21 or older to register.

Tuesday, November 12

6 to 8 p.m.

\$34 members; \$40 nonmembers

Kemper Center for Home Gardening

Michael Leonardelli



**Bring your friends
and enjoy delicious
drinks, great food,
and fun activities
during these
upcoming events!**

**Best of Missouri
Market® (MBG)
Oct. 4–6**

**Wicked Wings
and Wine (BH)
Oct. 16 and 23**

**Spirits in the
Garden (MBG)
Oct. 25**

**Learn more at
mobot.org/drinks**

Food and Cooking continued...

Explore No Caffeine and Low Caffeine Options with Traveling Tea (MBG)

Looking for tasty beverage options (hot and cold) that won't keep you up at night? Looking for teas that will aid in relaxation? Kateri Meyer of Traveling Tea will explore sustainability and tea caffeine myths and misinformation in this informative class. Participants will sample a "varie-tea" of flavor options from naturally low caffeine teas, decaf teas, and herbal tisanes. Participants will even get to try Kateri's custom "Pumpkin Ginger Spice" blend made with local pumpkin. Traveling Tea will share their story of how they build connections between sustainability and the art of drinking tea.

Tuesday, October 29

6 to 7:30 p.m.

\$20 members; \$25 nonmembers

Commerce Bank Center for

Science Education, Room 125

Kateri Meyer

Explore What Makes Tea "Chai" with Traveling Tea (MBG)

Traveling Tea will share their story of how they build connections between sustainability and the art of drinking tea in one of our most popular tea classes yet! Participants will learn the origins of chai and the many different ways of making and enjoying it. There will be plenty of delicious tea sampling, including teas that are caffeine free.

Saturday, February 15

10 to 11:30 a.m.

\$20 members; \$25 nonmembers

PlantLab

Kateri Meyer

GARDENING BEST PRACTICES



Become a Great Gardener

These classes are designed for beginners just getting into gardening. All plants and supplies are provided. Come prepared for a ½-mile walk. Price per person, per class.

Low-Maintenance Perennials (MBG)

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

Tuesday, September 10

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Sharon Lloyd

Putting Your Garden to Bed (MBG)

Fall is a great time to pull out the honey-do list. Find out which tasks you should focus on for fall and which ones should be done in the spring. Learn about creating new beds, pruning, mulching, and how to take cuttings of your favorite annuals to overwinter.

Come prepared for a ½-mile walk.

Monday, September 16

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Fall Porch Pot **NEW**

Are your containers looking tired after a long summer? Get ready for fall with some exciting new plant combinations that will dazzle your friends and family.

This is a hands-on class, so come ready to play in the dirt and take home your own container creation.

\$55 members; \$69 nonmembers

Sharon Lloyd

at the Missouri Botanical Garden

Thursday, September 19

5:30 to 7:30 p.m.

Botanical Room

at the Butterfly House

Saturday, September 21

10 a.m. to noon

Lozata Learning Lab

Evergreen Holiday Porch Pot (MBG) **NEW**

Think you can't put anything in your container in the winter? Learn creative ways to jazz up your containers for the holidays using natural materials like cut evergreens, pine cones, and seed pods. We will be making a container you can take home with you. Come prepared for a short walk.

Wednesday, December 4

1 to 3 p.m.

\$62 members; \$74 nonmembers

Botanical Room, Missouri Room

Sharon Lloyd

Back to Basics Garden Boot Camp (MBG)

Whether you are new to gardening or just need a refresher, this series is for you. Join us for this intensive, interactive 3-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. Come prepared for a ½-mile walk.

3 Thursdays: October 3, 10, 17

5 to 7 p.m.

\$66 members; \$80 nonmembers

Price per person, per 3-session class

10/3 PlantLab, 10/10 and

10/17 Missouri Room

Sharon Lloyd

*Gardening and Landscaping continued...***"Know" Maintenance Perennial Gardening (MBG)**

Do you want more beauty with less work? Are you sick of caring for fussy perennials that require too much TLC? Join Garden horticulturist Nathan Urban to learn about a new perspective in perennial gardening. Nathan will teach you the principles of "knowing" your plants' needs and ornamental qualities to make perennial gardening easier. You will be introduced to some great plants and designs that work well with this method. A short walking tour of the "Know" Maintenance Garden will follow.

Thursday, September 5
5 to 7 p.m.

\$28 members; \$34 nonmembers
Missouri Room
Nathan Urban

**Right Perennial, Right Place (MBG)**

Do you have challenging places to garden such as dry shade or heavy clay soil? Mariel has the right perennial for you. She will take you on a walk showing you specific perennials that can thrive in wet locations, hot and dry spots, or other less-than-ideal conditions. She will also cover perennials that have different habits, ornamental features, color, and bloom times. Along the tour, Mariel will give you tips on perennial care and useful design ideas.

Wednesday, September 11
5 to 7 p.m.

\$28 members; \$34 nonmembers
Meet at the ticket counter
Mariel Tribby

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 how to turn your yard into a personal place, reflective of you and your family. You'll learn about landscapes, sustainability, and plant selection for your home. Develop a landscape plan during class for your own yard and study plant material independently. Some gardening experience recommended. Bring photos of your yard to the first session.

6 Wednesdays: September 11, 18, 25;
October 2, 9, 16
6 to 8 p.m.

\$149 members; \$179 nonmembers
Price per person, per 6-session class
Botanical Room
Russ Volmert

Rescue and Renovate Your Cool-Season Lawn (MBG)

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

Tuesday, September 17
6 to 8 p.m.

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

Seed Harvesting for the Home Gardener (MBG) *NEW*

Have you ever wanted to save seeds from your garden plants but didn't know how to collect and store them? Now you can learn how! This class will teach you how to collect seed from your ornamental and native plants and how to properly store and prepare them for germination. The class will also cover the basic principles of seed anatomy and germination. The lesson will conclude with a hands-on seed harvesting demonstration.

Wednesday, September 25
5 to 7 p.m.

\$33 members; \$39 nonmembers
Kemper Center for Home Gardening
Daria McKelvey

Growing Annuals from Seed (MBG)

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

Saturday, January 11

10 a.m. to noon

\$31 members; \$40 nonmembers

Missouri Room

Sharon Lloyd

Plants for Four Season

Interest (MBG) *NEW*

It's not just the flowers that make a garden beautiful! Foliage, color, bark, and contrasting texture can add the impact you are looking for. In this class we will look at tree and shrub selection, bulbs, perennials, and annuals that will keep your garden interesting throughout the year! Come prepared for a ½-mile walk.

Tuesday, October 8

5 to 7 p.m.

\$28 members; \$34 nonmembers

PlantLab

Sharon Lloyd

Pruning Shrubs (MBG)

Have you been wanting to prune your shrubs at home, but not sure where to start or when to do it? Have you wondered how they keep the shrubs at the Garden looking so good? We can discuss this and do a demonstration pruning during this 2-hour session walking through the English Woodland Garden. Topics covered will also include observations on plant health and some common pests and problems to look out for, as well as plenty of time for questions.

Saturday, October 12

10 a.m. to noon

\$28 members; \$34 nonmembers

Meet at the ticket counter

David Gunn

Tips from the Kemper Center for Home Gardening (MBG)

See the demonstration gardens at the peak of fall season in this walking tour. Aaron Lynn-Vogel will highlight annuals, hanging baskets, perennials, and how to bring the fall beauty to your own home. Hear how each themed garden has inspiration for your own garden and how the mission at the center is evolving to help you garden better. Learn the best maintenance tips to apply in your own garden in this informative walk.

Saturday, October 12

10 a.m. to noon

\$28 members; \$34 nonmembers

Kemper Center for Home Gardening

Aaron Lynn-Vogel

A Garden by Moonlight (MBG)

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

Monday, October 14

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Kyle Cheesborough

Growing Orchids at Home Part 1 (MBG)

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

Tuesday, October 15

5 to 7 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Babs Wagner



Growing Your Green Thumb for House Plants (MBG)

Become a house plant guru this fall. Aaron Lynn-Vogel, Garden horticulturist, will share how you can benefit from having house plants indoors. He will discuss how to take care of your plants including best watering practices, capitalizing on the right light, balancing nutrients, and scouting for pests. Plus learn tips on easy propagation of your plants to share extras with your friends. Find the best plants to fit your lifestyle and home in this fun class to grow your green thumb.

Saturday, November 2

10 a.m. to noon

\$28 members; \$34 nonmembers

**Kemper Center for Home Gardening
Aaron Lynn-Vogel**

Hydroponic Basics (MBG)

Want to grow plants without soil? Learn about this amazing means of growing plants called hydroponics. Aaron will discuss how it works, its advantages (and disadvantages), plus all you need to know about different systems, growing media, plants to grow, types of commercial units, and DIY models for your home to get started. Be amazed how well plants grow in this unique environment. You will also get a kit to take home and set up your own DIY hydroponics.

Saturday, February 22

10 a.m. to noon

\$68 members; \$82 nonmembers

**Missouri Room
Aaron Lynn-Vogel**

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? 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 Mark Grueber 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? Come prepared for a short walk.

**3 Tuesdays: September 17, 24; October 1
5 to 7 p.m.**

\$84 members; \$100 nonmembers

**Price per person, per 3-session class
Missouri Room
Mark Grueber**

Creative Flower Arranging: Fill Your Vase (MBG) **NEW**

Creating arrangements from your own yard can be a relaxing and rewarding experience. Join us for this three-part 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 a seasonal, one-of-a-kind vase arrangement. Price includes a flower frog and vase to be brought back with you for each class in the series. Come prepared for a ½-mile walk.

3 Tuesdays: September 24;

October 22; November 12

5:30 to 7:30 p.m.

\$108 members; \$130 nonmembers

**Price per person, per 3-session class
Missouri Room
Sharon Lloyd**

GARDENING FOR BIODIVERSITY

Native Plant School

Native Plant School is a year-round series of indoor/outdoor classes in the Whitmire Wildflower Garden at Shaw Nature Reserve that covers various aspects of native landscaping. Please bring your questions, comments, drawings, and plant specimens. Participation from the audience is encouraged. Price per person, per class. 1 to 4 p.m.

\$14 members; \$17 nonmembers
Carriage House (except where noted)
Scott Woodbury (except where noted)

Converting Lawn and Fields to Seeded Prairie or Savanna (SNR)

Do you have too much lawn or you have an unproductive hayfield? Are you sick of cutting grass or hay? Doug Tallamy states that there are over 40 million acres of lawn, more than all of the U.S. National Parks combined. It's a good time to convert turf or field to prairie or savanna. Come learn how to create a natural-style landscape with high diversity and low maintenance. Come prepared for a short walk.

Thursday, September 12

Woodland Restoration and Bush Honeysuckle Control: Large Scale (SNR)

Are you battling a heavy infestation of bush honeysuckle on 1 to 100 acres of woodland? In this class we will explore the challenges of bush honeysuckle in large-scale areas. Instruction will focus on the best removal practices, forest thinning, reseeding/replanting with appropriate native plants, and long-term maintenance. Annual scouting, spot spraying, and prescribed burning are the key maintenance components in the fight to tilt the battle in your favor.

Thursday, October 20

Invasive Plant I.D. and Control (SNR)

Invasive plants like bush honeysuckle, burning bush, and wintercreeper are a threat to native ecosystems and landscapes because they compete with native plants for light, nutrients, and moisture. Many natural and landscaped areas are severely infested with invasive plant species due to decades of neglect. Control methods described in this class are designed for both homeowners and large landowners who are having problems with invasive plants.

Thursday, November 14

Top Performing Small Flowering Trees, Shrubs, and Vines (SNR)

This class will focus on the identification, culture, wildlife benefit, and application in landscaping of the best-performing native woody plants for the St. Louis region. This class will occur indoors and outdoors, weather permitting.

Thursday, January 9

Greenhouse Propagation of Native Plants (SNR)

Growing native perennials, grasses, trees, and shrubs from seed isn't a mystery. This class will introduce the basic propagation methods that involve stratification, scarification, timing, soils, containers, fertilization, and basic insect management.

Thursday, February 13

Headhouse
Terri Brandt



Top Ten Natives (MBG)

Do you see native plants for sale at nurseries but are not sure which ones to choose or how to combine them in your existing garden? Join us as we take a look at the top 10 native plants, shrubs, and trees for the St. Louis area and learn how to incorporate them into your landscape. Take home a native plant to get you started. Come prepared for a ½-mile walk.

Monday, September 23

5:30 to 7:30 p.m.

\$33 members; \$39 nonmembers

Botanical Room

Sharon Lloyd

Hackin' Honeysuckle and Other Invasive Plants (MBG) *NEW*

Join us for an evening of learning about why invasive plants pose a threat to our local biodiversity and natural areas, what we can be doing to stop the spread, and how ecological restoration can make a difference in our own backyards. We will discuss the most common invasive plant species in Missouri, learn how to control and maintain our natural areas, and discuss native plants to consider planting instead. This class is perfect for those who are interested in working outdoors, love nature, want to learn more about invasive plant species, and want to learn how to maintain a healthy ecosystem.

Tuesday, October 15

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Allison Brown

Putting Your Butterfly Garden to Bed (BH) *NEW*

When is it safe to clean up a butterfly garden for winter? When can you cut back a butterfly host plant? How do you make a garden safe for overwintering beneficial bugs? This class will answer all of these questions and more. We will discuss ways you can keep overwintering butterflies safe. We will also cover the ways common beneficial bugs survive the winter.

Saturday, October 19

10 to 11:30 a.m.

\$21 members; \$25 nonmembers

Lopata Learning Lab

Chris Hartley

Strawberries, Blueberries, and More (MBG)

Grow and harvest sweet strawberries, juicy grapes, tasty blueberries, and succulent blackberries in your own backyard. This class is designed to teach you the basics, including establishing plants, pruning, and common pests. Elizabeth Wahle will get you started with these small fruits, plus help you avoid common beginner mistakes.

Tuesday, October 8

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Elizabeth Wahle

Creating Raised Beds for Organic Vegetables (MBG) *NEW*

Do you have hard clay soil but dream about a gorgeous vegetable garden? A raised bed garden might be just the solution to your soil problems. Cheryl will help you get started this fall with ideas for site placement, compost creation, and plant selection. Learn about different types of raised beds along with their pros and cons. Be inspired to create the organic raised bed garden of your dreams.

Tuesday, October 29

6 to 8 p.m.

\$33 members; \$40 nonmembers

Missouri Room

Cheryl Rafert and Tammy Palmier

Sprouting 101 (MBG) *NEW*

Learn how to sprout nutritious and delicious beans and seeds during the winter when nothing is growing in your garden. Crystal Stevens, community expert in growing, harvesting, and preserving food, will demonstrate how to sprout a variety of beans, lentils, and other seeds to add live nutrients to your winter diet. She will also demonstrate the basics of growing your own microgreens using a shop light. Sample a variety of sprouts and microgreens and take home a sprouting starter kit.

Sunday, November 10

1 to 2:30 p.m.

\$25 members; \$30 nonmembers

Commerce Bank Center for

Science Education, Room 129

Crystal Stevens

Organic Heirloom Vegetables (MBG)

Heirloom vegetables are open-pollinated, non-hybrid plants that have been around for generations. Discover how adding heirloom vegetables to your garden can reward you with flavorful and colorful new produce. Learn how to select, grow using organic methods, and harvest heirloom vegetables. Seed saving will be included. You will plant heirloom seeds in a small pot, which you can take home for transplanting in the spring.

Saturday, February 22

10 a.m. to noon

\$33 members; \$40 nonmembers

Botanical Room

Cheryl Rafert

Garden Design: Captivating Combinations (MBG)

Do you feel like your garden is lacking organization or design? Are there spots in your garden that you wish were more colorful or interesting? Come join Garden Horticulturist Nathan Urban to learn how to design and create beautiful plant combinations with perennials, trees, and shrubs. Nathan will introduce you to some of his favorite design plants and then show you how to "put the pieces together" in your own garden. Class is designed for both novice and experienced gardeners.

Tuesday, February 4

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Nathan Urban

Small Space Gardening (MBG)

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

Saturday, February 8

10 a.m. to noon

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Celebrate the Season!



GARDEN GLOW

Presented by



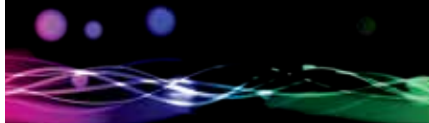
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GREEN LIVING

Exploring the 3Rs (MBG)

The “3Rs” is a familiar trio of conservation—“reduce, reuse, and recycle”—but there are often questions about each of these actions. Why is reducing important if items can be recycled? How can items be reused? What happens after plastic goes into that blue bin? This series of classes is designed to help answer these questions and many more. Each class will give you tools you can use immediately after leaving class to help “green” your life. Attend one or all three classes to learn in depth about how you can reduce, reuse, and recycle in your home. Price per person, per class. 6 to 7:30 p.m.

\$10 members; \$12 nonmembers

Reducing 101

Welcome to the first program in the 3Rs series! Reducing waste is one of the best ways to help our environment, but it can be difficult to reduce waste in our own lives. Why is reducing so important when recycling is available? How can all these single-use items be replaced? This class will help you identify single-use items in your life and give you options for replacing them. You will walk out with concrete steps for how to reduce your impact on the environment.

Tuesday, September 10

Commerce Bank Center for

Science Education, Room 125

Maggie McCoy

Reusing 101

Discover new ways to reuse old items in the second program of the 3Rs series with the creative staff at Perennial! Perennial staff will demonstrate techniques for transforming common everyday items into material that can be used in your next craft project. Participants will learn about many different projects that can be made with reused materials and will even get to make a few handmade projects of their own! We'll talk about ways to reuse year-round and will make upcycled gift boxes and wreaths that will be perfect for the upcoming holiday season

Tuesday, November 12

Commerce Bank Center for

Science Education, Room 126

Maggie McCoy and Perennial staff

Recycling 101

This is the final program in the 3Rs series. 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? In this class, you will 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 member to embrace recycling in their lives. Leave class feeling knowledgeable and empowered to become a community recycling ambassador.

Thursday, January 9

Commerce Bank Center for

Science Education, Room 125

Maggie McCoy

DIY Rain Barrel Demonstration (MBG) **NEW**

Learn how to collect rain water in your own backyard with a rain barrel! In this class EarthWays Center staff member Kat Golden will share information about the impact stormwater has on our region and how a rain barrel can help prevent pollution, among other great garden benefits. After the talk, Perennial staff will demonstrate the full process of how to alter food-safe 55-gallon drums into rain collectors. You will learn how to incorporate rain barrels into your yard, including creating a base to elevate them, and how to connect them to your gutters. Please note: you will not create a rain barrel in this class, but will be given instruction and a list of suggested materials to create one on your own.

Saturday, September 7

10 a.m. to noon

\$28 members; \$34 nonmembers

Commerce Bank Center for

Science Education, Room 125

Kat Golden and Perennial staff

Monarchs and Mosquitoes (MBG)

Control the pests, protect the pollinators, and engage and educate your neighbors! Understanding insect ecology and public health agency protocols can help every gardener control mosquito breeding while also inviting and supporting pollinators. Join "Green Jean" Ponzi from the Garden's EarthWays Center for a lively classroom presentation and twilight scavenger hunt around the Kemper Center for Home Gardening. This class plants some fun (and plenty of facts) into issues that bug us!

Monday, September 16

6 to 8:30 p.m.

\$35 members; \$42 nonmembers

PlantLab

Jean Ponzi

Composting in Small Spaces: Bokashi and Vermicomposting (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. Maggie will demonstrate how to build each of these systems, and participants will walk away with their own kitchen scrap collector to get them started.

Wednesday, October 23

6 to 7:30 p.m.

\$38 members; \$46 nonmembers

Commerce Bank Center for

Science Education, Room 126

Maggie McCoy

Homemade Cleaners to Go! (MBG)

Join us in making cleaning products you can make at home! Save money, use less hazardous materials, and know the ingredients. Great for all, especially those wanting to remove certain products from their homes and anyone with sensitive skin, allergies, or health needs. You'll go home with three products: liquid laundry detergent; all-purpose cleaning spray; and a wool dryer ball! Light snacks and lemonade will be provided.

Thursday, October 24

6:30 to 8:30 p.m.

\$37 members; \$45 nonmembers

Commerce Bank Center for

Science Education, Room 126

Glenda Abney and Julie McCroskey

Green Living continued...

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.

Wednesday, November 6

6:30 to 8:30 p.m.

\$10 members; \$12 nonmembers

Commerce Bank Center for

Science Education, Room 125

Gracie Griffin

Reducing Food Waste (MBG)

There is a lot of focus on plastic waste, but what about waste from food? On average, about 20% of what goes to a landfill each day is food, more than any other category of waste. What kind of impact does this have on the environment? Does food really "go away" in a landfill? How can consumers help to reduce that waste? We will look at strategies for reducing food waste at each step from production to storage to decomposition. You will leave class with an action plan for how to decrease food waste in your own home.

Tuesday, February 18

6 to 7:30 p.m.

\$10 members; \$12 nonmembers

Commerce Bank Center for

Science Education, Room 125

Maggie McCoy



Stormwater, Native Plants, and Other Solutions (MBG)

How do native plants help keep our rivers, streams, and creeks clean? This class will explore the value of clean water in our community, how plants can help solve pollution problems and prevent flooding, and more. You'll discover what you can do in your daily life to help prevent stormwater pollution as we explore the relationship between human development, storm water, and water quality issues and best management practices. Walk away with practical and plant-based solutions you can do at home to help protect our watershed. Presented in partnership with the Metropolitan St. Louis Sewer District.

Thursday, February 20

6 to 7:30 p.m.

\$10 members; \$12 nonmembers

Commerce Bank Center for

Science Education, Room 129

Kat Golden

GUIDED WALKS AND TOURS

Dress for the weather and wear appropriate walking shoes for all guided walks and tours.

Missouri Botanical Garden: Walking Tour for Those with Memory Loss and Their Carepartners (MBG)

Enjoy a guided tour of the historic Missouri Botanical Garden created especially for people with memory loss and their family/friends. We will be taking a short walk highlighting the history and beauty of the Garden. Wheelchairs are available at no cost, and scooters are available for small rental fee. Registration is required. Come prepared for a short walk.

**Thursday, September 5
or Tuesday, September 17
or Thursday, October 10
or Saturday, October 19
10:30 to 11:30 a.m.**

**Free for members and nonmembers
Meet in Monsanto Hall
Garden Docent**

Missouri Botanical Garden: Tram Tour for Individuals with Memory Loss and Their Carepartners (MBG)

Enjoy a tram tour of the historic Missouri Botanical Garden created especially for people with memory loss and their carepartners. The tour is presented in collaboration with the Alzheimer's Association-Greater Missouri Chapter. Registration is required.

**Saturday, September 7
or Tuesday, October 22
10:30 to 11:30 a.m.**

**Free for members and nonmembers
Meet at Tram Shelter
MBG staff**

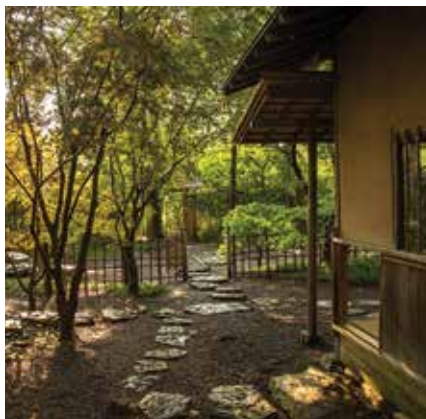
Behind the Scenes:

The Orchid Greenhouse (MBG)

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

**Saturday, November 2
10 a.m. to 11:30 a.m.**

**\$21 members; \$26 nonmembers
Meet at the ticket counter
Babs Wagner**



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. Come prepared for a 1-mile walk.

**Monday, September 16
or Tuesday, September 17
5 to 7 p.m.**

**\$28 members; \$34 nonmembers
Meet at the ticket counter
Greg Cadice**

*Guided Walks and Tours continued...***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. Come prepared for a short walk.

Saturday, September 21
10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Meet at the ticket counter
Wendy Applequist

Behind the Scenes:**Landfill Field Trip (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 and monitoring, and the daily routine of modern landfills. We will discuss the impacts of waste and the future outlook for waste disposal in the St. Louis area. Please arrive on time for the bus and ready for adventure for this field trip excursion. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District.

Wednesday, October 9

9 a.m. to noon

\$44 members; \$53 nonmembers

Meet in the lobby of the Commerce
Bank Center for Science Education
Kat Golden

Behind the Scenes: EarthDance Organic Farm School (off-site)

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!

Saturday, October 12

1 to 3 p.m.

\$18 members; \$22 nonmembers

EarthDance Organic Farm School

(233 S. Dade Ave., Ferguson, MO 63135)

EarthDance Organic Farm School staff

Behind the Scenes: Tour of the Stephen and Peter Sachs Museum (MBG)

Delve into the history and design of the newly reopened Sachs Museum at the Missouri Botanical Garden. Join Paul Brockmann, Senior Vice President of General Services, and Nezka Pfeifer, Museum Curator, to tour the newly designed museum annex and renovated building to learn more about the art and architecture, green systems, and sustainable design that make this building accessible to all Garden visitors. Come prepared for a short walk.

Saturday, October 19

10 to 11:30 a.m.

\$28 members; \$34 nonmembers

Sachs Museum

Nezka Pfeifer and Paul Brockman

Wine and Cheese Night Hike (SNR)

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, October 25

7 to 9:30 p.m.

\$28 members; \$34 nonmembers

Meet at the Visitor Center

SNR staff and volunteers

Garden Ghost Stories (MBG)

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

Tuesday, October 22

or Monday, October 28

or Wednesday, October 30

6 to 8 p.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

Kim Lehmann

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, an up-close look at the whole process, and an overview of proper recycling practices to help you learn the dos and don'ts of recycling in our region. Please wear closed-toe shoes.

Thursday, November 7

or Thursday, January 23

5:30 to 7 p.m.

\$15 members; \$18 nonmembers

Republic Recycling Center

(6025 Byassee Dr.,

Hazelwood, MO 63042)

Republic Services staff



Volunteer Opportunities

Take action to bring more significance to your daily life!

Become a part of a vital volunteer community at the Garden, Butterfly House, Shaw Nature Reserve, or Litzsinger Road Ecology Center.

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

Learn more:

Call (314) 577-5187 or email volunteer@mobot.org

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 and biking trails, and other quality green spaces have on property values and the economic vibrancy of our region.

Gardening for Biodiversity
Page 29



Guided Walks and Tours continued...



Behind the Scenes: Holiday Show Production (MBG)

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

Saturday, November 16

10 a.m. to noon

\$28 members; \$34 nonmembers

Meet at the ticket counter

Josh Higgins

Valentine's Night Hike (SNR)

Bundle up and spend the evening under the stars with your sweetheart, friends, or adult family members! Use your senses to enjoy the wonders of a crisp, cool, but invigorating Nature Reserve winter night. You will have the opportunity to see the constellations and planets using our telescope (weather permitting). After the hike there will be steamy hot beverages and delectable desserts to share. What a unique way to say, "I love you!" Come prepared for a 1- or 2-mile walk.

Friday, February 14

7 to 10 p.m.

\$24 members; \$29 nonmembers

Price per person

Dana Brown Overnight Center

SNR staff and volunteers



Garden Yoga (MBG)

Make the Garden your sanctuary with a Sunday morning yoga session among the flowers and trees. Enjoy a 1-hour, all-levels yoga class.

Beginners are encouraged to join.

Sunday, September 8

or **Sunday, September 15**

or **Sunday, September 22**

or **Sunday, September 29**

9:30 to 10:30 a.m.

\$15 members; \$18 nonmembers

Meet in Missouri Room

Yoga Buzz Instructor

Butterfly House Yoga (BH)

Enjoy a 1-hour, 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 Tropical Conservatory to see

our flying butterflies. Doors open at

6 p.m. for pre-practice meditative stroll.

Tuesday, September 10

or **Tuesday, October 8**

or **Tuesday, November 12**

or **Tuesday, December 10**

or **Tuesday, February 11**

6 to 7:30 p.m.

\$15 members; \$18 nonmembers

Lopata Learning Lab

Yoga Buzz Instructor

Wednesday Walkers (SNR)

Sign up early! Space is limited. Registration required. Walks begin at 1 mile and work up to 3 miles (weather permitting).

At the end of 2 months you will have hiked most of Shaw Nature Reserve's trails and made new friends. The final walk is called "Reward Wednesday" and includes a potluck gathering.

9 Wednesdays: September 4, 11, 18, 25;

October 2, 9, 16, 23, 30

10 to 11:30 a.m.

Free for members; \$45 nonmembers

Price per person, per 9-session class

Follow the signs from the entrance

Rachel Weller

Mindfulness in the Garden (MBG)

Explore the treasures of the garden

through the senses. We will experience

the Garden's sights, sounds, and smells.

Learn secrets to dealing with distractions—

both inner and outer—and discover

the gifts of being fully present. Enrich

your appreciation of your surroundings

through mindful walking, gentle relaxation,

and deep listening. Quiet your mind

and restore emotional balance by

deepening your connection to nature.

4 Fridays: September 6, 13, 20, 27

(rain 10/4)

9:30 to 11 a.m.

\$75 members; \$90 nonmembers

Price per person, per 4-session class

Meet in Garden Room

Rhonda Leifheit

Health and Wellness continued...

Journey to Well-Being (MBG)

The Journey to Well-Being is an intentional walking program, designed to aid participants in experiencing the calming, restorative powers of nature. The Japanese Garden serves as a peaceful setting for people to explore their relationship with nature and with themselves. This 10-week program consists of three facilitated meetings, including a guided tour of the Japanese Garden. The remaining weeks consist of seven self-guided walks, inspired by themes related to natural elements such as wind, stone, and sky. The walks can be completed at the participants' own schedule and pace. Participants will receive a guidebook which provides suggested pauses for each walk, intended to increase awareness and encourage time for reflection. Non-members will receive seven garden admission passes in order to complete the walks. Come prepared for a 1-mile walk.

Visit mobot.org/journey for upcoming session dates and times

\$120 members; \$162 nonmembers

Price per person, per 3-session class

Jeanne Carbone

Vinyasa Flow Yoga (SNR)

A class for all fitness levels. We will concentrate on connecting the Ujjayi breath as you flow from one movement to the next. Bring awareness to the present as you release tension and anxiety with every exhale. Build strength, stamina, and increase your flexibility. Practicing yoga in this serene, natural setting will help you to become a more focused, relaxed, and happier you. Classes will be held in the Carriage House (which overlooks the Whitmire Wildflower Garden). Bring a yoga mat or beach towel and a block. Barbie will have extra blocks and mats if you do not have them.

6 Sundays: October 13, 20, 27;

November 10, 17, 24

9 to 10 a.m.

\$60 members; \$72 nonmembers

Price per person, per 6-session class

Carriage House

Barbie Benetin

Essentrics: Dynamic Stretch (SNR)

Essentrics is a full-body workout that rapidly changes the shape of your body through a dynamic and fluid combination of strengthening and stretching. The technique develops lean, strong, and flexible muscles with immediate changes to your posture. Perfect for men and women of all fitness levels, this program rebalances the body, prevents and treats injuries, and unlocks tight joints. With a diverse music playlist accompanying each routine, this equipment-free workout leaves you feeling energized, youthful, and healthy.

6 Wednesdays: October 30;

November 6, 13, 20, 27; December 4

6 to 7 p.m.

\$45 members; \$54 nonmembers

Price per person, per 6-session class

Carriage House

Meaghan McGuire

Winter Wednesday Walkers (SNR)

Sign up early! Space is limited. Registration required. Enjoy a walk in the winter landscape. Even though it's cold, the scenery is beautiful. We'll see tracks, evergreens, icicles, and possibly snow.

5 Wednesdays: December 11;

January 8, 15; February 5, 12

10 to 11:30 a.m.

Free for members; \$25 nonmembers

Price per person, per 5-session class

Follow the signs from the entrance

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

Sunday, October 27
noon to 2 p.m.

\$34 members; \$40 nonmembers

Bellefontaine Cemetery
Wildwoods Valley area
(4947 W Florissant Ave.,
St. Louis, MO 63115)
Kyle Cheesborough

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

\$10 members; \$12 nonmembers
SNR staff and volunteers

Cemetery Tour (SNR)

We will begin our journey with a visit to a grave, and then we will visit a cemetery here at Shaw Nature Reserve. There will be some hiking to lead you by the tombstone in the garden and to the Roberts cemetery where the last burial was in 1868. As we travel by the faint light from the moon, you will hear the stories of the families that lived here. Come prepared for a 1-mile walk.

Thursday, October 24

6:30 to 8:30 p.m.

Meet at the Visitor Center

Wagon Tour (SNR)

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

Thursday, November 21

10 a.m. to noon

Meet at the Visitor Center

History of the Lodges (SNR)

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

Friday, January 17

10 a.m. to noon

Adlyne Freund Center

OVERNIGHT PROGRAMMING



Basket Making Overnight (SNR)

This is an overnight basket-weaving class in which you choose the basket(s) you will make. Register by early November, allowing you time to choose from a list of baskets (with pictures and level of difficulty) so that we may order the material. An email will be sent to you with the baskets you can choose from. Beginners are welcome. Meals and a dormitory-style overnight in a delightful historic log lodge are included. You will pay the instructor separately (from \$15 to \$30 per basket) for the materials you order in November. Friday, January 3, 7 p.m.

to Saturday, January 4, 3 p.m.

\$80 members; \$96 nonmembers

Dana Brown Overnight Center

Linda Brown

It's Your Weekend Overnight (SNR)

Are you looking for time to yourself to read, paint, walk, or write? Bring your camera, bicycle, binoculars, or whatever! Spend all the time you want doing what you want, either by yourself or perhaps with others. Accommodations are dormitory style in our historic log lodges. All meals provided. Optional afternoon and night hikes and various activities will be offered.

Saturday, January 25, 9 a.m.

to Sunday, January 26, 11 a.m.

\$85 members; \$102 nonmembers

Dana Brown Overnight Center

Helen McCallie

NATURE STUDY

Native Plant Tea (SNR)

Enjoy sampling several different types of tea as you learn about traditional tea and herbal tea. Following the sampling we will take a hike to view native plants and hear about their traditional use in medicinal tea. Come prepared for a short walk.

Thursday, September 5

10 a.m. to noon

\$30 members; \$36 nonmembers

Adlyne Freund Center

Kerri Kelley

Raising Monarchs: Tagging and Testing (MBG) **NEW**

Learn how to participate in the Citizen Science aspect of monarch conservation. Josh will cover why we tag monarchs and how you can do it at home. He will discuss the problems associated with natural parasites such as protozoans and parasitic flies that can kill monarch chrysalises.

Learn how to send off valuable information people can collect at home, to scientists who will use it to aid conservation efforts.

Saturday, September 28

9 to 11 a.m.

\$28 members; \$34 nonmembers

Botanical Room

Josh Higgins

Basics of Birding at Shaw

Nature Reserve (SNR) **NEW**

Would you like to learn more about our feathered friends, but not sure where to start? If yes, then join us for an introduction to the basics of birding! We will start inside with the following: an interactive presentation learning how to identify birds using field marks, exploring different types of field guides (including apps), a quick overview of community scientist projects such as the Great Backyard Bird Count, and a brief investigation of migration routes and patterns. Outside, participants will have the opportunity to practice tips for binocular use and go on a hike to see who we can find at Shaw Nature Reserve. Come prepared for a 1-mile walk.

Thursday, October 3

10 a.m. to noon

\$10 members; \$12 nonmembers

Carriage House

Angie Jungbluth

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. Come prepared for a short walk.

Sunday, November 3

9 a.m. to noon

\$24 members; \$30 nonmembers

Carriage House

Dr. Catrina Adams

Owls: Mating, Nesting, and Owlets (MBG) **NEW**

Great horned owls nest during the middle of winter and are the earliest birds to nest each season. Come and find out why these birds nest so early and learn all about their mating and nesting process. We will also look at the clearly defined roles of the male and female during nesting and learn all about the progression of owlet growth to dispersal age. A night hike will follow classroom instruction. Dress in layers and bring a flashlight for a fun-filled evening of learning about these "tigers of the night sky." Come prepared for a short walk.

Monday, January 6

5 to 7 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Brenda Hente

Tips and Tricks to Backyard

Maple Syrup (SNR)

Interested in making your own maple syrup? Come and join us for this beginner's maple syrup class. You will learn how to tap a tree, what tools to use, and how to keep production costs down. Come prepared for a ½-mile walk.

Sunday, February 2

1 to 3 p.m.

\$10 members; \$12 nonmembers

Carriage House

Karen Bryan



Discover the Garden's Historic Hidden Treasures!

Explore **Tower Grove House** to learn about the history of Garden and founder Henry Shaw.

Enjoy rotating exhibits at the **Stephen and Peter Sachs Museum**.

Visit mobot.org for current building operating hours.

Nature Study continued...

Winter Tree I.D. for Beginners (SNR)

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

Friday, February 7

10 a.m. to noon

\$10 members; \$12 nonmembers

Carriage House

Rachel Weller

Butterfly House Owl Prowl (BH) **NEW**

Join us at the Butterfly House for an owl prow. What's an owl prow, you ask? We will begin the evening in our Lopata Learning Lab to learn about Missouri's native owls and discuss some ways that you can encourage them to visit your backyard. Then we will venture into Faust Park to use owl calls and look for our feathered friends. Come prepared for a ½-mile walk.

Saturday, February 22

6:30 to 8 p.m.

\$21 members; \$25 nonmembers

Lopata Learning Lab

Curtis Parsons

Birding II (MBG)

If you've already taken the Basics of Birding class or have some prior birding experience, then challenge yourself to learn more during this in-depth, 12-session course. The six evening classes will focus on major groups like shorebirds, warblers, hawks, waterfowl and gulls. Additional topics may include optical equipment, speciation, songs and calls, and how to document sightings. The six full-day, weekend field trips will visit a number of good birding areas to experience the successive stages of fall migration. Participants provide their own transportation and lunch.

1 Monday and 5 Wednesdays:

September 4, 16; October 7, 28;

November 18; December 2

7 to 9 p.m.

6 field trip dates: September 7, 22;

October 12; November 3, 23; December 7

\$250 members; \$300 nonmembers

Price per person, per 6-session class

Botanical Room

Bill Rowe

OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY



Canopy Climb

For adults and/or families with kids 8 and up. 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.
12:30 to 2:30 p.m.
or 3 to 5 p.m.

\$35 members; \$42 nonmembers

Price per person, per climb

Jon Richard and Vertical Voyages Team

at Shaw Nature Reserve
Saturday, September 21
or Sunday, September 22
Trail House

at the Butterfly House
Saturday, October 19
Meet at the ticket counter

at the Missouri Botanical Garden
Saturday, September 28 or October 12
or Sunday, September 29 or October 13
Meet at climb site; see map

Hiking with Rover Series (SNR)

For ages 8 and older. This is a rare opportunity to spend time with your four-legged friend at the Nature Reserve where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on 6-foot leash at all times, and you must pick up and properly dispose of all waste. Please bring a current vaccination record on the day of class and be sure to include the weight of your dog when registering
\$9 members; \$11 nonmembers

Price per person

**Adlyne Freund Center
SNR staff**

Mini Hiking with Rover

Bring your favorite canine companion for a nice 1-hour hike.

Sunday, September 29

4:30 to 5:30 p.m.

\$9 members; \$11 nonmembers;

Price per person

Hiking with Rover

Visit the Nature Reserve's wetland and prairie on a 2-hour hike with your dog.

Sunday, October 6

4:30 to 6:30 p.m.

\$12 members; \$15 nonmembers

Price per person

Geocaching: Historical Landmarks of Shaw Nature Reserve (SNR)

For adults. We'll briefly review how to use GPS units and go over geocaching basics indoors. Then you'll head out to hike from cache to cache, learning about the history of Shaw Nature Reserve. Each cache will be hidden in an area for you to explore the historic remnants that can be found on our property. Be prepared to hike approximately 3 miles on rolling terrain.

Thursday, November 7

10 a.m. to noon

\$10 members; \$12 nonmembers

**Follow the signs from the entrance
SNR staff and volunteers**

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

For adults only. This is a 5.5-mile hike over rocky and hilly terrain. This course will focus on the caves and karsts of Meramec State Park. After an introduction we will see sinkholes, caves, and the spring at the end in the Bear Cave-Copper Hollow Karst Complex. We will also hike to the site/dump of the Copper Hollow mine that operated in the mid-1800s. Come prepared with hiking shoes/boots, which are important, and you can bring a notebook. Bring water, change of clothes, and lunch. We will not be going in the caves due to white-nose syndrome. Meet at the Meramec State Park amphitheater for the beginning of the program.

Saturday, December 7

9 a.m. to 2 p.m.

\$10 members; \$12 nonmembers

Meet at Meramec State Park

Visitor Center parking lot

(115 Meramec Park Dr., Sullivan, MO 63080)

and follow the signs to the Indoor Amphitheater from the entrance

Master Naturalist Danny McMurphy

Full Moon Night Hike for Adults (SNR)

For adults. Join us for this 2-hour stroll through evening and into the early night to enjoy the full moon. The sun will have set before the hike starts, but the light of the moon will allow us to enjoy the sights, sounds, and smells of a winter evening at Shaw Nature Reserve. Participants will learn a bit about tallgrass prairies, woodlands, and glades as the hike passes through these ecosystems. All else excluded, the sight of the tallgrass prairie in the moonlight makes the journey to the Nature Reserve worth the time spent. Come prepared for a 2-mile walk over uneven ground.

Friday, January 10

6 to 8 p.m.

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Rachel Weller

Ice Cave Hike (SNR)

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

Friday, January 24

10 a.m. to noon

\$10 members; \$12 nonmembers

Follow the signs from the entrance

Rachel Weller

Evening Raptor Hike (SNR)

Come learn about the raptors that call Shaw nature reserve home such as the barn owl, barred owl, great horned owl, eastern screech owl, American bald eagle, and more. We'll begin indoors with a brief presentation about these amazing animals, hear how conservation efforts like restoration has helped them, and take a 2-mile night hike to view ideal habitat for these animals and potentially hear or see them.

Friday, January 31

6 to 8 p.m.

\$10 members; \$12 nonmembers

Brenda Hente and SNR staff

WANT MORE LIKE THIS?

See Health and Wellness classes on pages 39–40.



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: Fall (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. This fall, participants will learn about a different type of plant (flowers, herbs, bushes, or vines) during each class. 10 to 11:30 a.m.

\$105 members; \$126 nonmembers

Price per child, per 7-session series

One adult per child

Botanical Room

Kelly Wehrheim

Monday Series | 7 Mondays

September 9, 16, 23, 30;

October 7, 14, 21

Tuesday Series | 7 Tuesdays

September 10, 17, 24;

October 1, 8, 15, 22

Wednesday Series | 7 Wednesdays

September 11, 18, 25;

October 2, 9, 16, 23

Little Sprouts: Winter (MBG)

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

10 to 11:30 a.m.

\$60 members; \$72 nonmembers

Price per child, per 4-session series

One adult per child

Botanical Room

Kelly Wehrheim

Monday Series | 4 Mondays

November 18, 25; December 2, 9

Tuesday Series | 4 Tuesdays

November 19, 26; December 3, 10



Little Bugs (BH)

For ages 2 to 4. Explore the world of invertebrates with your toddler while developing language, communication, cognitive, and knowledge skills. Each session includes story time, craft, snack, and an adventure in our native garden or conservatory.

11 a.m. to noon

\$12 members; \$15 nonmembers

Lopata Learning Lab

Maggie Farrell

Speedy Skipper Butterflies

Monday, September 9

Lovely Lady Bugs

Monday, September 23

Moving Monarchs

Monday, October 7

Silly Spiders

Monday, October 21

Beetle Boogaloo

Monday, November 4

Cute Cockroaches

Monday, November 18

Mega Millipedes

Monday, December 2

Bright Butterflies

Monday, December 16

Thrilling Tarantulas

Monday, February 10

Beautiful Beetles

Monday, February 24

Little Nature Explorers (SNR)

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

\$12 members; \$15 nonmembers

SNR staff and volunteers

Teddy Bear's Picnic

Tuesday, September 10

Carriage House

Fun on the Prairie

Tuesday, October 1

Maritz Trail House

Pumpkins and Turkeys

Tuesday, November 5

Adlyne Freund Center

Fall into Winter

Thursday, November 14

Carriage House

Wreath from Natural Materials

Thursday, December 19

Carriage House

Winter Exploration

Friday, January 3

Adlyne Freund Center

Hibernation

Friday, February 28

Adlyne Freund Center



CONNECTING SCOUTS TO NATURE

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 Sophia M. Sachs Butterfly House.

Programs are aligned with badge and award requirements.

- Programs for Troops and Dens
- Scouting Award Workshops
- Scout Night at the Missouri Botanical Garden (April)
- Girl Scout Night at the Butterfly House (April)
- Scout Day at Shaw Nature Reserve (May and October)
- Merit Badge Skill Centers for Boy Scouts
- Overnights at the Missouri Botanical Garden, Shaw Nature Reserve, and Butterfly House

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

Garden Buds: Fall (MBG)

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by September 2 for three or more fall Garden Buds classes, and your child will receive a t-shirt!
10 to 11:30 a.m.

\$16 members; \$19 nonmembers

Botanical Room

Sharon Lloyd or Kelly Wehrheim

Super Seeds

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

Thursday, September 5

10 to 11:30 a.m.

or Sunday, September 8

1 to 2:30 p.m.

An aMAZEing Race

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

Thursday, September 26

10 to 11:30 a.m.

or Sunday, September 29

1 to 2:30 p.m.

Leaf the Fun to Us!

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

Thursday, October 10

10 to 11:30 a.m.

or Sunday, October 13

1 to 2:30 p.m.

Terrific Terrariums

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

Thursday, October 24

10 to 11:30 a.m.

or Sunday, November 3

1 to 2:30 p.m.

Flytraps and Pitfalls

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

Thursday, November 7

10 to 11:30 a.m.

or Sunday, November 10

1 to 2:30 p.m.

Evergreen: A Special Tree for Me!

For ages 4 to 6. Soft and smooth, prickly and sharp! There are many kinds of evergreens. We'll find out what makes an evergreen "ever green," discover who lives in these special plants, and use evergreens to make a special craft.

Thursday, December 5

10 to 11:30 a.m.

or Sunday, December 8

1 to 2:30 p.m.

Wee One Walk (SNR)

For ages birth to age 3. Take a leisurely 1.5- to 2-mile walk with your wee one. We will stop occasionally and use our senses to explore, such as smelling blooming plants, touching tree bark, and looking at birds. This is a great way to get your children outdoors and help them learn how to explore. Strollers and carriers welcome. Come prepared for a short walk. Price per child.

Thursday, September 19

or Thursday, October 17

10 to 11:30 a.m.

\$7 members; \$9 nonmembers

Carriage House

Rachel Weller



Ballet and Butterflies (BH) **NEW**

For ages 2 to 4. All levels. Bring your little ballerina for a fun beginners dance class! We will explore a variety of basic dance techniques while learning interesting information about plants and animals found here at the Butterfly House. Children should come dressed for an active day, including either tennis shoes or ballet slippers.

Monday, September 16

or Monday, October 14

11 a.m. to noon

\$12 members; \$15 nonmembers

Lopata Learning Lab

Lindsey Schmiemeier

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 enjoy a story, hike, and activities as we explore and discover. Come prepared for a short walk. Price per child.

Thursday, September 12

or Thursday, September 26

or Thursday, October 10

or Thursday, October 31

10 to 11:30 a.m.

\$7 members; \$9 nonmembers

Carriage House

Rachel Weller

Birthday Parties

Have your child's next birthday party at the **Butterfly House!**

Parties are perfect for children of all ages and are available year round

Contact us at bhevents@mobot.org to learn more!



AGES 6 AND UP

Budding Artist (MBG)

For ages 6 to 12. Join us each season as we explore the wonders of our natural world!

Make a seasonal nature journal of your very own or learn about an artist who was inspired by nature. Each class will provide a pot-a-plant activity so you can continue to make observations at home. Price per child, per class. One adult per child.

1 to 3 p.m.

\$20 members; \$24 nonmembers

Botanical Room

Kelly Wehrheim

Fall Leaf Pressing

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

Sunday, September 15

Georgia O'Keeffe and Fall Leaves

Explore the English Woodland Garden as we learn about artist Georgia O'Keeffe while painting fall leaves with watercolor pencils.

Sunday, November 17

Winter Observation

Connect with nature in the winter while making an outdoor observation journal with blank and graph pages.

Sunday, December 15

Robert Bateman and Winter Backyard Birds

Join us as we learn about artist and illustrator Robert Bateman and visit the Kemper Center for Home Gardening. While there we'll use oil pastels to draw some winter backyard birds.

Sunday, February 9

Budding Scientist (MBG)

For ages 6 to 12. Join us during your fall and winter breaks to explore and observe plants and animals in the Garden as we become Budding Scientists. We'll learn about plant and animal lifecycles, interactions, and ways to become better stewards of the environment.

Be prepared to spend the entire time outdoors. Price per child, per class. One adult per three children. Younger siblings may attend. Registration is required.

10 to 11:30 a.m.

or 1 to 2:30 p.m.

Free for members; \$3 plus

admission for nonmembers

Meet at Spoehrer Plaza between Latzer Fountain and the Tram Shelter
Kelly Wehrheim

Fall into Phenology

Join us this fall as we explore the plants and animals getting ready for the winter.

Friday, September 13

or Friday, September 20

or Friday, September 27

or Friday, October 11

or Friday, October 18

or Friday, October 25

Celebrate Urban Birds (MBG)

Join us as we celebrate birds by observing them and the plants they use during the winter.

Friday, December 20

or Thursday, December 26

or Friday, December 27

or Monday, December 30

or Tuesday, December 31

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

My Senses Tell Me...

What do your senses tell you? Join us as we let our senses guide us on our walk through the Sensory Garden.
Saturday, September 21

Seeds on the Move

Whether by wind, water, or animals, fur seeds are on the move this time of the year. Join us as we explore seeds big and small.
Saturday, October 19

I Spy Fall

The leaves have fallen, birds have begun migrating, and the weather is cooler. Join us as we search the Garden for other signs of fall.
Saturday, November 16

Trees with Winter Coats

Why do some trees keep their leaves or needles over the winter and others lose them? Join us as we get to know some of the trees in the Garden by their bark, needles, or berries.
Saturday, December 21

Marvelous Mediterranean

With winter upon us, let's visit the Mediterranean climate in the Temperate House. Here we'll find flowers and trees that are sheltered from the cold outside.
Saturday, January 18

Sweet Smells of Indoor Garden

Join us as we explore the Linnean House, the oldest greenhouse west of the Mississippi River. We'll also be able to enjoy the peak blooming time of the camellias.
Saturday, February 15



Visit the

Doris I. Schnuck Children's Garden

Discover, explore, pretend, search, observe, and more! Learn about plants, nature, and history through hands-on activities offered daily.

The Children's Garden is open through November 3. Join us in welcoming fall with special programming and activities.

Plan your visit
at mobot.org

FAMILY PROGRAMMING

Shaw Family Adventures

Join us for an adventure and get hands-on with nature! Each class includes outdoor activities for your family to learn together about the plants and animals of the Nature Reserve while mastering a skill.

Full Moon Night Hike for Families (SNR)

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

Wednesday, November 13

5:30 to 7:30 p.m.

\$10 members; \$12 nonmembers

Price per person

Meet at the Visitor Center

Rachel Weller

Winter Hike for Families

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

Friday, January 31

4:45 to 6:45 p.m.

\$10 members; \$12 nonmembers

Price per person

Follow the signs from the entrance

Rachel Weller

Beetles Rock! (BH) **NEW**

For families with kids 6 and up. Get inspired by nature! In this class, families get to know our beetles and paint a rock to look like a real beetle. You will meet living beetles from the Butterfly House collection, and we will visit the butterflies in our Tropical Conservatory as well.

Sunday, September 15

or Sunday, October 27

2 to 3 p.m.

\$7 members; \$9 nonmembers

Price per child, per class

One adult per child

Lopata Learning Lab

Maggie Farrell

Cocoa and Canvas (BH)

Enjoy an afternoon of cocoa, snacks, and painting with your family. No prior experience is needed. Follow along with an instructor to learn how to paint a colorful butterfly on canvas! All paint supplies, snacks, and cocoa provided.

Sunday, September 29

or Sunday, November 17

2 to 3:30 p.m.

\$32 members; \$38 nonmembers

Price per person

Lopata Learning Lab

Maggie Farrell

Fanciful Fairies (BH) **NEW**

Come learn about our butterflies and the fairies that protect them. Each registrant will create their own garden globe inspired by their favorite fairy from our Tropical Conservatory.

Sunday, November 10

or Sunday, December 8

2 to 3 p.m.

\$7 members; \$9 nonmembers

Price per child, per class

One adult per child

Lopata Learning Lab

Maggie Farrell

Scorpions, Spiders, and Owls...Oh My! (BH)

For families with kids of all ages. Guests will be able to have the unique opportunity to release their own individual butterfly into the Conservatory during this fabulous fall event. Spy on the awesome owl butterfly just as dusk approaches and it begins to take flight. Sip some cider and dunk some donuts before venturing over to the Creepy Crawly Cave, where you will discover spectacular spiders and scorpions. Ages 2 and under free.

Sunday, October 13

5 to 6 p.m.

\$9 members; \$11 nonmembers

Price per person

Meet at the ticket counter

BH staff

Black Friday Gift Making (BH) *NEW*

For kids ages 8 to 12. Join us at the Butterfly House for a fun workshop where we will make gifts, wrap them, and enjoy cookies and hot cocoa. In this drop-off program, children will make three gifts they can give to family or friends. A BH staff member will be present to help everyone complete their crafts and to provide supervision. Each participant will also get to decorate their own butterfly-shaped cookie, enjoy hot cocoa and walk through the Tropical Butterfly Conservatory.

Don't miss this great opportunity to make unique gifts for the holidays and enjoy the holiday season at the Butterfly House.

Friday, November 29

9 a.m. to noon

or 1 to 4 p.m.

\$60 members; \$75 nonmembers

Lopata Learning Lab

BH staff

**Morphos and Muffins (BH)**

For families with kids of all ages. Join us for a unique and unforgettable experience at the Butterfly House. Participants in this program will be able to release a blue morpho butterfly into our conservatory. After the release, spend the rest of the class visiting our butterflies in the calm early morning before we open for the day. Participants will also enjoy a muffin and beverages as part of this program. You may purchase additional releases during the event.

Saturday, February 29

or Saturday, March 21

9 to 10 a.m.

\$9 members; \$11 nonmembers

Price per person

Meet at the ticket counter

BH staff

#NatureGetsLit

GARDEN PARTY LIGHTS



NOW OPEN through Oct. 19

Party all summer long as the Garden becomes your after-hours destination for drinks, lights, music, and dynamic multimedia!

mobot.org/gardenpartylights

SPECIAL EVENTS

MISSOURI BOTANICAL GARDEN



2019 Events

Garden Party Lights.....NOW–Oct. 19
 Henry Shaw's Birthday.....Jul. 24
 Japanese FestivalAug. 31–Sept. 2
 Best of Missouri Market.....Oct. 4–6
 Spirits in the Garden.....Oct. 25
 Gardenland ExpressNov. 23–Jan 1, 2020
 Garden Glow.....Nov. 23–Jan. 4, 2020

2020 Events

Orchid ShowFeb. 1–Mar. 22, 2020
 Meet Me Outdoors in St. Louis April 4–5

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

BUTTERFLY HOUSE

Evelyn E. Newman Founder's Day Celebration (BH)

Join us as we celebrate the day the Butterfly House first opened our doors, 21 years ago! Step into our Emerson Theater to learn about our founder, Evelyn E. Newman, letting her own inspirational quotes guide you through her journey of bringing the Butterfly House to our beautiful city. Experience the awe-inspiring vision of 1,500 free-flying butterflies in the Tropical Conservatory as we offer free admission, in her honor.
Wednesday, September 18
10 a.m. to 4 p.m.
 Free for members and nonmembers

BOOterfly House: Bewitching Bugs and Botanicals! (BH)

Creep on over to the Butterfly House this October as we celebrate all things creepy and crawly. Meet new frightful friends in the Creepy Crawly Cave, uncover the mysteries of our Botanicals Gone Mad in the Tropical Conservatory, and spy on spectacular spiders with The Muffet Family! Muffet Family Story Time at 10:30 a.m. daily. Live carnivorous plant feedings with Professor Von Trap at 1:30 p.m. daily.
Tuesday–Sunday,
October 1–31
10 a.m. to 4 p.m.
 Free for members; included with admission for nonmembers; ages 2 and under are free



Wicked Wings and Wine (BH)

Spiders and beetles and butterflies, oh my! Join us for an absolutely wicked happy hour at the Butterfly House! As twilight approaches, sample local brews and wines while you learn about our owl butterflies, which are most active at dusk. Encounter spook-tacular feathered friends from the World Bird Sanctuary or take a stroll through the torch-lit Native Butterfly Garden. Dare to try a Chocolate Chirp Cookie or barbecued meal worms, compliments of the Bug Chef! Don't worry...other light appetizers will also be provided! Ages 21 and up.
Friday, October 4
or Friday, October 11
5:30 to 7:30 p.m.
\$25 members; \$35 nonmembers;
\$15 designated driver

Special Events continued...

Bug Ball (BH)

Your little bugaboos will play games, create spook-tacular crafts, and take home lots of loot after they visit our many hand-painted Treat Houses. Get your face painted or visit the Tropical Conservatory to spy on amazing owl butterflies, which are only active during dusk. When tummies rumble, guests will munch on items such as creepy pizza fingers, scream cheese, petrifying pastries, eerie pudding, frightful fruit, pumpkin punch, and so much more! At the end of the evening, families will be dancing to monster jams at the Bug Ball dance party. Admission into the Butterfly House, activities, refreshments, crafts, treats, and goody bags are included in the event ticket price. **Saturday, October 26**

5:30 to 7:30 p.m.

\$12 members; \$14 nonmembers

Price per person, ages 12 months and under are free



Books and Butterflies (BH)

Join us for special story time readings featuring VIP guests each day! We'll be meeting friends from some of your favorite St. Louis landmarks and cultural organizations, as well as local authors, sports mascots, and more! Visit our website, butterflyhouse.org, to find our "Books & Butterflies Reader Calendar." You just never know who might be stopping by!

Tuesday–Friday,

November 5–December 27
11 a.m.

Free for members; included with admission for nonmembers
Emerson Theater

Winter Jewels:

An Enchanted Celebration (BH)

Escape the cold and experience Winter Jewels: An Enchanted Celebration as the Butterfly House transforms into an enchanted land this winter! In the Conservatory you'll find 10 fairy gardens, featuring homes of the guardians to our jewel-toned butterflies. Meet a fierce dragon and noble knights at the castle, play games with new friends in the Gnome Forest, and learn how to cast magical spells throughout all the lands!

Tuesday–Sunday,

November 5–December 29

10 a.m. to 4 p.m.

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

Supper with Santa (BH)

Before making his big trip around the world, Santa is stopping by the Butterfly House! Don't miss Supper with Santa, where fun family memories are sure to be made. Enjoy a delicious dinner sponsored by Noodles & Company and see how the butterflies get into the holiday spirit by taking night strolls through the Tropical Conservatory. Santa's Workshop stations will offer children the chance to make fun crafts and act silly in the photo booth. After dinner, visit Mrs. Claus's Cookie Kitchen for cookies and hot cocoa. The evening would not be complete without getting a souvenir picture with the guest of honor, Santa!

Friday–Sunday,

December 13–15 or 20–22

5:30 to 7:30 p.m.

\$20 members; \$25 nonmembers; ages 12 months and under are free

Hot! Hot! Hot! (BH)

Don't get "bogged down" this winter, come to the Butterfly House for Hot! Hot! Hot! Wade through the exhibit hall to find swamp-themed activities including face painting, crafts, and live animal encounters.

Saturday, January 25

and Sunday, January 26

10 a.m. to 4 p.m.

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

Friday Night Flights (BH)

If you can't travel to NOLA for Mardi Gras, then don a mask and celebrate like a member of the Krewe of Morpheus at the Butterfly House! We are joining forces with the magnificent Blue Morpho butterfly and Morpheus, the God of Dreams, for an evening like no other! In the midst of jazz music, nosh on appetizers and experience new wines and other libations from local vendors. Guests will even get to take home a souvenir tasting glass. Ages 21 and up.

Friday, February 14

or Friday, February 21

5:30 to 7:30 p.m.

\$25 members; \$35 nonmembers;

\$15 designated drivers

Morpho Mardi Gras (BH)

Escape the cold by visiting Morpho Mardi Gras: Bugs, Butterflies, and Beads! Shake off the winter blues and bring your Krewe to the carnival during the months of February and March. Join the party at our Bugs on Parade, make a masquerade mask, and immerse yourself in a sea of blue as the Butterfly House floods the Tropical Conservatory with thousands of Blue Morpho butterflies. Inaugurate the season with these and other majestic creatures. Throughout the event, visitors will be able to see thousands of 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.

Tuesday–Sunday,

February 1–March 31

10 a.m. to 4 p.m.

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

**SHAW NATURE RESERVE****Fall Wildflower Market (SNR)**

This special plant sale and native landscaping event is geared for new and experienced gardeners. Whitmire Wildflower MBG staff and guest experts will be in the garden to assist you with your gardening questions and show you how native plants can be used in landscaping. Stroll through the gardens and gain inspiration from the mature plantings. Woodland gardens, glade and rock gardens, and a Home Landscape Demonstration area are just some of the gems within this special area of Shaw Nature Reserve. Held rain or shine. Come prepared for a short walk.

Friday, September 6

2 to 7 p.m.

Free for members; included with

admission for nonmembers

**Follow the signs from the entrance
SNR staff and volunteers**

Old-Time Christmas Music (SNR)

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

Friday, December 13

7 to 8:30 p.m.

\$26 members; \$31 nonmembers

**Adlyne Freund Center
Downstream**

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CLASS INFORMATION AND 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:

Video recording classes is prohibited. 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



Give the gift of knowledge!

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

REGISTRATION FORM

Name: _____ Gender*: _____

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

Address: _____ City/State/Zip: _____

Home Phone: _____ Work Phone: _____

Email: _____

** Gender information needed only for overnight programs.*

Course Name	Attendee	Location	Date	Fee

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, 4344 Shaw Blvd., St. Louis, MO 63110

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

CLASSES ARE ALSO OFFERED AT:

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

Monsanto Center
4500 Shaw Blvd.
St. Louis, MO 63110

Shaw Nature Reserve
307 Pinetum Loop Rd.
Hwy 100 at I-44 (exit 253)
Gray Summit, MO 63039
(314) 577-9526

Sophia M. Sachs
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