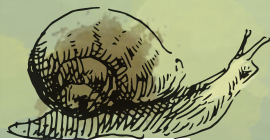


REGISTRATION BEGINS
1
AUG

English Thyme
Thymus vulgaris



Learn +
Discover
classes for adults,
youth + family

Maidenhair Tree
Ginkgo biloba



Carpenter Ant
Camponotus species



MISSOURI
BOTANICAL
GARDEN



SHAW
NATURE
RESERVE



Butterfly
House

Fall–Winter 2018/2019
September–February
mobot.org/classes

Offered for a diversity of learners, from young explorers to budding enthusiasts to skilled gardeners, our courses have been expertly designed to educate, inspire, and enrich. Most importantly, they are intended to strengthen the connections each of us has with the natural world and all its wonders. Come grow with us!

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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 Please recycle.

Designer: Emily Rogers
 English thyme illustration: Morgan Hutcherson


Photography: Matilda Adams, Flannery Allison, Hayden Andrews, Justin Barr, Kent Burgess, Karen Fletcher, Lisa DeLorenzo Hager, Ning He, Kevin Kersting, Bailie Kleekamp, Kathy Melton, Phoebe Mussman, Kat Niehaus, Mary Lou Olson, Bethany Ottens, Robin Powell, Emily Rogers, Sundos Schneider, Dug Threewitt, and courtesy of Butterfly House Staff.

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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

An Evening of Wine and Painting (SNR)

You and your friends are formally invited to Shaw Nature Reserve to enjoy an evening of wine and painting. No prior painting skills necessary. This class is geared towards beginners ready to explore their artistic side. Follow along with an instructor to create a masterpiece of your own!

Wednesday, September 5

Carriage House

or Wednesday, December 5

Adlyne Freund Center

6 to 8 p.m.

\$45 members; \$54 nonmembers

Bailie Kleekamp

Botanical Card Making and its History (MBG)

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

Saturday, September 8

9 to 11 a.m.

\$33 members; \$39 nonmembers

Missouri Room

Brittany North

Amigurumi 101 (SNR) **NEW**

This class is for experienced crocheters. Get involved in the amigurumi craze and learn how to make crocheted toys 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 toy by the end of the day. Tips and ideas for other projects will be shared as well. Supply list provided at registration. Bring a sack lunch. We will provide Safety Eyes, contrasting color yarn, buttons, and poly-fill Fiber Fill for stuffing.

Saturday, September 8

9 a.m. to 3 p.m.

\$30 members; \$36 nonmembers

Adlyne Freund Center

Linda Brown



Paint and Sip (BH)

Join us for a night of relaxation and painting! Everyone will learn how to expertly paint a colorful work of art on canvas. Participants can also explore the Tropical Conservatory at night and enjoy wines from local vendors. Light snacks will be available too. Must be 21+ to attend.

Wednesday, September 12

or Friday, November 9

5:30 to 7:30 p.m.

\$45 members; \$54 nonmembers

Lopata Learning Lab

Butterfly House staff

Gourd Crafting (SNR)

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

Friday, September 14

10 a.m. to noon

\$20 members; \$24 nonmembers

Carriage House

Rachel Weller

The Long-Stitch Bookbinding (MBG) **NEW**

This simple, yet beautiful, structure seen in the Garden's collection is a basic book structure 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 its collection. The cover of your long-stitch book can be decorated with stamped impressions in the leather. Be prepared to walk and stand during class.

Saturday, September 15

9 a.m. to noon

\$57 members; \$68 nonmembers

Monsanto Center, Library

Joanne Kluba

Wine Bottle Reuse (MBG)

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

Saturday, September 22

noon to 3 p.m.

\$40 members; \$48 nonmembers

PlantLab

Perennial

DIY Herb Drying Rack (MBG)

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

including sawing, drilling, and wood finishing.

Thursday, September 27

7 to 9 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for Science

Education, Room 129

Perennial

DIY Garden Rocks (SNR) *NEW*

Join us to paint smooth rocks that will brighten up your garden! Rocks can be used as garden markers for your favorite plants or for extra color and whimsy. Participants will have time to design and paint three to five rocks and enjoy a stroll in the Whitmire Wildflower Garden. Bring your craft apron and wear walking shoes.

Friday, September 28

10 a.m. to noon

\$15 members; \$18 nonmembers

Carriage House

Jessica Kester

**A Spa Evening (MBG)**

Would you love to treat yourself to a spa evening? Learn the basics of aromatherapy safety and blending of fragrances to create products you can use to give yourself a spa evening at home. 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.

Tuesday, October 2

7 to 9 p.m.

\$38 members; \$46 nonmembers

Missouri Room

Deb Jenkins

Create a Whimsical Yard**Sculpture (MBG) *NEW***

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 interspersed with buttons and beads. You will also learn wire weaving techniques for "color blocking" entire areas.

Tuesday, October 16

6 to 8 p.m.

\$37 members; \$43 nonmembers

Missouri Room

Jody Chassin

Think About Tables Workshop (SNR)

Ages 13 and up (17 and under need guardian).

In North America, bush honeysuckle

(*Lonicera maackii*) is an invasive species.

Yet honeysuckle wood is sturdy, strong, grows in interesting shapes, and is ideal for transforming a problem into a creative opportunity. View a demonstration and make your own table to take home.

Saturday, October 20

or Saturday, November 17

9 a.m. to 3 p.m.

\$40 members; \$48 nonmembers

Follow the signs from the entrance

Dale Dufer

DIY Crafts continued...

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. Bring gloves if you like.

Tuesday, October 23

6 to 7:30 p.m.

\$48 members; \$58 nonmembers

Botanical Room and 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 garden gloves if you wish.

Saturday, October 27

10 to 11:30 a.m.

\$35 members; \$42 nonmembers

Botanical Room

Suzanne Hirth

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.

Thursday, November 1

6 to 7:30 p.m.

or **Tuesday, February 5**

5:30 to 7 p.m.

\$48 members; \$58 nonmembers

Botanical Room

Sharon Lloyd

Needle Felting (MBG)

Needle felting is a simple, dry-felting technique that uses roving (unspun wool) and a special needle tool to apply the fiber to a backing to create an appliqué or to create a three-dimensional soft sculpture. In this class, you will make a 10" teddy bear with moveable arms and legs. The possibilities for creative embellishments and accessories are endless.

Saturday, November 3

9 a.m. to noon

\$44 members; \$53 nonmembers

Garden Room

Suzanne Hirth

Weave Your Own Table Runner (MBG) **NEW**

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 beginner. Bring a snack if you like.

Saturday, November 3

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

\$75 members; \$90 nonmembers

Beaumont Room

Jill Kettler

Craft a Clay Fairy House (MBG)

Add some magic to your miniature garden this winter with clay artist Mary Henderson. Using hand-building techniques, she will teach you how to make a cute, 4" x 4" fairy house and miniature accessories in this hands-on workshop. No clay experience needed. Fired pieces will be ready for pick-up at the Center for Home Gardening after November 20. Please bring an apron or wear work clothes.

Monday, November 5

6 to 8 p.m.

\$40 members; \$48 nonmembers

Botanical Room

Mary Henderson

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

Origami 3D 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 before you start using your favorite recycled wrapping 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. You'll make four stars in class, plus take home instructions to make more at home. Instructions for recycled paper will be provided at registration.

Tuesday, November 6

6 to 8 p.m.

\$41 members; \$49 nonmembers

Botanical Room

Jody Chassin



Gardens in Miniature: Fairy Gardening

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.

\$48 members; \$58 nonmembers

Sharon Lloyd

at the Missouri Botanical Garden
Thursday, November 8
5:30 to 7 p.m.
Missouri Room

at the Butterfly House
Saturday, November 17
10 to 11:30 a.m.
Lopata Learning Lab

Nature Inspired Wreaths (off-site)

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

Saturday, November 10
noon to 2 p.m.

\$40 members; \$48 nonmembers
Greenscape Gardens (2832 Barrett
Station Rd., Ballwin, MO 63021
Greenscape Gardens staff

Upcycled Macramé Plant Hanger (MBG) **NEW**

Hang your plants in style with colorful macramé plant hangers! In this class, you will learn how to transform unwanted t-shirts into a yarn that can be used to make a macramé plant hanger. Participants will learn a variety of macramé knots that will support many different sized pots. Bring in your own pot or upcycled container or use one provided in class. Continue to use your skills outside of class to turn your home into an indoor jungle!

Thursday, November 15

6 to 9 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for Science
Education, Room 129

Perennial

Basketmaking 101: Ring in the Holiday Basket (MBG) **NEW**

Add a bit of holiday cheer with this handy basket, perfect for holiday cards or saving ribbon for reuse. This beginner basket has a 3¼" x 7" filled base and the sides are woven in a stair step fashion increasing to a height of 8". The basket uses several weaving techniques and a variety of reed sizes and types, and is embellished with a bell. Bring a sack lunch.

A tool list will be included at registration.

Saturday, December 1

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

\$48 members; \$58 nonmembers

Beaumont Room
Stephanie Arnold

Soldered Botanical 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, December 1

10 a.m. to 1 p.m.

\$50 members; \$60 nonmembers

Commerce Bank Center for Science
Education, Room 126

Perennial

DIY Crafts continued...

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. Bring pruning shears and garden gloves.

Friday, December 14

10 a.m. to noon

or 2 to 4 p.m.

\$40 members; \$48 nonmembers

Adlyne Freund Center

Shaw Nature Reserve staff and volunteers

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 the 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 7

Missouri Room

or Saturday, December 8

Beaumont Room

10 a.m. to noon

\$45 members; \$54 nonmembers

Tammy Palmier

Creative Flower Arrangements (MBG)

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

\$36 members; \$43 nonmembers

Sharon Lloyd

Late Summer Harvest

Wednesday, September 12

5:30 to 7 p.m.

Missouri Room

Fall Harvest Arrangement **NEW**

Tuesday, October 9

5:30 to 7 p.m.

Missouri Room

Winter's Bounty

Saturday, December 15

10 to 11:30 a.m.

Botanical Room

The Season of Love

Tuesday, February 12

5:30 to 7 p.m.

Botanical Room

Knit Rag Rugs (MBG)

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

Saturday, January 5

10 a.m. to noon

\$38 members; \$44 nonmembers

Missouri Room

Suzanne Hirth



Weaving 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 tabby weave, which is great for a first-time project. You will have several colors to choose from. Bring a sack lunch.

Saturday, January 12

9:30 to 2:30 p.m.

\$75 members; \$90 nonmembers

Garden Room

Jill Kettler

Iris Origami Heart (MBG) **NEW**

Create a unique 5" x 6½" note card or picture to frame at home in this hands-on class. With instructions and a template to take home, you will create an iris origami heart, choosing from a rainbow of papers including recycled magazine pages and gift wrap. Jody will guide you through the entire process to create a gorgeous heart. These are so much fun to make, you might want to make many more on your own!

Wednesday, January 23

6 to 8 p.m.

\$39 members; \$47 nonmembers

Botanical Room

Jody Chassin

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 Earth in mind! You'll get info about where to discover the best "trash" in St. Louis. We'll leak some of Perennial 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 a 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 24

7 to 9 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 129

Perennial

Soldered Specimen Frames (MBG) *NEW*

Create an upcycled specimen frame from scraps of glass and pressed botanicals! Participants will learn to use recycled glass, copper foil, flux, and lead-free solder to sculpt their custom frame. Perennial staff will demonstrate how to safely use a glass cutter and grinder to create custom shapes from found clear glass, and how to preserve plants through pressing. Participants will also learn how to create and attach a custom sized jump ring with chain to hang their frame with. Feel free to bring in broken glass pieces and pressed plants to use in your frame. 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, February 2

10 a.m. to 1 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for Science

Education, Room 126

Perennial

Soapmaking 101 (BH)

This 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 1 pound of handmade soap.

Saturday, February 9

1 to 4 p.m.

\$60 members; \$72 nonmembers

Lopata Learning Lab

River City Soapworks

Succulent Dish Garden (MBG)

Succulents are hot, hot, hot! Come learn about the care and culture of these wonderful plants and design a beautiful succulent dish garden for your home.

Thursday, February 14

5:30 to 7 p.m.

\$48 members; \$58 nonmembers

Botanical Room

Sharon Lloyd

Mosaic Stepping Stones (MBG)

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

Saturday, February 16

1 to 4 p.m.

\$40 members; \$48 nonmembers

PlantLab

Perennial

Hydroponic Basics (MBG) *NEW*

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 setup your own DIY hydroponics.

Saturday, February 9

10 a.m. to noon

\$63 members; \$76 nonmembers

Missouri Room

Aaron Lynn-Vogel

FINE ARTS

Oil Painting (MBG)

All levels. 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 6, 13, 20, 27; October 4, 11

9:30 a.m. to noon

\$135 members; \$162 nonmembers

Beaumont Room

Tito Gay

Watercolor: Painting With An Artist's Eye (MBG)

Intermediate. To make a painting have impact, artists must enhance the ordinary to make it extraordinary. By applying luminous color, value contrast, and implementing design principles, Judy will show you how to open your "artist" eye to visualize possibilities and creative interpretations in your own artwork. Students should have basic knowledge of watercolor technique. Supply list provided at registration. Studio only.

8 Fridays

September 7, 14, 21, 28; October 5, 12, 19, 26

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Center for Home Gardening Classroom

October 5, 12

Commerce Bank Center

for Science Education, Room 125

Judy Seyfert

The Garden in Watercolor (MBG)

All levels. Capture the beauty of the Garden in watercolor while learning new techniques and composition skills. Through demonstrations and critiques, you will receive individual and group instruction outdoors, when weather permits. Supply list provided at registration.

5 Mondays

September 10, 17, 24; October 1, 8

9:30 a.m. to noon

\$88 members; \$105 nonmembers

Garden Room

Mary Dee Schmidt

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

All levels. Knowledge, combined with experience and tenacity, is the key to success in watercolor.

Through group and individual instruction, Judy will demonstrate classic watercolor tricks and techniques that are the building blocks for impressive paintings. There is a method to paint almost everything from folds on a petal to reflections on water and much more. All you have to do is learn the technique. Supply list provided at registration. Studio only.

6 Mondays

September 10, 17, 24; October 1, 8, 15

6:30 to 9 p.m.

\$135 members; \$162 nonmembers

Missouri Room

Judy Seyfert

Watercolor: Art for the Holidays (MBG)

All levels. Ralph Waldo Emerson once said, "The greatest gift is a portion of thyself."

What better gift to give than your own personal piece of art. Artists will create small watercolors to be given framed as gifts or used as Christmas cards. From landscapes to flowers to abstracts, you will paint dozens of small paintings that will delight you and your friends. Artists of all levels will enjoy the creative process in making these wonderfully unique paintings. Supply list and class locations provided at registration. Studio only.

6 Saturdays

October 13, 20, 27; November 3, 10, 17

9:30 a.m. to noon

\$135 members; \$162 nonmembers

Botanical Room

Judy Seyfert

Watercolor: January in Bloom (MBG)

Intermediate. Watercolor is the perfect medium to paint flowers, from the traditional and conventional to boldly pushing the boundaries of design through experimentation. Using alternative surfaces and mixed media the beauty of flowers will be translated into expressive, vibrant, and colorful paintings. Supply list provided at registration. Studio only.

5 Fridays

January 4, 11, 18, 25; February 1

10 a.m. to 1 p.m.

\$150 members; \$180 nonmembers

Commerce Bank Center for Science

Education, Room 125

Judy Seyfert

Drawing Backyard Birds (SNR)

All levels. Do you enjoy watching the birds while exploring the outdoors? Or from the comfort of your home with a feeding station on the other side of the window? Have you ever wished you could capture these lively little critters on paper? If so, then join us for a series of three classes on drawing backyard birds. We will explore the following methods: warm-up exercises for drawing, different drawing techniques, and journaling activities. Brief background information will be shared about the birds we investigate to help us get a better understanding of how they share the world with us. This series offers you the opportunity to start exploring birds at a whole new level! Both beginners and those that want to broaden their drawing skills are welcome, although artistic skills are not necessary. NOTE: Participation in all three classes in this series will maximize participants' drawing opportunities. However, signing up for one or two sessions is also an option. Supply list provided at registration.

Thursday, January 17

or Thursday, January 24

or Thursday, January 31

9:30 a.m. to noon

\$25 members; \$30 nonmembers

Adlyne Freund Center

Angie Jungbluth

Sketching and Journaling Through the Seasons (SNR) *NEW*

All levels. Love the outdoors? Would you like to experience it at an even deeper and richer level? Embark with us on a journey through the seasons as we explore the world around us through nature journaling. This is the art of drawing what you see in nature. Both beginners and those that want to broaden their artistic skills are welcome, although artistic skills are not necessary. Each month you will walk outside exploring and practicing new journaling ideas and techniques that will get you well on your way to savoring more deeply those outdoor moments, capturing the world around you, and creating memories and accounts in your journal that will last a lifetime. Supply list provided at registration. Come prepared for a short walk. Class will move indoors for inclement weather.

Thursday, September 6

or Thursday, October 11

or Thursday, November 8

9:30 a.m. to noon

\$25 members; \$30 nonmembers

Adlyne Freund Center

Angie Jungbluth

Plein-Air Oil Workshop (SNR)

All levels. Enjoy *Plein-air* oil painting in the Whitmire Wildflower Garden with oil artist Jan Trager. *Plein-air* is a French term that means painting done outside while directly observing the landscape. We'll begin with a demonstration, followed by independent painting with instructor support. Our session will wrap up with time to discuss progress and answer any questions. Supply list provided at registration. Bring a sack lunch or snacks.

Saturday, September 15

9 a.m. to 2 p.m.

\$30 members; \$36 nonmembers

Carriage House

Jan Trager

Plein-Air Watercolor Workshop (SNR) *NEW*

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. Our session will wrap up with time to discuss progress and answer any questions. Supply list provided at registration. Bring a sack lunch.

Friday, September 21

9 a.m. to 2 p.m.

\$30 members; \$36 nonmembers

Carriage House

Theresa Long

Nature Poetry Walk (SNR) *NEW*

All levels. Learn the fundamentals of poetry writing and get your creative thoughts flowing with the help of these two professional writers. Then head outside on a walk on the Whitmire Wildflower Garden to gain inspiration as your write. Come prepared for a meandering, 1-mile hike on uneven ground.

Saturday, November 3

9 a.m. to noon

\$20 members; \$24 nonmembers

Carriage House

Robert Lowes and Nancy Pritchard

PHOTOGRAPHY

GARDEN PHOTOGRAPHY



Photography Boot Camp I (MBG)

Beginner/Intermediate. Tired of going through confusing manuals and not understanding where to start? In this multi-session, hands-on course, we will simplify your life by explaining the key functions on your camera, why they are important, and how to use them to your advantage. We will also discuss camera settings, ISO settings, white balance, and a few other critical features. You should bring a camera and manual to the classes as you will have some class time to practice what you have learned. **\$140 members; \$168 nonmembers**
Scott Avetta

4 Tuesdays

September 11, 18, 25; October 2

9:30 a.m. to noon

Center for Home Gardening Classroom

or 4 Wednesdays

September 12, 19, 26; October 3

6:30 to 9 p.m.

Botanical Room

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. 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. **\$70 members; \$84 nonmembers**
Scott Avetta

2 Tuesdays

October 9, 16

9:30 a.m. to noon

Center for Home Gardening Classroom

or 2 Wednesdays

October 10, 17

5:30 to 8 p.m.

Botanical Room



Fall in the Garden Photography (MBG)

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

2 Mondays

October 15, 22

4:30 to 6 p.m.

\$70 members; \$84 nonmembers

Botanical Room

Scott Avetta

Understanding Light (MBG) *NEW*

All levels. A better understanding of light in the field is critical to stronger photography. We will learn about many types of light and how to best use them to your benefit. We will also cover some options on products that can improve lighting conditions, like reflectors. Optimize your images by using the light to your advantage.

2 Tuesdays

November 6, 13

6 to 8:30 p.m.

Photo shoot Sunday, November 11

7 to 11 a.m.

\$112 members; \$134 nonmembers

Garden grounds, Garden Room, Missouri 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.

Thursday, October 18

9:30 a.m. to noon

\$35 members; \$42 nonmembers

Center for Home Gardening Classroom

Scott Avetta

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

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

Thursday, October 25

9 a.m. to noon

\$52 members; \$62 nonmembers

Meet at the ticket counter

Scott Avetta

Capturing the Garden Glow: Basics (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. With tips and tricks from your professional photography instructor, you will take wonderful photos of Garden filled with light. Class fees include admission to the event after the 2½ hour class with 1-hour non-public and 1½ hour with public photo shoot. The use of a tripod is highly recommended.

Monday, November 19

or Monday, November 26

4 to 6:30 p.m.

\$65 members; \$78 nonmembers

Meet in front of Shoenberg Theater

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 2½ hour class with 1-hour non-public and 1½ hour with public photo shoot. The use of a tripod is highly recommended.

Tuesday, November 27

or Monday, December 3

4 to 6:30 p.m.

\$65 members; \$78 nonmembers

Meet in front of Shoenberg Theater

Scott Avetta

**Key Equipment in Your
Camera Bag (MBG)**

All levels. Have more equipment than you need? Learn to downsize your camera equipment to the essentials. Scott Avetta will cover all the tools of trade you need in your camera bag and what problems they can solve. He will review what lens options you'll want and when to use them. Be surprised that his equipment tips aren't always about buying the most expensive items. And he will cover all tools that every photographer should carry (and what to leave behind).

Saturday, February 16

10 a.m. to noon

\$28 members; \$34 nonmembers

Botanical Room

Scott Avetta

Photography continued...



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 19
or **Tuesday, February 26**
5:30 to 8 p.m.

\$52 members; \$62 nonmembers
Meet at the ticket counter
Scott Avetta

BUTTERFLY HOUSE PHOTOGRAPHY

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

Thursday, October 11
5:30 to 8 p.m.

\$38 members; \$46 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 12
9:30 a.m. to noon

\$38 members; \$46 nonmembers
Meet at the ticket counter
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 11
9:30 a.m. to noon

\$38 members; \$46 nonmembers
Meet at the ticket counter
Scott Avetta

SHAW PHOTOGRAPHY

**Astrophotography (SNR) *NEW***

All levels. Learn to capture the Milky Way and star trails in a beautiful Shaw Nature Reserve setting. October is the last month this year to photograph the Milky Way's galactic core before it sets below our horizon. Weather permitting, participants will shoot both Friday and Saturday night. Saturday afternoon's lecture covers planning your shot, composition, light painting, and photo processing using Adobe Lightroom. Participants should have a good working knowledge of their camera's menus and basic Adobe Lightroom knowledge. You will need to bring a DSLR camera, wide angle lens, tripod, remote shutter release, headlamp with red light, and laptop with Adobe Lightroom loaded.

Friday, October 5

7 to 11 p.m.

and Saturday, October 6

4 to 11 p.m.

\$70 members; \$84 nonmembers

Adlyne Freund Center

Lonnie Gatlin

Fall Close-Up Photography (SNR)

All levels. At this time of year, things are already starting to transition. In this outdoor class, Scott Avetta will discuss the importance of subject selection, working a subject and background. You will learn the critical element of light and how to use it with one-on-one assistance. Participants should have a basic understanding of their camera. Dress for the outdoors. The use of a tripod and cable release or remote is recommended. A macro lens is not required. Come prepared for a short walk.

Saturday, September 29

7 to 11 a.m.

\$55 members; \$66 nonmembers

Carriage House

Scott Avetta

did you know?

**Members always
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prices on classes.**

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Photography continued...

Light + Discovery Workshop (SNR)

Intermediate. Light is our language. Direction, color, and quality of light impact images in powerful ways. Light + Discovery Photo Workshops enhance participant's 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 one day of photography presentations, instruction, shooting in the field, and lunch. It is limited to 12 participants. Lunch provided.

Saturday, November 10

9 a.m. to 4 p.m.

\$110 members; \$132 nonmembers

Adlyne Freund Center

Dan Dreyfus



Picturing People—Making Better Portraits at the Holidays (SNR) **NEW**

All levels. Is there anything more exciting—or exasperating—than making a good portrait? People you know, people you don't know, at the holidays, on location, in the studio, when you travel, seriously, 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 workshop, we'll learn to do it with more confidence and success. The holidays are the perfect occasion to practice. Join us for an action-packed day of photography and get ready to shoot your best portraits ever! Lunch provided. Special instructions provided at registration.

Saturday, December 1

9 a.m. to 4 p.m.

\$130 members; \$156 nonmembers

Dana Brown Overnight Center

Robert George

Scanning, Restoring, and Archiving Old Photographs (SNR) **NEW**

All levels. This one day workshop with photographer Jeff Hirsch will teach participants how to preserve and restore old photographs. 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. Lunch provided.

Saturday, February 9

9 a.m. to 3 p.m.

\$65 members; \$78 nonmembers

Adlyne Freund Center

Jeff Hirsch

OFF-SITE PHOTOGRAPHY

Along the Riverfront (off-site)

Beginner/Intermediate. All-new itinerary! Join Richard Reilly on a tour of interesting architectural and historic sites along the St. Louis Riverfront as he helps you to create artistic photographs directed at composition and observation of details in various structures. Reilly documents the built environment as part of his work with the Garden's EarthWays Center and also serves as the principal photographer for *All the Art* magazine. He shows his work regularly in St. Louis galleries. Bring any camera that you wish, but this class is not for beginners. You should be familiar with the workings of your camera. Be prepared to walk as far as 4 miles. Class will meet/park on the roof of Stadium Garage East.

Saturday, October 6

10 a.m. to 1 p.m.

\$40 members; \$48 nonmembers

Meet on the roof of Stadium Garage East

(200 S. Broadway, St. Louis, MO 63102)

Richard Reilly

FOOD AND COOKING

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

CULTURAL INSPIRATIONS

Vegetarian Paella! (MBG) **NEW**

Join us for an evening of Spanish fun as we explore the world of paella—vegetarian style! We will 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 some *tapas*.

Monday, September 17

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Marianne Prey



Fall Desserts with a French Twist (MBG)

This class will show you how to turn apples and pears into simple and delicious desserts! We'll begin with a very easy, always successful, family recipe: "*lespinasse*." *Tarte tatin*, apple cake with French classic *tarte bourdaloue* will also be on the menu.

Tuesday, September 25

6 to 8 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

The Influence of Bosnian Culture in St. Louis Cooking (MBG) **NEW**

St. Louis boasts the largest population of Bosnians outside of Bosnia itself. They've brought with them a rich culture of traditional knowledge, and their intricate cuisine is a fun way to enter Balkan life. Garden ethnobotanist, Ashley Glenn, will team up with Bosnian cooks to demonstrate popular Bosnian dishes like the phyllo pie, called *pita*, phyllo dessert, *baklava*, and others.

Tuesday, October 2

6 to 8:30 p.m.

\$44 members; \$53 nonmembers

Center for Home Gardening Classroom

Ashley Glenn

Adventurous Eating:

Learn to Cook Insects (BH)

With Halloween just around the corner, add something truly creepy to the party menu. Our chefs will prepare a variety of dishes with insects as a main ingredient. Learn how insects are a sustainable and nutritious food source used worldwide. Our chefs will also provide sources for acquiring the other ingredients used in the demonstration dishes. In this class, you will sample real edible insects. Be advised, people with allergies to shellfish should not consume insects.

Friday, October 5

6:30 to 7:30 p.m.

\$37 members; \$43 nonmembers

Lopata Learning Lab

Chris Hartley and Tad Yankoski

Queen's Cuisine's Hearty Soups (MBG)

Back by popular demand with all-new recipes! What better time to learn how to make delicious, homemade soups than on a chilly autumn day? Our favorite English chef Jane Muscroft demonstrates how to make creamy celery and rosemary soup, spicy butternut squash soup, and chicken and quinoa soup. Also serving freshly baked bread. So grab a spoon and join us for a tasty fall cooking class.

Monday, October 15

6 to 8 p.m.

or Monday, October 22

or Monday, October 29

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft

Crepes and Galettes (MBG) **NEW**

Come and learn how to make delicious sweet crepes and savory galettes *brettonnes* from scratch. It's going to be fun and yummy! During class, Caroline will show you how to make both batters—cook crepes and galettes—and garnish them with sweet and savory fillings such as caramel *au beurre sale* galette and many others.

Tuesday, October 16

6 to 8 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Food and Cooking continued...

Viennoiseries (MBG) **NEW**

Making your own croissants and *pains au chocolat* is as rewarding as baking your own bread, and it's also delicious. In this class, Caroline will show you how to make croissants and *pains au chocolat* dough, and how to shape and bake them. We will also make almond croissants, and of course you will get to taste all of them!

Saturday, November 3

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Paella! (MBG)

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

Monday, November 5

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Marianne Prey

Afternoon Tea With a Royal Twist (MBG)

An annual holiday tradition. Learn to serve a holiday tea with Jane Muscroft, owner of the Queen's Cuisine. She will be making goat cheese and glazed walnut finger sandwiches; scones with strawberry jam and clotted cream; traditional English trifle; a chocolate log; and hot Earl Grey tea.

Monday, November 26

or Monday, December 3

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Jane Muscroft

Mardi Gras! St. Louis Style! (MBG)

Back by popular demand with all-new recipes, Chef Diana Smith will show you how to bring New Orleans flavor to your kitchen. She will teach you how to make chicken and sausage jumbo, red beans and rice, eggplant and seafood *au gratin*, sweet corn muffins, and classic New Orleans bread pudding with bourbon sauce. While never leaving St. Louis, where we know how to celebrate Mardi Gras!

Saturday, January 12

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

Regional French Specialties (MBG) **NEW**

This class will take you on a trip to sample some of the diversity of regional French cooking. For this class, Caroline will demonstrate how to make *flammekueche* (Alsace), *gratin dauphinois* (Phone Alpes), *salade landaise* (Aquitaine) and *far breton* (Bretagne). Come join us on this culinary adventure across France!

Saturday, February 9

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

EAT MORE PLANTS

Preserving the Fall Harvest in Your Freezer (MBG) **NEW**

Chef Lana Shepek will teach you how to freeze in-season, local fruits and vegetables for family meals and how to match the best type of freezing containers with your harvest. Her triple-berry jam recipe requires no cooking. Keep the freezer apple pie filling on hand for family meals and holidays. End-of-the-season garden freezer slaw and a vegetable fall soup will make meals easy and quick. Harvest your summer herbs and learn how to freeze them for the best flavor when making freezer basil pesto.

Tuesday, September 4

7 to 9 p.m. \$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Lana Shepek

Figs Galore! (MBG)

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

Saturday, September 8

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

A Perfect Time to Fall for Herbs (MBG)

The herbs are showing their best selves in the fall. Come along with us and fall into herbal abundance. There are more options, ideas, and resources for using herbs now than at any other time of the year. The St. Louis Herb Society has put together an exciting program of activities that are fun, educational, and inspirational. It is time to fall for herbs!

Thursday, September 20

9:30 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

The St. Louis Herb Society

Flora, Foam, and Flour: How Herbs Enhance Happiness (MBG) *NEW*

Join members of The St. Louis Herb Society as they help you pursue happiness. It's the happiness enhanced by herbs! Learn about the usefulness and beauty of herbs in the many ways we enjoy life. What do the wilds of South Africa, foamy beer and fruit, and yeasty bread have in common? Herbs, of course! Discover where herbs often go unnoticed yet bring us great enjoyment and happiness.

Monday, September 24

6 to 8 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
The St. Louis Herb Society

Pasta: Three Ways (MBG) *NEW*

Join Chef Marianne Prey for a demonstration class of three very unusual pasta dishes. This class will explore authentic Italian pasta dishes like you have never had before. No simmered red sauces or creamy Alfredo for this class! We will cook and sample pastas made with different grains and paired with regional, hearty, seasonal ingredients. Come see how easy it is to prepare outstandingly flavorful results with just a few items and literally minutes in the kitchen. On the menu: trofie with fresh pesto, farro penne with creamy garbanzo sauce, and alpine pizzoccheri with potatoes and cabbage.

Monday, October 8

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Marianne Prey

Homemade Baby Food (MBG) *NEW*

Learn how to prepare baby food in advance. Recipes will include vegetables, fruits, combination foods, as well as homemade yogurt and yogurt cheese. We will be steaming, baking, and using the microwave to prepare these foods, and will show different methods of pureeing them. The stage-one homemade baby food recipes are appropriate for when you and your pediatrician agree that it is time to start solid foods. It is important to discuss with your doctor any foods that may pose allergy risks for your baby. Stage-two foods are appropriate for older babies who are looking for more texture in their foods and learning to pick up food with their fingers and transfer it to their mouths. Lap babies are welcome to join us, however, the classroom is not child-proof for toddlers.

Saturday, October 20

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Diana Smith

Wonderful Flavors of Fall (MBG) *NEW*

These fall recipes are packed with flavors that will make you want to celebrate the season! Lana will show you how to make roasted pumpkin with spice sorghum syrup; seasoned pumpkin seeds three ways; maple glazed root vegetables with oranges and herbs; spiced ginger apple cider applesauce; and wild rice, apples and pecan salad.

Monday, October 22

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Lana Shepek

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 cannot be missed—it's simply to die for!

Saturday, October 27

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Tori McCarty

Autumn Baking with Local Sugar Pie Pumpkins (MBG)

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

Thursday, November 1

7 to 9 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Lana Shepek

Holiday Breads Using a Bread Machine (MBG)

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

Saturday, November 17

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom
Caroline Achard

Food and Cooking continued...

Wintry Grains and Herbs Salads (MBG)

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

Tuesday, January 15

6 to 8 p.m.

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Caroline Achard

Chocolate and Peanut Butter— 'nuff said! (MBG) **NEW**

Think of some of the best pairings ever... that's right, chocolate and peanut butter! Is there a better pairing out there? Nope. Tori McCarty (also teaches Death By Chocolate, page 19) has created a class pairing decadent chocolate with peanut butter in a variety of desserts. In this class you will learn how to make peanut butter and chocolate chip cookies, peanut butter brownies, and chocolate cupcakes with peanut butter frosting.

Saturday, January 19

or Saturday, February 16

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Tori McCarty

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 cost down. Come prepared for a short walk.

Sunday, January 27

1 to 3 p.m.

\$7 members; \$9 nonmembers

Carriage House

Karen Bryan

A Burst of Sunny Citrus in the Winter (MBG)

Winter blues have you down? How would you like a burst of fresh citrus? Join Chef Diana Smith for citrus recipes that will include an immune boosting orange smoothie, mushroom lentil lemon salad, chicken avocado lime soup, blood orange ricotta tart, clementine upside down cakes, and a pistachio, lime, and zucchini loaf.

Saturday, February 2

10 a.m. to noon

\$37 members; \$43 nonmembers

Center for Home Gardening Classroom

Diana Smith

DRINK MORE PLANTS



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 around the Whitmire Wildflower Garden to view native plants and hear about their traditional use in medicinal tea.

Friday, October 5

10 a.m. to noon

\$30 members; \$36 nonmembers

Carriage House

Kerri Kelley

Teas, Tonics, and Tisanes for the Holidays (MBG)

For gifts, entertaining, and/or stress reduction, think tea! We will sample some popular tea and tisane blends (options with and without caffeine), as well as examples of various tea and tonic recipes to share at holiday gatherings.

Thursday, November 8

6 to 7:30 p.m.

\$20 members; \$25 nonmembers

Commerce Bank Center for Science

Education, Room 126

Kateri Meyer

Get to Know Tea: Discovering Chai (MBG)

Learn about the origins of chai and different ways of making it. Sample tea and food items, including nondairy options. Some are caffeine free.

Saturday, February 9

10 to 11:30 a.m.

\$20 members; \$25 nonmembers

PlantLab

Kateri Meyer

GARDENING AND LANDSCAPING

GARDENING BEST PRACTICES

Become a Great Gardener (MBC)

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

Low-Maintenance Perennials

Every gardener wants beautiful flowers, but most don't have endless hours to work in the garden. Dig deep into the top 20 plants for the St. Louis garden in sunny or shady areas. Come prepared for a ½-mile walk.

Thursday, September 6

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Putting Your Garden to Bed

Fall is a great time to pull out the honey-do list. Find out which tasks you should focus on for fall and which ones should be done in the spring. Learn about creating new beds, pruning, mulching, and how to take cuttings of your favorite annuals to overwinter. Come prepared for a ½-mile walk.

Tuesday, September 18

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Sharon Lloyd



Fall Container Gardening

Are your containers looking tired after a long summer? Get ready for fall with some exciting new plant combinations that will dazzle your friends and family. This is a hands-on class, so come ready to play in the dirt and take home your own container creation. Come prepared for a ½-mile walk.

Thursday, September 20

5:30 to 7:30 p.m.

\$55 members; \$69 nonmembers

Botanical Room

Sharon Lloyd

Gardening 101: Getting a Fall Start **NEW**

Are you looking to refresh your gardening skills? Need some advice on what, when, where, and how to have a more successful garden? Then this is the class for you. We will also discuss how to prepare your spring garden bed now so you can get a jump start on spring! Come prepared for a ½-mile walk.

Tuesday, September 25

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Sharon Lloyd

Curb Appeal

Are you looking to add a little curb appeal to your landscape? Whether you have a small city yard or a large corner lot, learn how to transform your boring yard into a beautiful, beneficial, and diverse oasis that humans and wildlife can enjoy together. Come prepared for a ½-mile walk.

Tuesday, November 13

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Evergreen Holiday Porch Pot **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.

Saturday, December 1

10 to 11:30 a.m.

\$48 members; \$58 nonmembers

Missouri Room

Sharon Lloyd

Master Gardener Series (MBG)

Join St. Louis's own Master Gardeners for tips and tricks for St. Louis Gardening.

Growing Up: Climbing Plants

Expand and improve your gardening by learning how to incorporate vertical elements into your design. Terry will focus on the often overlooked "vertical plane" and help you envision how walls, trellises, and other upright/overhead features can add charm and character to your space. See how adding vines and climbing plants can enhance your garden's personality.

Monday, September 17

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Terry Milne

Plants that Changed the Course of History

The interconnection of plants and human existence is monumental. Food, shelter, fuel, medicines, clothing, oxygen, carbon dioxide certainly, but have you considered the impact of plants on our daily lives? Carol focuses her talk on a subset of the 50 plants that are detailed in Bill Laws' book, *Fifty Plants that Changed the Course of History*.

Monday, October 1

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Carol Gravens

Planning Your Organic Vegetable Garden **NEW**

Are you dreaming of fresh lettuce, tasty tomatoes, and crisp cucumbers? January is a great time to get out your seed catalogs and plan your spring and summer vegetable garden. You will learn about site selection, soil preparation, vegetable suggestions, and general organic gardening techniques. You will have a chance to plant some early seeds to take home. Make 2019 the year of the best vegetable garden.

Saturday, January 26

10 a.m. to noon

\$33 members; \$40 nonmembers

Missouri Room

Cheryl Rafert and Tammy Palmier

Organic Heirloom Vegetables

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 23

10 a.m. to noon

\$33 members; \$40 nonmembers

Missouri Room

Cheryl Rafert

Composting 101 (MBG)

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

Thursday, September 13

6 to 7:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 126

Kat Golden

Tips from the William T. Kemper Center for Home Gardening (MBG) **NEW**

See the demonstration gardens at the peak of summer season in this walking tour. Aaron Lynn-Vogel will highlight the best annuals (plus plants to avoid), container combinations, and spectacular hanging baskets. 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.

Sunday, September 16

1 to 3 p.m.

\$28 members; \$34 nonmembers

Center for Home Gardening Classroom

Aaron Lynn-Vogel

Easy Tree ID 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 one? Maybe it's time to take a beginner's tree ID class! Learn about the trees that make up your world. Join certified arborist Tom Ebeling as he eases students into this multi-day learning experience through a PowerPoint presentation and lots of time on the Garden grounds. What better place to learn about trees than the best garden in the world? Come prepared for a short walk.

3 Tuesdays

September 18, 25; October 2

5 to 7 p.m.

\$84 members; \$100 nonmembers

PlantLab

Tom Ebling

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 weeds, 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 18

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Glenn Kraemer

Basic Roses 101: Fall and Winter Activities (MBG)

Does "deadheading" have you reaching for a dictionary? Then this class is for you! Marissa Sedmak will first discuss the basic steps of planting and maintaining healthy roses in the classroom. Then you'll head outside for the exciting demonstration and tour of best practice techniques in the Gladney Rose Garden. You'll feel confident with your newly gained knowledge about growing beautiful roses! Come prepared for a short walk.

Saturday, September 22

10 a.m. to noon

\$28 members; \$34 nonmembers

Missouri Room

Marissa Sedmak

**Insect ID for the Home Gardener (BH) *NEW***

How do you know if a bug on your plant is beneficial or a pest? In this class we will cover some of the most common beneficial insects found in gardens and talk about how they help us. We will mention a few common lookalikes to these beneficial bugs and give you helpful identification tips to recognize them. We will conclude by discussing easy ways to make your garden more friendly and inviting to good bugs while discouraging the bad ones.

Saturday, September 22

10:30 to 11:30 a.m.

\$21 members; \$25 nonmembers

Lopata Learning Lab

Chris Hartley

Introduction to

Permaculture Practices (MBG) *NEW*

Crystal Stevens, Garden manager of EarthDance Organic Farm and author, is a community expert in growing food and medicinal herbs, growing native plants, cooking healthy meals, planting trees, foraging for wild food and medicine, and creating art. Crystal is the author of *Grow Create Inspire*. She is an herbalist, educator, and a freelance writer. She contributor to *Feast, The Healthy Planet*, and *Permaculture* magazines, and a blogger for Mother Earth news. In each of these permaculture practices classes, Crystal will help you learn how to apply permaculture practices to your own garden. Price per class. 1 to 2 p.m.

\$14 members; \$17 nonmembers

Commerce Bank Center for Science

Education, Room 129

Crystal Stevens

Permaculture and Food Production

Learn how to apply permaculture ethics and principles to the garden. This class will discuss soil health, sheet mulching, companion planting, perennial superstars, weed maintenance, as well as no-till and regenerative farming practices.

Saturday, September 22

What is Permaculture?

Permaculture is an ecological design system that looks at all aspects of life through an ecological lens. From building to transportation to growing food to interacting with the environment and other humans, permaculture examines the interconnections between human beings and ecosystems.

Saturday, November 17

Herbicide Alternatives

Learn simple techniques that prevent weeds from taking over your garden. We will discuss sheet mulching, the use of burlap, companion planting, guild planting, and more.

Saturday, January 19

Best Bulbs for St. Louis (MBG)

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

Wednesday, September 26

6 to 8 p.m.

\$28 members; \$34 nonmembers

Beaumont Room

Jason Delaney

Living Pansy Wreath—Fall (MBG) *NEW*

Celebrate the coming of fall! Join us and create your very own 14" living pansy wreath for your front door or table. We will be using a combination of pansies and accent plants cradled in sphagnum moss with soil to complete your unique wreath. All plants and materials included. Please bring gloves and a box for transporting your wreath home.

Tuesday, October 2

or Thursday, October 11

5:30 to 7 p.m.

\$38 members; \$46 nonmembers

Botanical Room

Sharon Lloyd

Seeing Trees (MBG) *NEW*

Deepen your understanding of trees in this two-session class, expanded due to popular demand. In the first session, David will discuss tree anatomy, soil structure, and basic tree identification. In the second class, learn David's favorite trees, good tree practices, and trees to avoid. Plus, he will answer questions throughout. Bring your walking shoes to see the best tree garden in St. Louis.

2 Tuesdays

October 2 and 9

5 to 6:30 p.m.

\$42 members; \$50 nonmembers

Meet at the ticket counter

David Gunn

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 9

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Babs Wagner

Growing Your Green Thumb for House Plants (MBG) **NEW**

Become a houseplant guru this fall. Garden Horticulturist Aaron Lynn-Vogel 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 a fun class to grow your green thumb.

Saturday, November 10

10 a.m. to noon

\$28 members; \$34 nonmembers

Center for Home Gardening Classroom

Aaron Lynn-Vogel

Introduction to No-Till Gardening (off-site) **NEW**

Fall is the perfect time to prepare your garden for spring success. Join EarthDance staff as they teach participants how to build better soil, grow better produce and flowers, and enjoy your garden space for years to come without the use of a tiller. This class will include hands-on instruction in selecting a garden site; sheet mulching and other weed suppression techniques; over-winter composting; and opening your garden for spring.

Saturday, November 10

10 a.m. to noon

\$20 members; \$25 nonmembers

EarthDance Organic Farm School

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

EarthDance Organic Farm School

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 19

10 a.m. to noon

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

GARDENING FOR BIODIVERSITY

Native Plant School (SNR)

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

1 to 4 p.m.

\$14 members; \$17 nonmembers

Rainscaping Practices

Rain gardens function like miniature natural watersheds. They slow down, capture, and absorb water using elements similar to those in nature: plants, rocks, shallow swales, and depressions that hold water temporarily rather than let it quickly run away. They provide beauty, natural diversity, and wildlife habitat in areas that otherwise would be a monoculture of lawns, pavement, concrete culverts, and storm drains. This class will show you how to plan, install, and maintain rain gardens and will touch on other rainscaping practices like lawn alternatives, permeable pavers, rain barrels, trees, mulch, and green rooftops. Come prepared for a short walk.

Thursday, September 13

Carriage House

Scott Woodbury

Success with Native Landscaping

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

Thursday, November 8

Carriage House

Scott Woodbury

Gardening and Landscaping continued...

Native Plant School (SNR) continued...

Invasive Plant ID and Control

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, January 10

Carriage House

James Faupel

Greenhouse Propagation of Native Plants

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

Thursday, February 14

Follow the signs from the entrance

Terri Brandt

Monarchs and Mosquitos (MBG)

Control the pests, protect the pollinator, 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 Center for Home Gardening. This class plants some fun (and plenty of facts) into issues that bug us!

Monday, September 17

6 to 8:30 p.m.

\$14 members; \$17 nonmembers

PlantLab

Jean Ponzi

Combining Native Plants (MBG)

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

Join us as we take a look at the top 10 native plants, shrubs, and trees for the St. Louis area and learn how to incorporate them into your landscape. Take home a native plant to get you started. Come prepared for a half-mile walk.

Saturday, October 13

10 a.m. to noon

\$33 members; \$39 nonmembers

PlantLab

Sharon Lloyd

LANDSCAPE DESIGN IDEAS**"Know" Maintenance Perennial Gardening (MBG) *NEW***

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 Urben 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 a "know" maintenance garden will follow.

Tuesday, September 4

6 to 8 p.m.

\$28 members; \$34 nonmembers

PlantLab

Nathan Urben

Home Landscape Design (MBG)

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

6 Wednesdays

September 5, 12, 19, 26; October 3, 10

6:30 to 9 p.m.

\$149 members; \$179 nonmembers

Missouri Room

Randall Mardis

Tips and Tricks from the Rock Garden (MBG)

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

Saturday, September 15

10 a.m. to noon

\$28 members; \$34 nonmembers

Botanical Room and Garden grounds

Mariel Tribby

Landscaping Your Yard for Four Seasons (MBG)

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

Thursday, October 4

5 to 7 p.m.

\$28 members; \$34 nonmembers

PlantLab

Sharon Lloyd

Moonlit Garden (MBG)

So many of our gardens are tucked away in the evening hours, not set for another day's work and enjoyment until the sun rises. Certain plants and other garden attributes are at their most stunning in the silvery light of the moon.

So why call it a day when you could extend your garden's social life well into the night? Learn how to craft a landscape that captures light, both artificial and natural, even in the darkest hours. Explore the number of plants that bloom in the evening hours, as well as those that feature colors that explode in a full moon's glow. Delve into the use of shrubs with architectural integrity, hardscapes that reflect and absorb light to provide superb backgrounds for the garden, and plants that attract nighttime pollinators. Come prepared for a short walk.

Wednesday, October 24

6 to 8 p.m.

\$28 members; \$34 nonmembers

Garden Room

Kyle Cheesborough

Small Space Gardening (MBG)

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

Saturday, January 12

10 a.m. to noon

\$28 members; \$34 nonmembers

Missouri Room

Sharon Lloyd



Garden Design: Captivating Combinations (MBG) **NEW**

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 Urben 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 26

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Nathan Urben

EDIBLE GARDENING

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.

Thursday, October 18

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Elizabeth Wahle

GREEN LIVING

Recycling 101 (MBG)

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

Thursday, October 11

6 to 7:30 p.m.

\$8 members; \$10 nonmembers

Commerce Bank Center for Science

Education, Room 126

Kat Golden

Make Your Own Cleaners and Personal Care Products (MBG) **NEW**

Come make your own DIY all-purpose cleaner, air freshener, insect repellent, and lip balm! We use simple, mostly natural ingredients great for those wanting to use less hazardous products or who have sensitive skin or allergies. Light snacks and lemonade provided.

Thursday, October 18

6:30 to 8:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 126

Glenda Abney and Julie McCroskey

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 Services recycling center in Hazelwood and see just how amazing the process can be! The tour will include a full tutorial by Republic staff on how the machines operate and an up-close look at the whole process.

Thursday, September 20

or Thursday, November 15

or Tuesday, February 5

6:30 to 8 p.m.

\$8 members; \$10 nonmembers

Republic Recycling Center

(6025 Byassee Dr., Hazelwood, MO 63042)

Stephen Herring

Healthy Homes and Energy Efficiency Winter Edition (MBG) **NEW**

The weather is getting colder and that means heating costs are increasing. Join Richard Reilly, (LEED AP, BPI BA, EP, HHE) in a 90-minute discussion tying home health, energy efficiency, and preparing for cold weather together in way to increase comfort and lower bills. Get pointers on easy DIY projects as well as things best left to a pro. Then map out a strategy for your home based on its current conditions and your preferred budget. Reilly is the EarthWays Center's Energy Programs Manager and recently became one of the first in the state to acquire the Building Performance Institute's Healthy Homes Evaluator certification.

Thursday, January 10

6 to 7:30 p.m.

\$8 members; \$10 nonmembers

Commerce Bank Center for Science

Education, Room 126

Richard Reilly

Green Burial: A Better Way to Go (MBG)

Are you curious about green burial but don't know who or what 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 compared to cremation and traditional burial.

Tuesday, January 15

6:30 to 8:30 p.m.

\$8 members; \$10 nonmembers

Commerce Bank Center for Science

Education, Room 125

Gracie Griffin

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. Kat will demonstrate how to build each of these systems and participants will walk away with their own kitchen scrap collector to get them started.

Thursday, January 17

6 to 7:30 p.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for Science

Education, Room 126

Kat Golden

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 soapmaking and many of the terms associated with it. 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 1 pound of soap (4 small bars) that you and your family can use to see the nourishing benefits of handmade soap.

Saturday, January 26

9 a.m. to 1 p.m.

\$40 members; \$48 nonmembers

Center for Home Gardening Classroom

Julie McCroskey

Chickens in My Backyard? (MBG)

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

Saturday, February 23

10 to 11:30 a.m.

\$20 members; \$25 nonmembers

PlantLab

The Easy Chicken

biodiverse *City*

— st. louis —

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

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

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

Gardening for Biodiversity

Pages 25–26

**Storm Water Issues and Solutions (MBG)**

This class will explore the value of clean water in our community. We will discuss important water quality issues our community faces and the many ways the region is working to protect our watersheds. Discover the relationship between human development, stormwater, and water quality issues, and the best management practices we can implement to prevent pollution. Walk away with practical solutions you can do in your own life and at home to help protect our watershed. Presented in partnership with the St. Louis Metropolitan Sewer District.

Thursday, February 28

6 to 7:30 p.m.

\$8 members; \$10 nonmembers

Commerce Bank Center for Science

Education, Room 125

EarthWays Center staff

GUIDED WALKS AND TOURS

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

Green Dining Alliance Walking Tour (off-site)

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

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

South Grand **NEW**

Join the Green Dining Alliance on a walking tour of our newest Green Dining District, where 25% of the independent restaurants are certified by the Green Dining Alliance! The tour will begin at Guerrilla Street Food, near Tower Grove Park. Attendees will stop and talk to business owners, admire the native plants and pocket park along the way, and learn about the greening efforts of the business district beyond the GDA. The tour will end at Café Natasha, where attendees will learn the value of energy efficiency in businesses.

Friday, September 28
Rain date Friday, October 5
2 to 5 p.m.

Guerrilla Street Food
(3559 Arsenal St., St. Louis, MO 63118)

Parking available in the
South Grand Event Parking Lot
Tour finishes at Café Natasha

Maplewood

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

Attendees must be 21+ to enjoy all samples.

Monday, October 1
Rain date Monday, October 8
2 to 5 p.m.

The Living Room (2808 Sutton Blvd.,
Maplewood, MO 63143)

Parking available in Marietta Lot
Tour finishes at Schlafly Bottleworks

Delmar Loop

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

Thursday, October 18
Rain date Friday, October 19
3 to 5 p.m.

Meet at Fitz's (6605 Delmar Blvd.,
St. Louis, MO 63130)

Parking available off of Leland Ave.
Tour finishes at the Moonrise Hotel

Behind the Scenes: Tour of the Japanese Garden (MBG)

Experience this popular after-hours walking tour in the Japanese Garden with Senior Horticulturist Greg Cadice, and gain a new appreciation for *Seiwa-en*, the “garden of pure, clear harmony and peace.” Greg will highlight features of this world-famous garden including scenic vistas and Teahouse Island, and share 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 17
or Tuesday, September 18
5 to 7 p.m.

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

Behind the Scenes: The Orchid Greenhouse (MBG)

Don't miss this opportunity to view the orchids the way few have seen. Garden Horticulturist 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, October 27
9:30 to 11 a.m.

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

Behind the Scenes: Holiday Show Production (MBG)

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

Saturday, November 10
10 a.m. to noon

\$28 members; \$34 nonmembers
Meet at the ticket counter
Josh Higgins

WANT MORE LIKE THIS?

Do you enjoy going behind the scenes?
See the **Behind the Scenes: Teahouse Island Photography** class on page 13 and **Behind the Scenes: Orchid Show Photography** class on page 14!

Wetland Mitigation Bank Tour (SNR)

Ride with us over to this remote area of Shaw Nature Reserve, not normally open to the public, across the Meramec River. We will take a tour, on foot, with moderate hiking on uneven ground and no modern facilities (though there is an outhouse near the parking area). You will hear about the wetland mitigation program, potentially see wildlife, and learn a bit about wetland plants. Come prepared for a 1-mile walk. Bring binoculars.

Friday, September 28
or Friday, February 22

9 a.m. to noon
\$18 members; \$22 nonmembers
Meet at the Visitor Center
Dr. James Trager



Evening Wetland Walk (SNR)

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

Friday, September 14
5 to 7:30 p.m.

\$22 members; \$26 nonmembers
Meet at the Visitor Center
Dr. James Trager

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 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 1-mile walk.

Saturday, September 22

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Meet at the ticket counter

Wendy Applequist

Wine and Cheese Night Hike (SNR)

Climb aboard our Wilderness Wagon for a short trip to our starting point. We will take a leisurely 1½-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. Come prepared for a 1-mile walk.

Friday, October 12

7 to 9:30 p.m.

\$28 members; \$34 nonmembers

Meet at the Visitor Center

Shaw Nature Reserve staff and volunteers

Seed Bank Tour (SNR)

To supplement its on-site plant conservation locally and globally, the Garden established a Seed Bank located at the Shaw Nature Reserve. The facility houses thousands of collections of frozen seeds including important research collections, a large portion of Missouri's native flora, and globally rare species from around the world. Come hear a presentation on how seeds are collected and stored with our Seed Bank Manager Meg Engelhardt, and tour the seed bank.

Friday, October 12

or **Friday, November 9**

10 to 11:30 a.m.

or 2 to 3:30 p.m.

\$7 members; \$9 nonmembers

Follow the signs from the entrance

Meg Engelhardt

Restoration Tour (SNR)

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

Friday, October 26

10 a.m. to noon

\$7 members; \$9 nonmembers

Follow the signs from the entrance

Mike Saxton

Behind the Scenes: Stephen and Peter Sachs Museum (MBG) *NEW*

Delve into the history and design of the newly reopened Stephen and Peter 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.

Thursday, October 11

or **Saturday, October 13**

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Meet at the north entrance of the

Stephen and Peter Sachs Museum

Paul Brockmann and Nezka Pfeifer

Valentine's Night Hike (SNR)

For adults only. 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!" There will be a short hike and long hike option.

Saturday, February 9

7 to 10 p.m.

\$24 members; \$29 nonmembers

Dana Brown Overnight Center

Shaw Nature Reserve staff and volunteers

HEALTH AND WELLNESS

Trail Run (SNR)

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

No preregistration; walk-ins only.

Thursdays, September–February
8:30 to 9:30 a.m.

No run November 22 or December 27

Free for members; included with
admission for nonmembers

Meet at the Visitor Center
Rachel Weller

Wednesday Walkers (SNR)

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

9 Wednesdays

September 5, 12, 19, 26;

October 3, 10, 17, 24, 31

10 to 11:30 a.m.

Free for members; \$45 nonmembers

Follow the signs from the entrance

Rachel Weller

Mindfulness in the Garden (MBG)

Explore the treasures of the Garden through the senses. Learn mindfulness meditations to explore the Garden through its sounds, sights, textures, and smells. Practice relaxation and breathing exercises to help clear the mind of its chatter, cultivate inner peace, restore emotional balance, and deepen your connection to the beauty of nature.

4 Fridays

September 7, 14, 21, 28

9:30 to 11 a.m.

\$75 members; \$90 nonmembers

Garden Room

Rhonda Leifheit

Garden Yoga (MBG)

Make the Garden your sanctuary with a Sunday morning yoga session among the flowers and trees. Enjoy an hour long, all levels yoga class. Beginners are encouraged to join. Please meet in the Ridgway classroom noted on confirmation before going outside. In case of severe weather, yoga will take place inside. Price per class.

Sunday, September 9

Beaumont room and Garden grounds

or Sunday, September 16

or Sunday, September 23

or Sunday, September 30

Missouri Room and Garden grounds

9:30 to 10:30 a.m.

\$15 members; \$18 nonmembers

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 stroll through our Conservatory to see our flying butterflies. Doors open at 6 p.m. for a pre-practice meditative stroll. Price per class.

Tuesday, September 11

or Tuesday, October 9

or Tuesday, November 13

or Tuesday, December 11

or Tuesday, February 12

6:30 to 7:30 p.m.

\$15 members; \$18 nonmembers

Lopata Learning Lab

Yoga Buzz Instructor

Essentrics—Dynamic Stretch (SNR) **NEW**

All levels. Enjoy Essentrics while overlooking the wildflower garden from the Carriage House. 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

September 12, 16, 26; October 3, 10, 17

6 to 7 p.m.

\$45 members; \$54 nonmembers

Carriage House

Meaghan Mathews

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.

6 Sundays

October 7, 14, 21, 28; November 4, 11

9 to 10 a.m.

\$60 members; \$72 nonmembers

Carriage House

Barbie Benetin



Education
should extend
beyond the
classroom.



Learn with us
at the Missouri Botanical
Garden while earning
your master's degree
from Miami University.

Enrollment starts
September 1

mobot.org/AIP

Health and Wellness continued...

Beneath the Trees (MBG)

Throughout history, a special relationship has existed between humankind and trees. Whether as shelter, food, symbols of beauty, strength, or inspiration, trees enrich our lives. Learn how trees have commanded reverence and respect across cultures. Experience a guided meditation then we will journey outside to meditate beneath a tree that calls to you and notice what is evoked in the stillness, or simply enjoy the shelter your trees provides. Come prepared for a short walk.

Friday, October 12

9:30 to 11:30 a.m.

\$28 members; \$34 nonmembers

Garden Room

Rhonda Leifheit

Find Your Forest (SNR) *NEW*

Deepen your connection with the forests of Shaw Nature Reserve through a heightened sensory experience. A guided, slow-paced, 1-mile walk will encourage you to notice the details of the forest by using your senses. The strategies practiced will allow you to develop a new relationship with the forest each time you visit. Dress for the weather, wear walking shoes, bring a water bottle, sunscreen, and bug spray.

Friday, October 19

1 to 3 p.m.

\$10 members; \$12 nonmembers

Maritz Trail House

Shaw Nature Reserve and

Missouri Botanical Garden staff

Winter Wednesday Walks (SNR)

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

6 Wednesdays

December 5, 12; January 2, 9; February 6, 13

10 to 11:30 a.m.

Free for members; \$30 nonmembers

Follow the signs from the entrance

Rachel Weller

Nature Wellness Day (SNR) *NEW*

Spend a relaxing day out at Shaw Nature Reserve to enjoy wellness as we start a new year. De-stress with stretches, take a hike to re-energize, and create several nature-inspired items for you to use while here and take home. Lunch provided.

Saturday, January 12

9 a.m. to 2 p.m.

\$35 members; \$42 nonmembers

Adlyne Freund Center

Rachel Weller and Jessica Kester

HISTORY AND HERITAGE

Inside Look at Shaw Nature Reserve

Shaw Nature Reserve staff and volunteers will share the history of the Nature Reserve with you through pictures or take you on a tour around the property or behind the scenes in our historic buildings. Come prepared for a short walk. Price per class.

\$7 members; \$9 nonmembers

Shaw Nature Reserve staff and volunteers

Cemetery Tour (SNR)

Climb aboard the Wilderness Wagon to begin our journey to visit a grave and cemetery 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 1868. As we travel by the faint light from the moon, you will hear the stories of the families that lived here.

Wednesday, October 31

6:30 to 8:30 p.m.

Meet at the Visitor Center

Wilderness Wagon Tour (SNR)

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

Friday, November 2

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.

Friday, January 11

10 a.m. to noon

Adlyne Freund Center



Bellefontaine Cemetery Tour (off-site)

We invite you to take an amazing bus tour that 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. Come prepared for a short walk.

Saturday, October 6

10 a.m. to noon

\$40 members; \$48 nonmembers

Bellefontaine Cemetery

(4947 W Florissant Ave., St. Louis, MO 63115)

Kyle Cheesborough

Garden Ghost Stories (MBG)

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

Monday, October 22

or Wednesday, October 24

or Thursday, October 25

6 to 8 p.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

Kim Petzing

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. Supply list and what to bring for overnight provided at registration.

Friday, January 4, 7 p.m.

to Saturday, January 5, 3 p.m.

\$80 members; \$95 nonmembers

Dana Brown Overnight Center

Linda Brown

It's Your Weekend Overnight (SNR)

Are you looking for time to yourself to read, paint, walk, or write? Bring your camera, bicycle, binoculars, or whatever! Spend all the time you want doing what you want, either by yourself or perhaps with others in front of a fire, afternoon and night hikes, and nature writing workshop. Accommodations are dormitory style in our historic log lodges. All meals provided. An optional night hike is offered. What to bring for overnight provided at registration.

Saturday, January 26, 9 a.m.

to Sunday, January 27, 11 a.m.

9 to 11 a.m.

\$85 members; \$102 nonmembers

Dana Brown Overnight Center

Helen McCallie

NATURE STUDY



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 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 to provide their own transportation and lunch.

1 Wednesday and 5 Mondays

September 5; October 8, 22

November 5, 19; December 3

7 to 9 p.m.

and 4 Saturdays and 2 Sundays

September 8; October 13, 28;

November 10, 25; December 8

7 a.m. to 4 p.m.

\$250 members; \$300 nonmembers

First class meets in the Botanical Room

Bill Rowe

How Birds Work Part 1 (MBG)

Join us to learn more about birds and explore the functional biology of the fascinating avian. In Part 1, we will learn how they fly, forage, migrate, orient, and navigate. We will study their structure as it relates to functions and adaptations that enable them to thrive in a wide variety of environments.

4 Mondays

September 10, 17, 24; October 1

1 to 3 p.m.

\$72 members; \$86 nonmembers

Commerce Bank Center for Science

Education, Room 125

Dr. Richard Coles

Winter Tree ID 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 1

10 a.m. to noon

\$10 members; \$12 nonmembers

Carriage House

Rachel Weller

The Prairie Pharmacy of Shaw Nature Reserve (SNR)

Take a walk through the prairies of Shaw Nature Reserve to learn about the historic medicinal qualities of this special flora. We will hike through the prairie to identify medicinal and other plants and learn about a variety of tallgrass prairie features. Come ready for moderate hiking. Bring your notebook, water, and hiking shoes/boots.

Tuesday, September 11

10 a.m. to noon

\$7 members; \$9 nonmembers

Bascom House

Master Naturalist Ross Braun

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, September 16

9 a.m. to noon

\$24 members; \$30 nonmembers

Carriage House

Dr. Catrina Adams

Fall Wildflower Ramble (SNR)

Join these informal, educational walks in appreciation of the end of summer wildflower season in the Nature Reserve's diverse plant habitats. Come prepared for a short walk. Price per walk.

Tuesday, September 18

or **Tuesday, September 25**

or **Tuesday, October 2**

9:30 a.m. to noon

\$9 members; \$11 nonmembers

Meet at the Visitor Center

Dr. James Trager

Wildflower Identification and Ecology (SNR)

This course will focus on identification, relationships, and habitats of wildflowers and native grasses of the season. Beginners as well as serious students will increase their knowledge and appreciation. Come prepared for a short walk and bring your notebook. Price per walk.

Saturday, September 1

or **Saturday, October 6**

9 a.m. to noon

\$15 members; \$18 nonmembers

Meet at the Visitor Center

Dr. James Trager



Trees of Shaw Nature Reserve (SNR)

Impress friends and family with your newfound tree knowledge after experiencing this expert-led tour. This program covers identification of native trees of Missouri with emphasis on oaks. We will also search out some of the giant trees of the Nature Reserve and some lesser known species of small trees. Come prepared for a 2-mile walk.

Saturday, October 13

9 a.m. to noon

\$20 members; \$24 nonmembers

Meet at the Visitor Center

Dr. James Trager

Learning from the Land (SNR)

Join Nature Reserve Naturalist, Dr. James Trager, to view and learn characteristics and vegetation to look for clues to determine past land use. You'll learn clues to look for when examining your own property. We will hike through various landscapes of the Nature Reserve. Come prepared for a 1-mile walk.

Saturday, October 27

9 a.m. to noon

\$16 members; \$20 nonmembers

Meet at the Visitor Center

Dr. James Trager

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

This course will focus on the caves and karsts of Meramec State Park. After a short introductory presentation in the amphitheater, we will see sinkholes, caves, and the spring at the end in the Bear Cave-Copper Hollow Karst Complex. We will also hike to the site/dump of the Copper Hollow mine that operated in the mid-1800s. Come ready for 5½ miles of moderate hiking. Bring your notebook, water, change of clothes, and lunch. We will not be going in the caves due to white-nose syndrome.

Saturday, December 8

9 a.m. to 3 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 Indoor Amphitheater from the entrance

Master Naturalists Danny McMurphy

OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY

Hiking with Rover (SNR)

For ages 8 and older. Take your favorite canine companion for a nice 2-mile hike led by a Shaw Nature Reserve staff. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Hikes are on trails over rolling terrain. Please be on time! Canceled if raining. Come prepared for a ½-mile walk.

Sunday, September 30

4 to 6 p.m.

\$10 members; \$12 nonmembers

Adlyne Freund Center

Karen Bryan

Mini Hiking with Rover (SNR)

For ages 8 and older. If you have wanted to bring your dog for Hiking with Rover in the past but didn't know if you or your dog would be able to hike for approximately 2 miles, then this class is for you. Bring your favorite canine companion for a nice 1-hour hike led by a Shaw Nature Reserve staff. This is a rare opportunity to spend time with your four-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Please be on time! Canceled if raining. Come prepared for a 1-mile walk.

Sunday, September 16

4:30 to 5:30 p.m.

\$7 members; \$9 nonmembers

Adlyne Freund Center

Karen Bryan



Canopy Climb

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

12:30 to 2:30 p.m.

or 3 to 5 p.m.

\$35 members; \$43 nonmembers

Jon Richard and Vertical Voyages Team

at the Missouri Botanical Garden
Saturday–Sunday, September 29–30
or October 20–21

Meet at climb site: see map

at Shaw Nature Reserve
Saturday–Sunday, September 8–9
or October 6–7

Follow the signs from the entrance

WANT MORE LIKE THIS?

See Nature Navigators on page 46!

Geocaching: Historical Landmarks of Shaw Nature Reserve (SNR)

For ages 12 and older. Before Shaw Nature Reserve called this land home, it was home to many others. Let's explore the historic remnants that can be found on our property. We'll review how to use GPS units and go over geocaching basics. Then you'll hike from cache to cache, learning about who was here before the Reserve. Be prepared to hike approximately 4 miles on rolling terrain. Bring a sack lunch.
 Friday, October 19
 9 a.m. to 1 p.m.
 \$7 members; \$9 nonmembers
 Trail House
 Rachel Weller

Ice Cave Hike (SNR)

For ages 12 and older. 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 4
 10 a.m. to noon
 \$7 members; \$9 nonmembers
 Trail House
 Rachel Weller

Full Moon Night Hike for Adults (SNR)

For adults only. Join us for this 2-hour stroll through evening and into the early night to enjoy the full moon. The sun will have begun to 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. This hike will cover roughly 2 miles over uneven ground.
 Wednesday, February 20
 6:30 to 8:30 p.m.
 \$7 members; \$9 nonmembers
 Meet at the Visitor Center
 Rachel Weller



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

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

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

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

YOUTH AND FAMILY



THE LITTLE YEARS

The Little Years Series is designed for parent-and-child experiences at three St. Louis area sites: Missouri Botanical Garden, Butterfly House, and Shaw Nature Reserve.

This series places the focus on your child, you, and the wonders of nature, while preparing your child for preschool and kindergarten. Your child will learn skills such as taking turns, listening to the teacher and their friends, sharing, and making choices. Each class includes hands-on activities, songs, stories, snacks, and a short walk. **Price per child; one adult per child.**

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

AGES 6 AND UNDER

Little Sprouts: Fall (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 7-week series. Each session includes indoor, hands-on activities, songs, stories, snacks, and a walk in the Garden. This fall we will search for the Garden's full-time residents: insects, frogs, and furry friends. Price per child, per series. One adult per child. 10 to 11:30 a.m.

\$105 members; \$126 nonmembers
Botanical Room and Garden grounds
Kelly Wehrheim

Monday Series

7 Mondays
September 10, 17, 24; October 1, 8, 15, 22

Tuesday Series

7 Tuesdays
September 11, 18, 25; October 2, 9, 16, 23

Wednesday Series

7 Wednesdays
September 12, 19, 26; October 3, 10, 17, 24

Little Sprouts: Winter (MBG)

For ages 2 to 3. Learn about plants and nature with your toddler during this 4-week series. Each session includes indoor, hands-on activities, songs, stories, snacks and a walk in the Garden. This winter, we will learn about how the Garden changes when snow is on the way. Price per child, per series. One adult per child. 10 to 11:30 a.m.

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

Monday Series

4 Mondays
November 19, 26; December 3, 10

Tuesday Series

4 Tuesdays
November 20, 27; December 4, 11



Little Bugs (BH)

For ages 2 to 4. Social play and interaction are critical skills for early development. Come explore the world of invertebrates at the Butterfly House. Each session features a different animal and includes story time, snack, a craft, and adventures through the gardens. Come prepared for a short walk. Price per child, per class. One adult per child. 9:30 to 10:30 a.m. or 11 a.m. to noon
 \$12 members; \$15 nonmembers
 Lopata Learning Lab
 Butterfly House staff

Busy Bees

Monday, September 17

Magical Monarchs

Monday, September 24

Leaves, Trees, and Seeds

Monday, October 1

Tricky Traps

Monday, October 8

Burrowing Beetles

Monday, October 15

Spectacular Spiders

Monday, October 22

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 7 for three or more Little Nature Explorer classes, and your child will receive a t-shirt! Price per child, per class. One adult per child. 9:30 to 11:30 a.m.
 \$12 members; \$15 nonmembers
 Carriage House unless noted
 Shaw Nature Reserve staff and volunteers

Teddy Bear's Picnic

Tuesday, September 18

Fall Fruits

Friday, September 28

Prairie Fun!

Tuesday, October 2

Unhuggables

Tuesday, October 23

Using Our Senses

Tuesday, November 6

Pumpkins and Turkeys

Tuesday, November 13

Adlyne Freund Center

Fall Into Winter

Friday, November 16

Wreath from Natural Materials

Friday, December 7

Winter Wonderland

Friday, January 25

Owl Friends

Friday, February 22

*Youth and Family continued...***Wee One Walk (SNR) *NEW***

For ages birth to 3. Take a 1-mile walk with your wee one. The sights and sounds of the outdoors are refreshing to both you and your little one.

This is a great way to get some exercise, learn tips and tricks for a successful trail time, and the best trails for families at Shaw Nature Reserve. Strollers and carriers welcome. Price per adult.

Thursday, October 4

10 to 10:45 a.m.

Free for members; \$5 nonmembers

Bascom House

Rachel Weller

Tykes Trek (SNR)

For ages 3 to 5. You are your child's best guide to the outside. Early childhood is a great time to introduce your child to the outdoors. Come join us as we take advantage of natural events here at Shaw Nature Reserve.

We will hike and do activities as we explore and discover. Come prepared for a short walk. Price per child. One adult per child.

Monday, October 15

9:30 to 11 a.m.

Free for members; \$5 nonmembers

Meet at the Visitor Center

Karen Bryan

Garden Buds: Fall (MBG)

For ages 4 to 6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by September 7 for three or more Garden Buds fall classes and your child will receive a free t-shirt! Price per child, per class. One adult per child.

\$16 members; \$19 nonmembers

Botanical Room and Garden grounds

Sharon Lloyd or Kelly Wehrheim

Under the Garden

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

Thursday, September 6

10 to 11:30 a.m.

or Sunday, September 9

1 to 2:30 p.m.

Peek at a Pond

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

Thursday, September 20

10 to 11:30 a.m.

or Sunday, September 23

1 to 2:30 p.m.

Beautiful Bamboo

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

Thursday, October 11

10 to 11:30 a.m.

or Sunday, October 14

1 to 2:30 p.m.

Leaf Giants

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

Sunday, October 21

1 to 2:30 p.m.

or Thursday, October 25

10 to 11:30 a.m.

Cheer for Chocolate

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

Saturday, November 8

10 to 11:30 a.m.

or Sunday, November 11

1 to 2:30 p.m.

Plants as Presents

Create potted gifts for the holiday season and enjoy the Gardenland Express

Holiday Flower and Train Show!

Thursday, December 6

10 to 11:30 a.m.

or Sunday, December 9

1 to 2:30 p.m.

AGES 6 AND UP

Teen Photography Class (BH) *NEW*

For ages 12 to 17. Beginner/Intermediate. We are keeping the Butterfly House open late for young, aspiring photographers. Bring your camera and tripod for an evening set aside just for photographers. Butterfly House staff will be on hand to answer your questions and identify butterflies. This is the perfect time to capture some amazing shots of butterflies and tropical plants in beautiful evening light. Walk-ins welcome. Price per child. One adult per child.

Wednesday, September 5

4:30 to 6:30 p.m.

\$8 members; \$10 nonmembers

Meet at the ticket counter

Chris Hartley



Budding Artist Workshop (MBG)

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

1 to 3 p.m.

\$20 members; \$24 nonmembers

Botanical Room and Garden grounds

Egg Carton Collection Journal

This fall, we'll make an egg carton collection journal. Then we'll use our journals in the Garden to make some new discoveries.

Sunday, September 30

Outdoor Sketchbook

This winter we'll make an outdoor sketchbook, then take our sketchbooks and explore the Garden.

Sunday, December 16

Budding Scientist (MBG)

For ages 6 to 12. Join us during your fall and winter breaks to explore and observe plants and animals in the Garden as we use citizen science to become budding scientists. We'll learn about plants and animal life cycles, interactions, and ways to become better stewards of the environment, all while helping scientists and researchers gain knowledge about plants and animals in our local area. Be prepared to spend the entire time outdoors. Price per child, per class. One adult per three children. Younger sibling 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 Spoeher Plaza between Latzer

Fountain and the Tram Shelter

Kelly Wehrheim

Fall into Phenology

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

Friday, September 14

or Friday, September 21

or Friday, September 28

or Friday, October 12

or Friday, October 19

or Friday, October 26

Celebrate Urban Birds (MBG)

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

Friday, December 1

or Thursday, December 27

or Friday, December 28

SCHOOL'S OUT FOR THE DAY?

Check out these fun opportunities.



Butterfly House Adventures (BH)

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

10:30 to 11:30 a.m.

\$7 members; \$9 nonmembers

Lopata Learning Lab
Butterfly House staff

Magnificent Monarchs
Saturday, September 15

Spidey Senses
Saturday, October 13

Thankful for Nature
Saturday, November 10

Fanciful Fairies
Saturday, December 8

Love Bugs
Saturday, February 9

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

Celebrate Urban Birds

Join us as we celebrate birds and learn about this citizen science project from Cornell Lab of Ornithology. Saturday, September 15

Signs of Fall

It's beginning to look like fall. Let's explore the Garden and look for colorful fall leaves to paint using watercolors. Saturday, October 20

Sculptures in the Garden

Join us as we search the Garden for sculptures. What type of sculpture would you put in your garden? Saturday, November 17

Winter Color Walk

There may not be many plants blooming, but that doesn't mean we can't find color in the Garden. Join us as we search out common, and some not so common, colors in the Garden. Saturday, December 15

Bird Friendly Gardens

Most of the birds have migrated, but some stay here all year. Join us as we search the Garden for birds and learn what makes the Garden bird friendly. Saturday, January 19

Art in the Garden

Join us as we search for sculptures, mosaics and other art in the Garden. Saturday, February 16



Shaw Family Adventures (SNR)

For families with children ages 6 to 12 with accompanying adult. 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.

\$7 members; \$9 nonmembers

Rachel Weller

Night Geocaching

Geocaching is a high-tech treasure hunt. Grab your flashlights and come learn the basics before heading out to find the glow-in-the-dark caches. Each cache will teach you about nocturnal and crepuscular animals of Shaw Nature Reserve. After you find the last cache we will end with a treat—s'mores! Be prepared to hike 1 mile on hilly terrain. We will stay on trail in the Whitmire Wildflower Garden and there will be clues in addition to the coordinates to ensure you have a successful experience. Come prepared for a 1-mile walk.

Friday, November 9

5:30 to 7:30 p.m.

Carriage House

Winter Hike for Families

Bundle up and enjoy a 2-mile hike on our River Trail. Winter is a great time to hike. Enjoy 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 25

3 to 5 p.m.

Trail House

Nature Inspired Ornaments (BH) **NEW**

For families with kids 6 and up. With nature as our inspiration, celebrate the season and the outdoors by creating ornaments to adorn your tree, house, or yard. We will make a family keepsake to keep, a present for a loved one to remember for years to come, and one for feathered friends.

Price per child. One adult per child.

Saturday, November 3

10 to 11:30 a.m.

\$16 members; \$19 nonmembers

Lopata Learning Lab

Laura Chisholm

Kids' Soapmaking 101 (BH)

For families with kids 6 and up. Experience the art of soapmaking with this kid-friendly, melt-and-pour soapmaking class! This class allows kids to make soap by adding fragrance and color to plain melted soap base and pouring it into different shaped molds. No caustic chemicals involved. Price per child. One adult per child.

Saturday, November 10

1 to 4 p.m.

\$40 members; \$48 nonmembers

Lopata Learning Lab

Rivercity Soapworks

Keeper for a Day (BH)

For ages 8 to 12. Students will get an opportunity to go behind the scenes and see what is involved in our animal care. Working alongside our entomology and education staff, students will assist with general care of our animals. This includes feeding insects, releasing butterflies, preparing fruit trays, and more. Students also participate in animal handling and demonstrations for the public. This program will give students an understanding of the challenges and skills necessary for taking care of live arthropods. Each participant will receive a name badge, t-shirt, and mounted butterfly to take home. To schedule a date, please call (314) 577-0888, ext. 2.

8 a.m. to noon

\$100 members; \$120 nonmembers

Meet at the ticket counter

Chris Hartley and Tad Yankoski

FAMILY PROGRAMMING

Nature Navigators (SNR)

For families with kids of all ages. Ages 2 and under are free. Learn about nature with your family as we have fun outdoors! Each program involves an outdoor activity using our senses to discover what's around us.

\$7 members; \$9 nonmembers

Bat Night Hike for Families *NEW*

Enjoy a night hike and be part of a bat survey! As the sun begins to set we will hike to the creek where our wildlife biologist guest will have their equipment setup to catch bats. We'll test our senses as we hike to see how we compare to bats, see some bats that are carefully caught for this bat survey, and experience Shaw Nature Reserve at night. Come prepared for a 1-mile walk on a level trail.

Friday, September 7

6:30 to 9:30 p.m.

Bascom House

Rachel Weller and Vona Kuczynska

Full Moon Night Hike for Families

Join us for this 1-mile 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.

Wednesday, October 24

6:30 to 8:30 p.m.

\$7 members; \$9 nonmembers

Meet at the Visitor Center

Rachel Weller



International Jumping Spider Day (BH) *NEW*

For families with kids of all ages. Join us for a day celebrating some of the cleverest and cutest spiders on Earth—the jumping spiders. We will play games that show the skill of these hunters as we catch some pretend insects, and we will take a look at some of the amazing disguises these spiders wear. You will even get the chance to pick up some pretend spider legs of your own and dance like a peacock jumping spider. Lots of real spiders will be joining us too so that you can meet them.

Wednesday, October 10

10 a.m. to 3 p.m.

Free for members; included with admission for nonmembers

Meet at the ticket counter

Butterfly House staff

SPECIAL EVENTS

MISSOURI BOTANICAL GARDEN

2018 Events

Flora Borealis **NEW** Now open nightly!
Run, Walk, Stretch! Aug. 19
Japanese Festival Sept. 1–3
Best of Missouri Market Oct. 5–7
Spirits in the Garden Oct. 26
Member Appreciation Days Nov. 5–11
Garden Glow and
Gardenland Express Nov. 17–Jan. 1, 2019

2019 Events

Orchid Show Feb. 2–Mar. 24
Orchid Nights Feb. and Mar. 14 and 28
Trivia Night—Garden Style Feb. 16
Black History Celebration Feb. 17
Science and Sustainability Open House . . . Mar. 9

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



Flora Borealis **NEW**

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

Science and Sustainability Open House (MBG)

Two of the Garden's rarely seen behind-the-scenes areas will be open to the public. Meet our scientists at the Monsanto Research Center. Learn how they collect, study, and conserve plants; tour our 7-million-specimen herbarium; and visit the Peter H. Raven Library, one of the most comprehensive libraries of botanical literature in the world, including more than 6,500 rare books. You can also learn about the Garden's sustainability programs by joining EarthWays Center staff at the Commerce Bank Center for Science Education. Meet the team that educates and connects people to 20+ programs in the community. Discover how the Garden is making St. Louis greener, with environmental classes and programs for schools, businesses, individuals, and families. The two locations are across the street from each other, just a couple of blocks west of the main Garden entrance. For more info, visit mobot.org/openhouse.
Saturday, March 9
Free for members and nonmembers
Commerce Bank Center for Science Education and Monsanto Center

BUTTERFLY HOUSE

Evelyn Newman Founder's Day **NEW**

Join us as we celebrate the day we first opened our doors 20 years ago! Take a walk through the past two decades to learn about our founder, Evelyn Newman, and all that we have accomplished over the years. Celebrate the wonder of butterflies and the exciting future of the Butterfly House with us.
Tuesday, September 18
10 a.m. to 4 p.m.
Free for members and nonmembers

BOOterfly House:

Bewitching Bugs and Botanicals

Creep on over to the Butterfly House this October as we celebrate all things creepy and crawly. Meet new frightful friends in the Scorpion's Lair, watch out for our Botanicals Gone Mad in the Conservatory, and spy on spectacular spiders with Little Miss Muffet! Story Time with Little Miss Muffet takes place daily at 10:30 a.m. and Live Carnivorous Plant Feedings with Professor Von Trap takes place daily at 1:30 p.m.
Tuesday–Sunday in October
10 a.m. to 4 p.m.
Free for members; included with admission for nonmembers

Special Events continued...



Bug Ball (BH)

Step into the wonder and beauty of butterflies, insects, spiders, and their other many-legged friends! Your little bugaboos will be able to play games, create spook-tacular crafts, and take home lots of loot after they visit our many hand-painted treat houses. Spy on the amazing owl butterfly, which are only active during dusk and dawn. When tummies rumble, guests will munch on a spook-tacular spread that includes themed menu items such as creepy pizza fingers, scream cheese, petrifying pastries, eerie pudding, frightful fruit, pumpkin punch, and much more! Families end the evening dancing to Monster Jams at the Bug Ball. Admission into the Butterfly House, activities, refreshments, crafts, treats, and goody bags are included in the event ticket price.

Friday, October 26

or Saturday, October 27

5:30 to 7:30 p.m.

\$12 members; \$14 nonmembers

Ages 12 months and under are free

Books and Butterflies

Join us for special story-time readings with “celebrity” guests from classic children’s literature, local St. Louis landmarks, sports mascots, and more! Visit butterflyhouse.org for event calendar updates and to see our list of special guests.

Tuesday–Friday, November 6–December 29
11 a.m.

Free for members; included with
admission for nonmembers

Winter Jewels: An Enchanted Celebration

The Butterfly House transforms into an enchanted land this winter! Escape the cold and experience Winter Jewels at the Butterfly House. Visit a fierce dragon and noble nights at the Castle, discover tropical jewel-toned butterflies and fairy gardens in the Conservatory, and meet new friends in the Gnome Forest.

Tuesday–Sunday, November 6–December 30
10 a.m. to 4 p.m.

Free for members; included with
admission for nonmembers

Supper with Santa

Before making his big trip around the world, Santa is stopping by the Butterfly House! Don’t miss Supper with Santa, where fun family memories are sure to be made. Enjoy a delicious pasta dinner, hosted by Noodles & Co. See how the butterflies get into the holiday spirit with 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 14–16 or 21–23

5:30 to 7:30 p.m.

\$15 members; \$20 nonmembers

Ages 12 months and under are free



Hot! Hot! Hot!

Don’t get “bogged down” this winter. Come to the Butterfly House for Hot! Hot! Hot! Wade through the Exhibit Hall to see marsh-friendly bugs, swamp-themed activities, and more. Enjoy music, crafts, and live animal encounters. For families with all ages of kids.

Saturday, January 26
or Sunday, January 27

10 a.m. to 3 p.m.

Free for members; included with
admission for nonmembers

Morpho Mardi Gras

Escape the cold by visiting Morpho Mardi Gras: Bugs, Butterflies, and Beads! Bring your Krewe to the Mardi Gras inspired carnival during the months of February and March. Join the party at our Bug 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 over 1,500 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 in February–March 10 a.m. to 4 p.m.

Free for members; included with admission for nonmembers

SHAW NATURE RESERVE

Fall Wildflower Market (SNR)

The Fall Wildflower Market is geared for new and experienced gardeners and people looking for locally-made products for a greener community, including wildflowers from Missouri Wildflower Nursery, wine, bread, meats, art, crafts, and more. The event is located in the pavilions behind the Bascom House, near the Whitmire Wildflower Garden at Shaw Nature Reserve. The Garden is devoted to showcasing native plants in many habitats and design styles. Participants will be able to stroll through the gardens, gaining inspiration from the mature plantings within each area. This event is planned rain or shine. Native plant experts will be on hand to answer questions, identify plants, and give guidance to gardeners wishing to expand their plant palette with native plants. Bring checks and cash to pay vendors. One vendor, Missouri Wildflower Nursery, will accept credit cards. Come prepared for a short walk.

**Friday, September 7
2 to 7 p.m.**

Free for members; included with admission for nonmembers

Glassberg Pavilions

Shaw Nature Reserve staff and volunteers



Prairie Day

For families with kids of all ages. Hitch up the wagons and head out to Prairie Day. This fun-filled family event portrays prairie heritage and showcases our 250-acre re-created tall grass prairie. Hike with a naturalist, check out the tepee, play pioneer games, listen to a live band, and watch weaving and other craft demonstrations.

**Saturday, September 22
10 a.m. to 4 p.m.**

\$3 members; \$6 nonmembers

Free for member children; \$2 nonmember children

**Trail House
Shaw Nature Reserve staff**

Fine Gardening Symposium (SNR)

Join us for this special event! Fifteen local experts will be leading discussion sessions on landscape design, selecting the right plant for the right place, garden types, and installment and maintenance. Visit shawnaturereserve.org/finegardening Symposium for more details.

Friday, October 19

4:30 to 7 p.m.

and Saturday, October 20

8 a.m. to 4 p.m.

\$70 members; \$84 nonmembers

Follow the signs from the entrance

Shaw Nature Reserve staff

Happy Halloween Maze (SNR)

For families with kids of all ages. Enjoy the twilight at Shaw Nature Reserve by riding a wagon to the prairie maze. There will be questions posted throughout the maze for you to learn more about the plants and animals of Halloween myths as well as the plants and animals that call the prairie home. There will be apple cider for you to enjoy when you're ready. The wagons will make rounds constantly so you can catch a ride when you are ready. The maze is self-guided. Family friendly costumes welcome!

Friday, October 26

3 to 7 p.m.

\$7 members; \$9 nonmembers

Meet at the Visitor Center

Shaw Nature Reserve staff and volunteers

Special Events continued...

HAPPY HOUR EVENTS

For adults 21+, including designated drivers.



Wicked Wings and Wine (BH)

Spiders and beetles and butterflies, oh my! Join us for happy hour at the Butterfly House to celebrate the spirit of Halloween. As twilight approaches, sample local brews and wines while you learn about our owl butterflies, which are most active at dusk. Plus, encounter other spectacular live animals featured during the event. Take a stroll through the torch lit garden and enjoy festive music. Dare to try our chocolate ants or barbecued mealworms! Don't worry... other light appetizers will also be provided.

Wednesday, October 17

or Wednesday, October 24

5:30 to 7:30 p.m.

\$25 members; \$35 nonmembers;

\$15 designated drivers

Old-Time Christmas Music (SNR)

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

Friday, December 7

7 to 8:30 p.m.

\$26 members; \$31 nonmembers

Adlyne Freund Center



Friday Night Flights (BH)

If you can't travel to NOLA for Mardi Gras, then celebrate like a member of the Krewe of Morpheus at the Butterfly House! We are joining forces with the magnificent Blue Morpho butterfly and Morpheus, the God of Dreams, for an evening like no other! Dine on appetizers from Championship Catering and experience new wines and other libations, from local vendors, in the midst of jazz music. Enjoy a meet and greet with a special guest from the Endangered Wolf Center and take home a souvenir tasting glass.

Friday, February 1

or Friday, February 8

5:30 to 7:30 p.m.

\$25 members; \$35 nonmembers;

\$15 designated drivers

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 Butterfly House.

Programs are aligned with badge and award requirements.

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

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

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CLASS INFORMATION/POLICIES

PLEASE BE SURE TO CHECK THE LOCATION OF YOUR CLASSES.

Location of Classes:

Site maps are available at mobot.org/classes. You will receive confirmation via email or regular mail. Please refer to that for details about class location.

Class Information and Material Lists:

Individual class details and material lists are available online at mobot.org/classes within each individual class listing.

Memberships:

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

Wait List:

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

Age Restrictions:

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

Registration End Date:

Indicates when registration is closed. If the class has met the minimum enrollment. Full classes remain open for registrants to be wait listed. If the wait list becomes extensive, registration will end and the registration end date will be adjusted.

Accessibility

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

Inclement Weather:

Participants should come dressed for the weather. Most classes are held rain or shine. If we are unable to hold a class due to inclement weather, you will be notified and receive a full refund.

Dismissal Policy:

The Missouri Botanical Garden is committed to offering the highest quality educational experience to all its students. To ensure a quality experience, the Garden reserves the right to dismiss any participant for any reason without refund.

Recording Classes:

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

Butterfly House
15193 Olive Blvd., Faust Park
Chesterfield, MO 63017
(314) 577-0888

(Maps are available online)



Registration
Starts

August 1.

Sign up online at
mobot.org/classes



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

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