



MISSOURI
BOTANICAL
GARDEN



SOPHIA M. SACHS
BUTTERFLY
HOUSE



SHAW
NATURE
RESERVE



Learn + Discover
classes for adults, youth + family

Fall–Winter 2020/2021 | September–February | mobot.org/classes

Registration
Begins
August 3
9 a.m.

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

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

Whether you visit 1 of our 3 St. Louis area locations with family and friends, enjoy membership in our organization, take 2 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 1 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

© 2020 Missouri Botanical Garden.

Printed on 100% post-consumer recycled paper.

Please recycle.

Designer: Emily Rogers

Photography: Matilda Adams, Elizabeth Arnold, Chris Birkinshaw, Kent Burgess, Claire Cohen, Karen Fletcher, Steve Frank, Lisa DeLorenzo Hager, Tom Incrocci, Bailie Kleekamp, Kathy Melton, Cassidy Moody, Phoebe Mussman, Kat Niehaus, Mary Lou Olson, Robin Powell, Wesley Schaefer, Sundos Schneider, Demi Striglos, Dug Threewitt, and Jered Willis.

TABLE OF CONTENTS

ADULT CLASSES	4
DIY Crafts	4
Fine Arts	14
Photography	16
Garden Photography	16
Butterfly House Photography.....	19
Nature Reserve Photography	20
Food and Cooking	22
Cultural Inspirations	22
Eat More Plants	23
Gardening and Landscaping	26
Gardening Best Practices	26
Gardening for Biodiversity	32
Landscape Design Ideas	33
Green Living	35
Guided Walks and Tours	38

Health and Wellness	43
History and Heritage	45
Nature Study	46
OUTDOOR ADVENTURES FOR	
ADULTS, YOUTH, AND FAMILY	50
YOUTH AND FAMILY	51
Ages 6 and Under	51
Ages 6 and Up.....	55
Family Programming	58
SPECIAL EVENTS	60
INDEX BY LOCATION	64
CLASS INFORMATION	
AND POLICIES	66
REGISTRATION FORM	67



Dear Class Participants,

The Missouri Botanical Garden is dedicated to keeping class participants, volunteers, and staff safe. As we continue the steps toward offering classes at the Garden, Shaw Nature Reserve, and Sophia M. Sachs Butterfly House, please know we will take extensive safety measures and precautions with our valued class participants, instructors, and staff.

Due to the fluidity of the situation, class capacity, dates, and times are subject to change. If you are unable to attend due to these changes or should the class be canceled, a full refund will be given.

We are truly excited to get back to what we do best—providing fun, engaging, educational experiences focusing on plants and the natural world. As national, state, and local guidelines change, we appreciate your patience and flexibility. We will continually update guidelines and class protocols on our website.

Missouri Botanical Garden: mobot.org/summer2020

Shaw Nature Reserve: shawnature.org/summer2020

Butterfly House: butterflyhouse.org/summer2020

Additionally, the Missouri Botanical Garden continues to grow and change. Class locations at the main campus will look a bit different due to the construction of the new Jack C. Taylor Visitor Center. More classes will be held completely outdoors, while others will be held in the PlantLab near the Doris I. Schnuck Children's Garden, William T. Kemper Center for Home Gardening, or the Commerce Bank Center for Science Education, which is west of the main Garden on Shaw Boulevard.

We look forward to seeing you at all three of our sites this fall!

Thank you,

Missouri Botanical Garden, Shaw Nature Reserve,
and Butterfly House Education Staff

ADULT CLASSES

DIY CRAFTS

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

Knit Rag Rugs (MBG)

Knitting upcycled material into 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, September 12

10 a.m. to noon

\$38 members; \$44 nonmembers

Botanical Room

Suzanne Hirth

Creative Flower Arranging— Fill Your Vase (MBG)

Creating arrangements from your own yard can be a relaxing and rewarding experience. Join us for this 3-part series. During each class we will learn about the season's best plants for cut arrangements that you can grow in your own yard, maximizing store-bought bouquets, and unusual vase ideas. In each class, you will create a seasonal, one-of-a-kind vase arrangement. Price includes a flower frog and vase to be brought back with you for each class in the series. Come prepared for a ½-mile walk.

**3 Thursdays: September 3, 17; October 8
5:30 to 7:30 p.m.**

\$119 members; \$143 nonmembers

Garden Room

Sharon Lloyd



Simple Flower Arranging (MBG)

Creating arrangements from your own yard can be a relaxing and rewarding experience. We will learn about the season's best plants for cut arrangements that you can grow in your own yard, maximizing store-bought bouquets, and unusual vase ideas. Come prepared for a short walk.

10 a.m. to noon

\$36 members; \$43 nonmembers

Sharon Lloyd

Late Summer Harvest

Saturday, September 12

Missouri Room

Fall Harvest Arrangement

Saturday, October 10

Missouri Room

Winter's Bounty

Saturday, December 12

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



Valentine's Day Flower Arranging (BH) *NEW*

Creating your own flower arrangements can be a relaxing and rewarding experience. Join us for this class focused on the Valentine's season where we will learn about the season's best plants for cut arrangements, maximizing store-bought bouquets, and unusual vase ideas. You will leave with a seasonal, one-of-a-kind vase arrangement.

Tuesday, February 9

1 to 2:30 p.m.

\$36 members; \$43 nonmembers

Lopata Learning Lab

Sharon Lloyd

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, 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 17

7 to 9 p.m.

\$42 members; \$51 nonmembers

Commerce Bank Center for

Science Education, Room 126

Perennial Staff

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. Bring honeysuckle limbs and transform them into a table. We'll start with a demonstration and then make a table to take home. Visit woodworms.net/index.html and click on "Think About Tables" to get measurements and specifics for the size of honeysuckle you need.

Saturday, October 10

or Saturday, October 24

or Saturday, November 14

9 a.m. to 3 p.m.

\$40 members; \$48 nonmembers

Meet at the Visitor Center

Dale Dufer

Create a Journal—Long-Stitch Bookbinding (MBG)

This historical structure was used in the Middle Ages and the early modern period as a temporary binding or a less-expensive alternative to leather binding in boards. It is durable, functional, and easy to make. The class will begin with a short visit from the Library's book conservator, who will introduce the class to this structure's history and show some outstanding examples of limp vellum-style bindings in the Library's Rare Book Collection. Please note that we will be using strong paper instead of vellum to create our books. Paper is durable, much easier to obtain, and lends itself to decorative treatments. Be prepared to walk and stand during class.

Saturday, September 26

9 a.m. to noon

\$57 members; \$68 nonmembers

Bayer Center

Joanne Kluba

DIY Crafts continued...

DIY Mosaic Stepping Stones (MBG)

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

Saturday, September 26

1 to 4 p.m.

\$47 members; \$57 nonmembers

Commerce Bank Center for

Science Education, Room 125

Perennial



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 Shulz 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, October 10

9 to 11 a.m.

\$33 members; \$39 nonmembers

Botanical Room

Brittany Shulz

A Spa Evening (MBG)

Would you love to treat yourself to a spa evening? Learn the basics of aromatherapy safety and blending of fragrances to create products. You will leave with 3 products to bring relaxation into your home: lotion, sugar scrub, and room or pillow spray. Join us for an evening of relaxation. Makes a wonderful evening out with friends!

Thursday, October 15

6 to 8 p.m.

\$38 members; \$44 nonmembers

Kemper Center for Home

Gardening Room

Debra Jenkins

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 17

10 to 11:30 a.m.

\$35 members; \$42 nonmembers

Commerce Bank Center for

Science Education, Room 126

Suzanne Hirth

Handmade Cleaners to Go! (MBG)

Join us in making cleaning products you can make at home—save money, use fewer hazardous materials, and know the ingredients. Great for all, especially those wanting to remove certain products from their homes and anyone with sensitive skin, allergies, or health needs. You'll go home with 3 products: liquid laundry detergent, all-purpose cleaning spray, and a wool dryer ball! Light snacks and lemonade will be provided.

Thursday, October 22

6:30 to 8:30 p.m.

\$37 members; \$45 nonmembers

Commerce Bank Center for Science

Education, Rooms 126 and 127

Glenda Abney and Julie McCroskey



Paint and Sip at the Butterfly House (BH)

For ages 21 and up. You and your friends are formally invited to enjoy a fun evening of wine, food, and painting. Step into our Conservatory® to get inspired by the butterflies before sitting down in front of your canvas. Then, follow along with an instructor to learn how to paint a colorful butterfly on canvas! All painting supplies, 2 glasses of wine per person, and light appetizers provided.

Thursday, October 22

or Thursday, December 10

6:30 to 8:30 p.m.

\$45 members; \$54 nonmembers

Butterfly House Exhibit Hall

BH staff

Weaving a One-of-a-Kind Pocket 'Treasure' Necklace (MBG)

In this class, each student will create their own one-of-a-kind, wearable piece of art. Using plant-based fibers, Jody will teach some basic weaving concepts to create your approximately 2" x 2" necklace. Embellish it with fringe, tassels, or beads to enhance the pocket. Feel free to bring your own favorite beads or trinkets to add. You will take home a loom to make more necklaces.

Saturday, October 24

9:30 a.m. to noon

\$47 members; \$56 nonmembers

PlantLab

Jody Chassin

Living Pumpkin Arrangement (MBG)

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

Tuesday, October 27

5:30 to 7:30 p.m.

\$62 members; \$74 nonmembers

Commerce Bank Center for

Science Education, Room 125

Sharon Lloyd

Make Your Own DIY Personal Care Products (MBG)

Come make your own DIY lip balm, bath bombs, and—new this time—sugar scrub! We use simple, mostly natural ingredients, great for those wanting to use fewer hazardous products or who have sensitive skin or allergies. Light snacks and lemonade provided.

Thursday, October 29

6:30 to 8:30 p.m.

\$37 members; \$45 nonmembers

Commerce Bank Center for Science

Education, Rooms 126 and 127

Glenda Abney and Julie McCroskey

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 5

5:30 to 7 p.m.

\$65 members; \$78 nonmembers

Commerce Bank Center for

Science Education, Room 125

Sharon Lloyd



Give the Gift of the Garden

Share the beauty of the Missouri Botanical Garden with a friend or loved one. Membership offers free daily admission, valuable discounts, special invitations, and more!

For more information:
mobot.org/giftmembership
membership@mobot.org
 (314) 577-5118



No-Sew Braided Rug (MBG)

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

Saturday, November 7

9 to 11 a.m.

\$38 members; \$44 nonmembers

Commerce Bank Center for

Science Education, Room 119

Suzanne Hirth

Weave Your Own Scarf (MBG)

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

Saturday, November 7

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

\$80 members; \$96 nonmembers

Commerce Bank Center for

Science Education, Room 129

Jill Kettler

Wine Bottle Reuse (MBG)

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

Saturday, November 7

noon to 3 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for Science

Education, Rooms 126 and 127

Perennial

Wishing Upon an Origami Star (MBG)

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

Saturday, November 7

10 a.m. to noon

\$38 members; \$46 nonmembers

PlantLab

Jody Chassin

Terracotta Wind Chimes (MBG)

Add music to your garden or patio with a wind chime made with your own two hands. In this fun workshop, you will get your hands dirty with terracotta clay. Using leaves for decorations, you will construct your wind chimes using simple hand-building techniques. No clay experience needed. Fired and stained pieces will be ready for pick-up in the Beaumont Room in Ridgway Visitor Center after November 23. Please bring an apron or wear work clothes.

Monday, November 9

6 to 8 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for

Science Education, Room 126

Mary Henderson

**Fragrant Gifts (MBG)**

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

Thursday, November 12

6 to 8 p.m.

\$38 members; \$44 nonmembers

Kemper Center for Home

Gardening Room

Debra Jenkins

DIY Crafts continued...

Basket Making 101—Round Berry Basket (MBG)

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

Saturday, November 14

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

\$54 members; \$65 nonmembers

Commerce Bank Center for

Science Education, Room 129

Stephanie Arnold

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

Come learn how our pioneering relations made soap for washing and cleaning just about everything. Learn a little of the science behind soap making and many of the associated terms. Best of all learn to make soap with the great resources we have today as you make a batch from start to finish. Your takeaway will be 1 pound of soap, which will become 4 small bars that you and your family can use to see the nourishing benefits of handmade soap. Please note: Animal products may be used in some recipes. Please wear closed-toe shoes.

\$60 members; \$72 nonmembers

Julie McCroskey

at the Butterfly House

Saturday, November 14

2 to 5 p.m.

Lopata Learning Lab

at the Missouri Botanical Garden

Saturday, February 20

9 a.m. to 1 p.m.

Kemper Center for

Home Gardening Room

Weave Your Own Table Runner (MBG)

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

Saturday, November 14

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

\$80 members; \$96 nonmembers

Kemper Center for Home

Gardening Room

Jill Kettler



Evergreen Holiday Door Swag (BH)

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

Tuesday, December 1

1 to 2:30 p.m.

\$48 members; \$58 nonmembers

Lopata Learning Lab

Sharon Lloyd

Holiday Wreaths from Natural Materials (SNR)

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

Thursday, December 3

10 a.m. to noon

or 1 to 3 p.m.

\$40 members; \$48 nonmembers

Adlyne Freund Education Center

Rachel Weller

An Evergreen Holiday Wreath (MBG)

It's a seasonal tradition. Create a beautiful 20" holiday wreath with a base of evergreens and natural accents collected from 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 4

or Saturday, December 5

10 a.m. to noon

\$45 members; \$54 nonmembers

Commerce Bank Center for

Science Education, Room 125

Tammy Palmier

Basket Making 101—Ring in the Holiday Basket (MBG)

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 5

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

\$54 members; \$65 nonmembers

Commerce Bank Center for

Science Education, Room 175

Stephanie Arnold

Holiday Wreath Making (BH)

In this class, you will make a wreath of fresh greens and other natural materials. 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, December 5

2 to 4 p.m.

\$40 members; \$48 nonmembers

Lopata Learning Lab

BH staff



Nature Ornaments (MBG)

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

Tuesday, December 8

10 a.m. to noon

\$38 members; \$46 nonmembers

Commerce Bank Center for

Science Education, Room 126

Tammy Palmier

DIY Crafts continued...

Stitch the Garden in Winter (MBG)

Come join Kristen Gula of Gulush Threads as she teaches modern floral embroidery with special focus on the winter daphne. Learn 7 stitches as well as how to transfer patterns and finish a piece for display. All supplies are included: hoop, thread, fabric, scissors, and Kirsten's book *200 Embroidered Flowers: Hand Embroidery Stitches and Projects for Flowers, Leaves and Foliage* (2018).
Saturday, January 9

9 a.m. to noon

\$67 members; \$77 nonmembers

PlantLab

Kristen Gula

Felted Acorns (SNR)

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

Saturday, January 16

9:30 a.m. to noon

\$15 members; \$18 nonmembers

Adlyne Freund Education Center

Helen McCallie



Needle Felting (MBG)

Needle felting is a simple, dry-felting technique that uses roving (unspun wool) and a special needle tool to apply the fiber to a backing to create an applique or to create a 3-dimensional, soft sculpture of a bird. The possibilities for creative embellishments and accessories are endless.

Saturday, January 16

9 a.m. to noon

\$44 members; \$53 nonmembers

Commerce Bank Center for

Science Education, Room 119

Suzanne Hirth

Eco-Friendly Furniture Restoration (MBG)

Perennial will share some of the organization's tips and tricks to finding furniture, repairing joints, and refinishing surfaces—all with the Earth in mind! We'll leak some of our favorite spots to find discarded furniture, give you insight into the city's bulk trash system, and link you to resources where someone else's trash can become your treasure. Through hands-on demonstrations, you'll learn to add a pop of color to your projects with natural milk paint, mix and apply a fresh coat of Perennial's signature wood wax, and cook up natural stain from walnuts. Leave with the knowledge to add a whole new look to your furniture without harming the environment or compromising your health.

Thursday, January 28

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Commerce Bank Center for

Science Education, Room 125

Perennial

Amish Knot Rag Rug (MBG)

Making Amish knot 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. Learn this beautiful Amish tradition of rug making.

Saturday, February 6

9 to 11 a.m.

\$38 members; \$44 nonmembers

Commerce Bank Center for

Science Education, Room 119

Suzanne Hirth

Introduction to Batik Wax Resist (MBG)

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

Wednesday, February 10

7 to 9 p.m.

\$40 members; \$48 nonmembers

Commerce Bank Center for

Science Education, Rooms 126 and 127

Perennial

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

Gardening for Biodiversity
Page 32

FINE ARTS

All classes have supply lists unless noted. Price per person, per class.

Watercolor—Bold and Beautiful (MBG)

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

8 Fridays: September 11, 18, 25;

October 2, 9, 16, 23, 30

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Kemper Center for Home

Gardening Room

Judy Seyfert

Painting from Nature Workshop (MBG)

Beginner/Intermediate. Leonardo da Vinci said, "Study the science of art. Study the art of science." Beginning with pencil, students will learn how to define form and structure, translate proportion and depth, and explore line and value. Students will then learn how to apply color to their compositions, gaining in-depth knowledge of color mixing and paint application. Clear, step-by-step instructions will be provided to enable you to fully understand the process, creating multiple renderings from nature along the way. A final project and critique will round out the workshop. Supplies provided.

3 Saturdays: September 12, 19, 26

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

\$94 members; \$113 nonmembers

PlantLab

Emily Dustman

Watercolor Essentials (MBG)

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

6 Mondays: September 14, 21, 28;

October 5, 12, 19

6:30 to 9 p.m.

\$135 members; \$162 nonmembers

Missouri Room

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.

8 Tuesdays: September 15, 22, 29;

October 6, 13, 20, 27; November 3

9:30 a.m. to noon

\$180 members; \$216 nonmembers

Missouri Room

Mary Dee Schmidt



Watercolor in Bloom (MBG)

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

5 Saturdays: October 10, 17, 24, 31; November 7

9:30 a.m. to noon

\$113 members; \$136 nonmembers

Commerce Bank Center for

Science Education, Room 125

Judy Seyfert

Watercolor—Doodling and Whimsical Lettering (MBG)

Intermediate/advanced. A small piece of watercolor paper will become a playground for imagination and whimsy. By combining watercolor, drawing, and your own unique handwriting, you will develop new skills of self-expression. Use the inspiration of the Garden in a variety of ways from sketching to greeting cards to journals to scrap booking in this hands-on studio class.

5 Fridays: January 8, 15, 22, 29;

**February 5 (Snow dates February 12, 19)
10 a.m. to 1 p.m.**

\$135 members; \$162 nonmembers

Commerce Bank Center for

Science Education, Room 125

Judy Seyfert

PHOTOGRAPHY

GARDEN PHOTOGRAPHY

Photography Boot Camp I (MBG)

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

4 Tuesdays: September 8, 15, 22, 29

9:30 a.m. to noon

\$140 members; \$168 nonmembers

Kemper Center for Home

Gardening Room

or 4 Wednesdays: September 9, 16, 23, 30

5:30 to 8 p.m.

Missouri Room

\$140 members; \$168 nonmembers

Scott Avetta

Photographing Water Lilies (MBG)

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

Thursday, September 10

5 to 7:30 p.m.

\$42 members; \$50 nonmembers

Meet at the ticket counter

Scott Avetta

Photography Boot Camp II (MBG)

Beginner/intermediate. In this multi-session class, learn how composition, light, and lens choice all work together and how to apply them in the field. Scott Avetta will focus on lenses that most photographers already have. He will emphasize making the most of the outside photo shoots and increase your understanding of what lens to use based on the light and conditions. Space is limited so Scott can spend individual time with each photographer during photo shoots.

3 Tuesdays: October 6, 13, 20

9:30 a.m. to noon

\$90 members; \$108 nonmembers

Kemper Center for Home

Gardening Room

or 3 Wednesdays: October 7, 14, 21

5:30 to 8 p.m.

Missouri Room

Scott Avetta

Fall Photography in the English Woodland Garden (MBG)

All levels. During this field session we will concentrate on the great potential of the English Woodland Garden. By spending extended time in an area, we will learn the importance of slowing down and watching the light and its effect on your composition. We will also discuss and photograph a subject from a series of angles to create a stronger, thoughtful composition. From water, structure, plants, and trees we will design scenes you may normally pass by. To gain knowledge, consider taking Photography Boot Camp I. A polarizer is helpful but not necessary.

Thursday, October 22

9:30 a.m. to noon

\$35 members; \$42 nonmembers

Meet at the ticket counter

Scott Avetta



Capture Fall in Photographs (MBG)

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

Tuesday, October 27

9:30 a.m. to noon

\$35 members; \$42 nonmembers

Meet at the ticket counter

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 29

9 a.m. to noon

\$52 members; \$62 nonmembers

Meet at the ticket counter

Scott Avetta

The Art of Seeing in Photography (MBG)

All levels. Our photography is often blocked by looking for things vs. finding them. During these sessions we will spend the vast majority of our time in the field. As we walk through the garden, we will stop at locations that have the greatest potential for a strong image. We will discuss light, design, and aperture and likely take images of areas you may normally pass by. We will also discuss some of the obstacles we create for ourselves. Consider taking Photography Boot Camp I for a better understanding of your camera. Please dress to be outside during class.

2 Tuesdays: November 3, 10

9:30 a.m. to noon

\$70 members; \$84 nonmembers

Meet at the ticket counter

Scott Avetta

Photographing Trees (MBG)

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

Thursday, November 5

2 to 4:30 p.m.

\$35 members; \$42 nonmembers

Meet at the ticket counter

Scott Avetta

Photography continued...

Analyzing a Photograph (MBG)

All levels. We will spend this classroom session discussing the importance of a well-planned photograph. By analyzing the many elements of a photograph, you will improve your own composition, cropping, editing, and judging of images. Things such as light, balance, space, mood, and color will be some of the topics covered. We will spend time on the difference between an image that is technically correct and one that captures your interest or your heart. Some time will be spent on the discussion of how a photograph is going to be used—documentation, competition, art, etc.

Thursday, November 12

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Commerce Bank Center for

Science Education, Room 126

Scott Avetta

Capturing the Garden Glow—Basics (MBG)

Beginner/intermediate. Influenced by the Garden's global reach, Garden Glow will celebrate the holiday season with the colors of the world in brilliant light and interactive fun. With tips and tricks from your professional photography instructor, you will take wonderful photos of the Garden filled with light. Class fees include admission to the event after the 2½-hour class with half-hour non-public and 2-hour with public photo shoot. The use of a tripod is highly recommended.

Monday, November 30

4:30 to 7 p.m.

\$65 members; \$78 nonmembers

Meet at the ticket counter

Scott Avetta

Capturing the Garden Glow—Creativity (MBG)

All levels. Influenced by the Garden's global reach, Garden Glow will celebrate the holiday season with the colors of the world in brilliant light and interactive fun. We will take the next step and try some creative techniques to bring a whole new look to what we see. We will work with motion, blur, reflections, and point of view and expand our shooting opportunities. These will be photos that are unlike others you have taken at Garden Glow. Class fees include admission to the event after the 2½-hour class with half-hour non-public and 2-hour with public photo shoot. The use of a tripod is highly recommended.

Tuesday, December 1

or Monday, December 7

4:30 to 7 p.m.

\$65 members; \$78 nonmembers

Meet at the ticket counter

Scott Avetta

The Impact of Color in Your Photography (MBG)

All levels. During this classroom-only session we will discuss the importance of color and the color palette in your images, both positive and negative. From a few quick camera tips to lighting to composition, we will learn how to create greater impact in an image with the proper use and balance of color and composition. We will also discuss the importance of less vibrant, saturated tones.

Saturday, February 27

10 a.m. to noon

\$28 members; \$34 nonmembers

Commerce Bank Center for Science

Education, Rooms 126 and 127

Scott Avetta

BUTTERFLY HOUSE PHOTOGRAPHY

Photography Fridays (BH)

Join fellow shutterbugs for early access to our Conservatory before the Butterfly House opens to the public. Enjoy self-guided time photographing tropical butterflies and plants with a small group. Tripods are welcome and encouraged.

Friday, September 25

or Friday, October 23

or Friday, November 20

or Friday, December 18

or Friday, February 26

9 a.m. to 10 a.m.

\$8 members; \$10 nonmembers

Meet at the ticket counter

BH staff

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

Thursday, October 15

5:30 to 8 p.m.

\$43 members; \$51 nonmembers

Meet at the ticket counter

Scott Avetta

LOVE THE BUTTERFLY HOUSE?

Enjoy a special event!

See pages 58-60.

BOOterfly House Photography (BH) **NEW**

Beginner/intermediate. Plants that eat meat and owls that eat fruit? Gain exclusive access to the Butterfly House when the magnificent owl butterfly is at its best, and fantastic carnivorous plants adorn our Conservatory. Professional photographer Scott Avetta will be available to assist with capturing the best image. Participants should have a basic understanding of their camera's functions.

Monday, October 19

9:30 a.m. to noon

\$43 members; \$51 nonmembers

Meet at the ticket counter

Scott Avetta



Butterfly Chrysalis Photography (BH)

Beginner/intermediate. Join us during Winter Jewels when we are showcasing the magic colors of nature. Jewel-like chrysalises will be posed to provide the ideal environment for photos, and entomology staff will be on hand to identify and handle the chrysalises. You will also be able to photograph all the colors of the Butterfly House from blooms to butterflies to our holiday display of fairy houses. Professional photographer Scott Avetta will lead the class and give instruction on how to achieve a perfect photo of each subject.

Monday, November 16

9:30 a.m. to noon

\$43 members; \$51 nonmembers

Meet at the ticket counter

Scott Avetta

Photography continued...

Orchid Photography (BH) **NEW**

All levels. The Butterfly House is home to many different orchids that thrive in the rainforest environment. This class gives you exclusive access before hours so you can capture images of these gorgeous flowers using tripods. The natural lighting of the Conservatory highlights the natural beauty of these flowers for spectacular images. Professional photographer Scott Avetta will lead a brief discussion on subject selection and composition at the start of the class and be on hand to assist throughout.

Monday, November 23

9:30 a.m. to noon

\$43 members; \$51 nonmembers

Meet at the ticket counter

Scott Avetta

Blue Morpho Photography (BH)

All levels. This class offers the special privilege of taking photographs with an instructor in a before-hours, photographer-only class. More than 1,000 blue morpho butterflies fill our Conservatory during this event, and their beauty makes them wonderful photography subjects. Gain rare access to the Butterfly House to take photos with professional assistance using a tripod. Participants should have a basic understanding of their camera's features.

Monday, February 22

9:30 a.m. to noon

\$40 members; \$50 nonmembers

Meet at the ticket counter

Scott Avetta

SHAW PHOTOGRAPHY



Astrophotography (SNR)

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

Saturday, September 19

5 to 11 p.m.

\$70 members; \$84 nonmembers

Carriage House

Lonnie Gatlin

Fall Prairie Photography (SNR) **NEW**

All levels. Join Scott Avetta to capture the early fall beauty of Shaw Nature Reserve. This small group will space out near the Whitmire Wildflower Garden and the nearby prairie to photograph the amazing potential of early fall. Asters, sumac, prairie grasses, and webs will likely be a few of our subjects. We will learn how slowing down, subject selection, and working the subject will make a huge difference. Scott will provide tips at each location on lighting, aperture, and composition. You will receive one-on-one assistance in the field. Participants should have a basic working knowledge of their camera. Come prepared for about a 1-mile walk. The use of a tripod, cable release/remote, and polarizer are helpful but not necessary.

Saturday, October 3

7 to 11 a.m.

\$55 members; \$66 nonmembers

Carriage House

Scott Avetta

Mastering Smartphone Photography, Shooting, and Sharing (SNR)

All levels. Smartphone photography has rapidly become a fixture in our daily lives as more images are being taken and shared using mobile technology. The plethora of photo enhancement and sharing apps available and the options for photo creativity are almost unlimited. Join local photographer Jeff Hirsch for a 1-day workshop designed to get the best-looking images out of your phone's camera and discover the amazing ways to enhance them.

Friday, October 23

9 a.m. to 4 p.m.

\$80 members; \$96 nonmembers

Carriage House

Jeff Hirsch

Macro and Close-up Nature Photography Workshop (SNR)

Beginner/intermediate. Through a macro lens, the veins of leaves become a mosaic pattern, textures of tree bark become a mountain range, and shallow depth of field simulates a watercolor background. A long lens can also produce compelling close-ups while shooting further from the subject.

This workshop will include a presentation, basic equipment considerations (macro and long lens), shooting assignments in the field, and a friendly critique of participants' images. There will also be a visual scavenger hunt for a fun challenge.

Saturday, November 7

8:30 a.m. to 3:30 p.m.

\$110 members; \$132 nonmembers

Carriage House

Dan Dreyfus

Follow us on Social Media!

Follow each of our three locations on social media to enjoy photos, live videos, updates, and more!



Instagram

@mobotgarden

@butterflyhousestl

@shawnaturereserve



Facebook

@missouribotanicalgarden

@butterflyhousestl

@shawnaturereserve

FOOD AND COOKING

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

CULTURAL INSPIRATIONS

Paella! (MBG)

Join us for an evening of Spanish fun as we explore the world of paella! We'll make a big pan from scratch as we learn about the history of the dish, the traditional ingredients, and just how easy it is to prepare this 1-pot meal. While the paella simmers, everyone will sample classic tapas and our special sangria. Take home recipes for your own paella party!

Wednesday, September 9

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Marianne Prey



The Queen's Cuisine Unofficial Harry Potter's Afternoon Tea (MBG)

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

Monday, October 26

or Monday, November 2

6 to 8 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Jane Muscroft

Mardi Gras Rules in St. Louis! (MBG)

Time for NOLA in St. Louis! Chef Diana Smith will be making all-new recipes with quick dirty rice, saucy Creole shrimp, Maque Chouz (classic Cajun dish with stewed corn and vegetables), and chocolate bread pudding.

Saturday, February 6

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Diana Smith

French Lunch (MBG) **NEW**

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

Wednesday, February 10

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

\$29 members; \$35 nonmembers

Kemper Center for Home

Gardening Room

Caroline Achard

LEARN HOW TO GROW YOUR OWN FOOD!

Strawberries, Blueberries, and More
Page 28

Organic Heirloom Vegetables
Page 30

Creating Raised Beds for Organic Vegetables
Page 30

EAT MORE PLANTS

Seasonal Lunch (MBG) **NEW**

Let's get ready for fall and winter months and prepare a comforting French classic gratin. Caroline will be demonstrating how to make gratin dauphinois that you will be enjoying for a light lunch with a green salad and a seasonal French pear tart: *la tarte Bourdaloue*!

Wednesday, September 23

or Wednesday, October 21

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

\$29 members; \$35 nonmembers

Kemper Center for Home

Gardening Room

Caroline Achard

Purple Eggplant Reigns! (MBG) **NEW**

Join Chef Diana Smith for an all-new class featuring eggplant! She will demonstrate how to make eggplant baba ganoush, grilled eggplant with smashed avocado and blistered tomatoes, eggplant involtini, and pasta with seafood and eggplants. Delicious!

Saturday, September 26

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Diana Smith

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

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

Monday, September 28

or Monday, October 5

6 to 8 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Jane Muscroft



Crisps and Cobblers (MBG)

Your enthusiasm for crisps and cobblers is insatiable, and Diana's ideas are infinite! With her new recipes she will demonstrate how to make chocolate cobbler, drop biscuit and dried cherry cobbler, pumpkin cobbler, and tipsy cranberry crisp. Enjoy!

Saturday, October 10

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Diana Smith

Foodie Fun and Decorating with Herbs (MBG)

Herbs enhance our foods with flavor and aromas and even make great centerpieces. The St. Louis Herb Society will provide ideas on how to use seasonal herbs with an emphasis on specific herbs to use in the fall, fresh and dried, best practices for using fresh herbs, and some fun new gadgets that make chopping and mincing herbs a breeze. Learn how to create seasonal centerpieces using herbs. Join in the fun and get inspired.

Wednesday, October 14

9:30 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

The St. Louis Herb Society

Food and Cooking continued...

Soups in 30 Minutes (MBG)

Please join Marianne and learn to make quick, wonderful soups. She will be making Portuguese sausage and kale soup, Italian tomato soup with parmesan crisps, creamy cauliflower soup with roasted spiced chickpeas, in addition to a 30-minute beer bread. Enjoy soups year-round!

Wednesday, October 14

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Marianne Prey

Death by Chocolate (MBG)

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

Saturday, October 17

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Tori McCarty

Liven Up Your Pasta Night (BH) *NEW*

If you're getting tired of your standard pasta sauce and looking for something new to liven up your meal, then join Larry of Championship Catering as he shows you the diverse world of pasta sauces and teaches time-saving hints that are perfect for entertaining guests at home. That's not all! Larry will also offer tips on how to make the perfect omelet at home. Larry is chef for the Cardinals visitor club house and all the stars that perform at the Hollywood Casino Amphitheater.

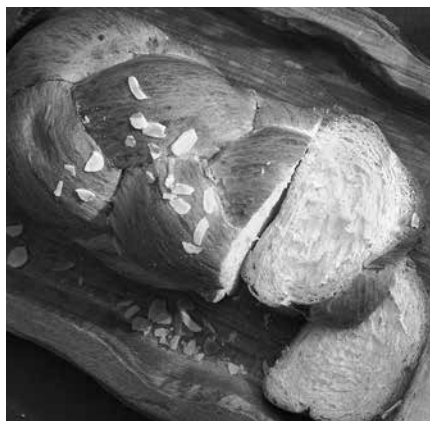
Wednesday, November 4

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

Lopata Learning Lab

Larry Gerstein



Introduction to Bread Baking (MBG)

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

Thursday, November 12

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Caroline Achard

Crepes and Galettes Hands-On (MBG) *NEW*

Come learn how to make delicious, sweet crepes and savory buckwheat *galettes bretonnes* from scratch; it's going to be fun and yummy! During class, we'll make both batters, cook crepes and galettes, and garnish them with sweet and savory fillings such as *caramel au beurre salé*, *galette complète*, and many others.

Wednesday, January 13

10 a.m. to noon

\$37 members; \$43 nonmembers

Kemper Center for Home

Gardening Room

Caroline Achard

Wintry Salads (MBG) *NEW*

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

Wednesday, January 13

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

**Kemper Center for Home
Gardening Room**

Marianne Prey

**Winter Citrus Boost! (MBG)**

Need a boost of sunshine? Diana Smith will be making immune-boosting winter citrus smoothie, Thai ginger turmeric chicken soup with lime, pan-seared citrus shrimp, and dark chocolate orange slice-and-bake cookies. That should help!

Saturday, January 16

10 a.m. to noon

\$37 members; \$43 nonmembers

**Kemper Center for Home
Gardening Room**

Diana Smith

Hands-On Pasta Making (MBG) *NEW*

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

Wednesday, February 10

6:30 to 8:30 p.m.

\$37 members; \$43 nonmembers

**Kemper Center for Home
Gardening Room**

Marianne Prey

**Check out the *NEW*
Gourmet Grubs class!
See page 59**

GARDENING AND LANDSCAPING

GARDENING BEST PRACTICES

Become a Great Gardener (MBG)

These classes are designed for beginners just getting into gardening. All plants and supplies are provided. Come prepared for a ½ to 1-mile walk. Price per person, per class.
Sharon Lloyd

Back to Basics Garden Boot Camp

Whether you are new to gardening or just need a refresher, this series is for you. Join us for this intensive, interactive 3-part series and discover the importance of soil, mulch, watering, and plant nutrients. Learn about plant location, types of plants, division, and overall maintenance. This series will be a combination of classroom lecture and outdoor walks.
3 Tuesdays: September 15, 22, 29
5:30 to 7:30 p.m.
\$66 members; \$80 nonmembers
Missouri Room

Fall Porch Pot

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.
\$62 members; \$74 nonmembers

at the Missouri Botanical Garden
Thursday, September 24
5:30 to 7:30 p.m.
Botanical Room

at the Butterfly House
Thursday, October 1
1 to 3 p.m.
Lopata Learning Lab

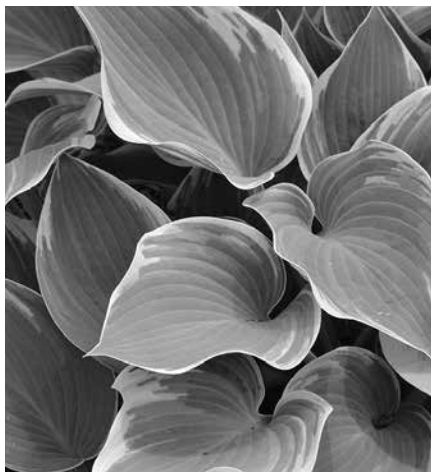


Putting Your Garden to Bed

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.
Tuesday, October 6
5:30 to 7:30 p.m.
\$28 members; \$34 nonmembers
PlantLab

Evergreen Holiday Porch Pot

Welcome your guests with beautifully decorated winter porch pots! 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.
Thursday, December 3
1 to 3 p.m.
\$62 members; \$74 nonmembers
Commerce Bank Center for Science Education, Rooms 126 and 127



Low-Maintenance Perennials (MBG)

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

Tuesday, September 8

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Sharon Lloyd

Rescue and Renovate Your Cool-Season Lawn (MBG)

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

Tuesday, September 8

6 to 8 p.m.

\$28 members; \$34 nonmembers

Missouri Room

Glennon Kraemer

Easy Tree I.D. (off-site)

Do you ever wonder about the trees in your neighborhood? Can you tell the difference between a native tree and an invasive? Maybe it's time to take a beginner's tree I.D. class! Learn about the trees that make up your world. Join certified arborist Mark Grueber as he eases students into this multi-day learning experience through a presentation and lots of time discovering the Powder Valley Nature Center. Come prepared for a 1-mile walk.

3 Tuesdays: September 15, 22, 29
5 to 7 p.m.

\$84 members; \$100 nonmembers

Powder Valley Conservation

Nature Center

11715 Cragwold Road

Kirkwood, MO 63122

Mark Grueber



Pruning Shrubs (MBG)

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

2 Tuesdays: September 15, 22

5 to 7 p.m.

\$56 members; \$72 nonmembers

Meet at the ticket counter

David Gunn

*Gardening and Landscaping continued...***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.

Monday, September 21

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Elizabeth Wahle

**Historic Trees of the Garden (MBG) *NEW***

Look beyond the leaves and acorns to appreciate the long history of trees growing at the Missouri Botanical Garden. From sweet gum seeds that went to space to dawn redwood started by Dr. Raven to trees planted during Henry Shaw's time, Dave Gunn will show you historic trees on the Garden grounds through this informative walking tour filled with amazing stories. Come prepared for a 1-mile walk.

Wednesday, September 30

5 to 7 p.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

David Gunn

Seed Harvesting for the Home Gardener (MBG)

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

Tuesday, October 13

5 to 7 p.m.

\$33 members; \$39 nonmembers

Kemper Center for Home

Gardening Room

Daria McKelvey

Behind the Scenes—Fall in Love with Bulbs (MBG)

Are you ready for fall bulb planting? Join horticulturist Travis Hall as he leads a practical class on gardening with bulbs, pointing out the beauty and diversity of these underground plant structures. During this outdoor, walking class he'll discuss design concepts, bulb physiology and horticultural techniques required for growing healthy bulbs.

Tuesday, October 20

(Rain date October 27)

5 to 6 p.m.

\$14 members; \$17 nonmembers

Meet at the ticket counter

Travis Hall



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 fertilization for a variety of popular orchids.

This course is appropriate for both orchid novices and enthusiasts.

Tuesday, October 20

5 to 7 p.m.

\$28 members; \$34 nonmembers

PlantLab

Babs Wagner

Growing Your Green Thumb for Houseplants (MBG)

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

Tuesday, October 20

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Kemper Center for Home

Gardening Room

Aaron Lynn-Vogel



Gardening Resources

Access thousands of gardening resources in one place:

- Plant Finder
- Advice, tips, and tricks
- Visual guides
- Gardening Q&As

mobot.org/gardeninghelp

*Gardening and Landscaping continued...***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 9

10 a.m. to noon

\$31 members; \$40 nonmembers

Commerce Bank Center for

Science Education, Room 125

Sharon Lloyd

**Hydroponic Basics (MBG)**

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

Saturday, February 6

10 a.m. to noon

\$68 members; \$82 nonmembers

Commerce Bank Center for

Science Education, Room 126

Aaron Lynn-Vogel

**Organic Heirloom Vegetables (MBG)**

Heirloom vegetables are open-pollinated, nonhybrid 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 20

10 a.m. to noon

\$33 members; \$40 nonmembers

Commerce Bank Center for

Science Education, Room 126

Cheryl Rafert

Creating Raised Beds for Organic Vegetables (MBG)

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

Monday, October 5

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Cheryl Rafert



Become a Member

of the Missouri Botanical Garden, Shaw Nature Reserve, and Sophia M. Sachs Butterfly House! Members receive discounted prices on classes, plus many other benefits.

There are 3 easy ways to become a member today:



mobot.org/membership

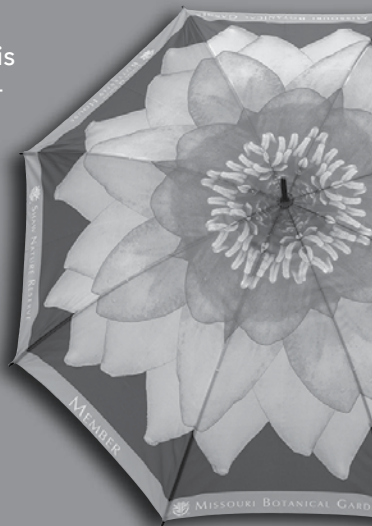
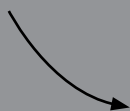


membership@mobot.org



(314) 577-5118

Plus, receive this year's member-exclusive Garden umbrella as our FREE gift to you!*



* While Supplies Last

GARDENING FOR BIODIVERSITY



Council Ring Conversations (SNR)

Join us for these informal-style classes held in the Council Ring Garden inside the Whitmire Wildflower Garden. Bring your own appetizers and beverages. We will meet at the back porch of the Carriage House and walk the short distance down to the Council Ring Garden. This informal series will be conversational in style. 5 to 7 p.m.

\$12 members; \$14 nonmembers

Meet at the Carriage House

Incorporating Native Landscape Concepts into Existing Non-Native Gardens

More often than not, homeowners are looking to add native plants and features to already existing gardens full of non-native plants. This discussion will explore how to incorporate native plants into existing gardens. It will cover the pros and cons of certain cultivars of native plants. It will also will help you understand garden design better so your gardens will not only look good to birds and butterflies, it will look great to you.

Thursday, September 3

Scott Woodbury, Cassie Bock-Holcolm, and Victoria Hatfield

Designed Plant Communities

Designed plant communities are densely planted, plugged plantings with high species diversity. They aren't maintenance-free by any means, but take half as much time to maintain compared to a traditional landscape. For large-scale landscapes, time management is critical. Many gardens often fail because they are too big to maintain. As a society, we either need to begin to fully realize the cost of traditional landscape maintenance or use smarter designed plant communities to leverage ever-shrinking resources.

Thursday, October 8

Scott Woodbury, Gabe Presley, and Victoria Hatfield

Gardening with Environmental Benefits (SNR)

Why should we garden with native plants? We value plants not only for how they look, smell, and feel, but also for the oxygen they provide, benefits provided to the soil, and—perhaps most importantly—how they convert sunlight into food. Discuss this and other wisdom shared by Doug Tallamy in the best-selling book, *Nature's Best Hope*. Learn the tangible benefits of adding native plants to your garden from the facilitators and fellow classmates.

Thursday, November 12

Scott Woodbury and Chris Hartley

Putting Your Butterfly Garden to Bed (BH)

When is it safe to clean up a butterfly garden for winter? When can you cut back a butterfly host plant?

How do you make a garden safe for overwintering beneficial bugs? This class will answer all of these questions and more. Come learn how to tuck your garden in for the best winter's rest.

Saturday, September 26

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

\$21 members; \$25 nonmembers

Lopata Learning Lab

BH staff

Hackin' Honeysuckle and Other Invasive Plants (MBG)

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

Thursday, October 8

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Allison Brown

Top 10 Natives (MBG)

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

Tuesday, October 13

5:30 to 7:30 p.m.

\$33 members; \$39 nonmembers

PlantLab

Sharon Lloyd

LANDSCAPE DESIGN IDEAS**Home Landscape Design (MBG)**

Transform your home landscape into a natural oasis that's both beautiful and beneficial to the environment. Beginning with the basics of design, you will learn about how to turn your yard into a personal place, reflective of you and your family. You'll learn about landscapes, sustainability, and plant selection for your home. Develop a landscape plan during class for your own yard and study plant material independently. Some gardening experience recommended. Bring photos of your yard to the first session.

**6 Wednesdays: September 9, 16, 23, 30;
October 7, 14**

6:30 to 9 p.m.

\$149 members; \$179 nonmembers

Botanical Room

Russ Volmert

**Purposeful Color in Your Garden (MBG)**

Let's take a page from our coloring books and transfer our imaginations to our gardens! Whether it's creating a front door focal point, mixing shades for a monotone planting, or just getting a better idea of how color combinations work, join Terry as you "step out of the box" for some different approaches to applying the principles of color theory to your garden. Bring your color-themed project ideas along to class, and Terry will discuss some choices to add to your plant palette.

Tuesday, September 15

6 to 8 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Terry Milne

Gardening and Landscaping continued...

Rain Gardens (MBG)

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

Thursday, September 17

5 to 7 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Ned Siegel

Perennial Bed—Remake (MBG)

Fall is a great time to rejuvenate your perennial garden through dividing and transplanting. During Mariel's indoor presentation, learn easy maintenance techniques to keep your garden beautiful throughout the year. Outdoors, take a short tour to see perennials that grow great in the Midwest. Then try dividing some perennials yourself and take home a plant or 2. Come prepared for a short walk.

Monday, September 28

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room

Mariel Tribby

Plants for 4 Season Interest (MBG) *NEW*

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

Thursday, October 15

5:30 to 7:30 p.m.

\$28 members; \$34 nonmembers

PlantLab

Sharon Lloyd

Small Space Gardening (MBG)

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

Saturday, January 23

10 a.m. to noon

\$28 members; \$34 nonmembers

PlantLab

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 23

6 to 8 p.m.

\$28 members; \$34 nonmembers

PlantLab

Nathan Urben



Understanding the 3Rs (MBG)

The 3Rs is a familiar trio of conservation—reduce, reuse, and recycle—but there are often questions about each of these actions. Why is reducing important if items can be recycled? How can items be reused? What happens after plastic goes into that blue bin? The 3Rs series is designed to help answer these questions and many more. Each class will give you tools you can use immediately after leaving class to help “green” your life. Attend 1 or all 3 classes to learn in-depth about how you can reduce, reuse, and recycle in your home.

6:30 to 8 p.m.

\$10 members; \$12 nonmembers

Maggie McCoy

Reducing 101

Welcome to the first program in the 3Rs series! Reducing waste is one of the best ways to help our environment, but it can be difficult to reduce waste in our own lives. Why is reducing so important when recycling is available? How can food waste and waste from single-use items be reduced? This class will help you identify strategies for reducing waste, with a special focus on food and plastic waste. You will walk out with concrete steps for how to reduce your impact on the environment.

Wednesday, October 7

Commerce Bank Center for Science Education, Rooms 126 and 127

Reusing 101 (MBG)

Discover new ways to reuse old items in the second program of the 3Rs series with the creative staff at Perennial! Tara Morton, Perennial's Programs Manager, will demonstrate techniques for transforming common everyday items into material that can be used in your next craft project. Participants will learn about many different projects that can be made with reused materials, and will even get to make a few handmade projects of their own! We'll talk about ways to reuse year-round, and will make gift bags, mug cozys, and cork trivets—all great items for the upcoming holiday season.

Wednesday, November 11

Commerce Bank Center for Science Education, Rooms 126 and 127

Recycling 101

This is the final program in the 3Rs series. It's often hard to figure out what can be recycled and what has to be thrown away, and even harder to explain it to skeptical friends and family. Are bottle caps okay? What about plastic bags? Does it even get recycled anyway? In this class, you will learn firsthand what actually can be recycled, where St. Louis recyclables go, and what has to be tossed to the landfill. We'll discuss the importance of recycling, the value of products, the process it takes for things to get sorted and recycled, and tips and tricks for you to get friends and family member to embrace recycling in their lives. Leave class feeling knowledgeable and empowered to become a community recycling ambassador.

Wednesday, February 10

Commerce Bank Center for Science Education, Room 125



*Sustainable
solutions
you can use!*

**The EarthWays Center is
here to help you discover
green living tips and
resources you can use
every day.**

**Learn more at:
mobot.org/sustainability**



**Earth
Ways
Center**
sustainable
solutions

Green Living continued...



Monarchs and Mosquitos (MBG)

Control the pests, protect the pollinators, enjoy more of nature—and educate your neighbors! Understanding the ecological bonds between insects and native plants—and protocols of our public health agencies—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 fun, facts, and biodiverse motivation into issues that can bug us!

Wednesday, September 9

6 to 8:30 p.m.

\$35 members; \$42 nonmembers

PlantLab

Jean Ponzi

Creating Your Edible Food Forest (MBG)

In this class Crystal Stevens, community expert in growing, harvesting, and preserving food, will share tips from her new book to help you discover how to transform your yard into an edible oasis. Crystal will cover the wide range of topics needed to be successful in growing and harvesting edible food in your own yard including soil building, choosing the right plants for our climate, creating cultivated ecologies, creating edible foodscapes, and attracting pollinators. All participants will receive a copy of Crystal’s new book, *Your Edible Yard*, to take home.

Saturday, September 12

1 to 3 p.m.

\$40 members; \$48 nonmembers

Kemper Center for Home

Gardening Room

Crystal Stevens

DIY Rain Barrel Demonstration (MBG)

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

Saturday, September 12

10 a.m. to noon

\$28 members; \$34 nonmembers

Commerce Bank Center for

Science Education, Room 125

Perennial

Green Burial—A Better Way to Go (MBG)

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

Wednesday, November 4

6:30 to 8:30 p.m.

\$10 members; \$12 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 2 small-scale, adaptable methods for the kitchen: bokashi and vermicomposting. Maggie will demonstrate how to build each of these systems, and participants will walk away with their own kitchen scrap collector.

Wednesday, November 18

6:30 to 8 p.m.

\$36 members; \$44 nonmembers

Commerce Bank Center for Science

Education, Rooms 126 and 127

Maggie McCoy

GUIDED WALKS AND TOURS

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



Wetland Walk (SNR) **NEW**

Join us for a 1½-mile walk on mostly flat ground to explore our wetland. We'll walk the Wetland Trail, which takes you through this 32-acre area and includes a 300-foot boardwalk, a bird blind, a photography blind, 8 ponds, and a wet meadow. Bottle gentian, bur oak, asters, bald cypress, bull frogs, green heron, box turtles, and red-winged blackbirds are a few of the plants and animals we might see.

Friday, September 4

10 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Rachel Weller

Morning River Trail Hike (SNR) **NEW**

Join us for a 3-mile hike on the Rus Goddard River Trail, which will take us along a ridge, down to a gravel bar on the Meramec River, and back up again. The Meramec River, like other Ozark rivers, has created the unique spectacular bluffs, scenic valleys, and hills that we will visit as we hike. We'll also pass through glades, woodland, and bottomland river woodland where we are sure to see a variety of plants and animals such as pawpaw trees, sycamore trees, woodpeckers, and more.

Friday, September 11

9 to 11 a.m.

\$10 members; \$12 nonmembers

Maritz Trail House

Rachel Weller

Charleston Family Farm—Choosing Sustainable Fruits (off-site)

Come and visit a working mini-orchard in the city. This tour will be a look into some of the many fruiting trees, shrubs, and vines that grow well in our climate and answer questions about how to grow them sustainably without a lot of costly inputs. One of the best ways to select fruits for your own yard is to see them growing firsthand and hear about the needed time and work to make them thrive before you commit to planting. If you've been curious to see what it takes to grow a raspberry patch, heritage apples, native passion fruit vines, and more, join us this fall. Bring all of your fruit questions along. Please note that only street parking is available. No restrooms are onsite. We will have drinking water available for the tour, or feel free to bring your own. There are uneven paths which can be slippery at times; please consider bringing a cane if you may need extra stability walking outdoors.

Monday, September 14

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Charleston Family Farm

3317 South Virginia, St. Louis, MO 63118

Kelsey Powers

Behind the Scenes Tour of the Greenhouse (MBG)

Here is your special opportunity to view the behind-the-scenes horticulture production greenhouse of the Garden's living collection. Take a tour of the Garden greenhouse facilities with Nursery Manager Derek Lyle and learn the efforts involved with maintaining and producing plants of conservational value. Topics discussed will also include integrated pest management, greenhouse equipment operations, and a walk through of how the Garden produces seasonal plants for the outdoor displays.

Tuesday, September 15

5 to 7 p.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

Derek Lyle



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

Experience this popular after-hours walking tour in the Japanese Garden with Senior Horticulturist Greg Cadice and gain a new appreciation for *Seiwa-en*, the “garden of pure, clear harmony and peace.” Greg will highlight features of this world-famous garden including scenic vistas, Teahouse Island, and how the horticulture staff and volunteers create an overall feeling of serenity in this special place. Come prepared for a 1-mile walk. Tuesday, September 15

5 to 7 p.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

Greg Cadice

EarthDance Organic Farm—Historic Farm in Ferguson, MO (off-site)

Gather your friends, family, or civic group for a private tour of our historic farm in Ferguson! EarthDance Organic Farm School’s goal is to educate members of the St. Louis community about organic farming and gardening. This special 90-minute tour led by EarthDance’s own farmer will include an overview of the farm’s history, an introduction to our many hands-on educational and community programs, and guided walking and tasting tour of our 14-acre nonprofit, certified organic farm. Come prepared for a short walk.

Thursday, September 17

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

EarthDance Organic Farm School

233 S Dade Ave., Ferguson, MO 63135

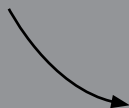
EarthDance Farm



#OurGardenYourHome

Enjoy the beauty of the Garden and let your knowledge of the natural world keep growing, no matter where you are.

discoverandshare.org/ourgardenyourhome



*Guided Walks and Tours continued...***Sacred Seeds Medicinal Walking Tour (MBG)**

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

Saturday, September 19

10 to 11:30 a.m.

\$21 members; \$26 nonmembers

Meet at the ticket counter

Wendy Applequist

**Nature Immersion—****Take the Time (MBG) *NEW***

Experience nature at the Garden in a guided, personal way. Immerse yourself in the details of seasonal characteristics by taking time to explore with your senses during a 90-minute walk. The wonders of the Garden will provide a setting for slowing down, with a walk designed to change how you view nature, including suggestions for making these practices a part of everyday life. Come prepared for a 1-mile walk.

Monday, September 21

10 to 11:30 a.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

Jeanne Carbone

Technology of Single Stream Recycling (off-site)

Have you ever wondered just how your recycling is separated or how a recycling center operates? Take this tour of the Republic recycling center in Hazelwood and see just how amazing the process can be! The tour will include a full tutorial by Republic staff on how the machines operate, an up-close look at the whole process, and an overview of proper recycling practices to help you learn the dos and don'ts of recycling in our region.

Thursday, September 24

or **Tuesday, January 19**

5:30 to 7 p.m.

\$15 members; \$18 nonmembers

Republic Recycling Center

6025 Byassee Dr., Hazelwood, MO 63042

Republic Services staff

**Morning Prairie Hike (SNR) *NEW***

Join us for a 3-mile hike to see our prairie in full bloom. We'll hike the hilly Prairie Trail loop and enjoy panoramic views of the Nature Reserve's 200-acre central prairie corridor. Learn about the history of this prairie and get to know key prairie species, like big bluestem, compass plant, sumac, bluebirds, sparrows, goldfinch, deer, and more.

Friday, September 25

9 to 11 a.m.

\$10 members; \$12 nonmembers

Maritz Trail House

Rachel Weller

Leaves and Seeds Fall Hike (SNR) *NEW*

Join us for a 3½-mile hike to see the leaves and seeds of fall. Hear about acorns, leaf shapes to identify trees, and some of the fruit such as persimmon and pawpaw. We'll check a persimmon seed to find out if we should expect lots of snow this winter, according to folklore. Hike will be on grass and dirt paths on rolling hills.

Friday, October 16

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

\$10 members; \$12 nonmembers

Bascom House front lawn

Master Naturalist Loretta Romanic

**Garden Ghost Stories (MBG)**

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

Tuesday, October 20

or Thursday, October 22

or Wednesday, October 28

6 to 8 p.m.

\$28 members; \$34 nonmembers

Meet at the ticket counter

Kim Petzing

Fall Foliage Wagon Ride (SNR) *NEW*

Climb aboard the Shaw Explorer as we travel the 3-mile Loop Road to view our fall foliage. We'll pass the cypress trees around the lake, the sugar maple grove, pawpaws at Brush Creek, the tallgrass prairie, and more as you enjoy the ride. Learn about the science behind the beautiful colors of fall and how to bring more fall color to your yard.

Friday, October 23

10 a.m. to noon

\$15 members; \$18 nonmembers

Meet at the Visitor Center

Rachel Weller

Fall Foliage Hike (SNR) *NEW*

Join us for a 3-mile hike to view the fall colors at Shaw Nature Reserve. We'll enjoy the tallgrass prairie and the overlooks along the river trail. Learn about the science behind beautiful fall colors and how to bring more fall color to your yard. Asters, big bluestem, maples, oaks, sumac, coneflowers, and more will be seen along the trail.

Friday, October 30

10 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Rachel Weller

Cypress Stroll (SNR) *NEW*

Join us for a 1½-mile walk on mostly flat ground to view our stately bald cypress trees around newly renamed Cypress Lake. Fall brings a lovely orange to rust-colored hues on the needles of this deciduous conifer. As we stroll along the lake, you will learn about the history of these trees, the various varieties, and unique characteristics of bald cypress. The reflection of the trees in the lake is beautiful, so you'll want to bring your camera!

Friday, November 6

10 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Rachel Weller



Behind the Scenes—The Orchid Greenhouse (MBG)

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

Saturday, November 7
9 to 10:30 a.m.

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

Evergreens of Shaw Nature Reserve Walk (SNR) **NEW**

Join us for a 1½-mile walk on a gently rolling trail to see groves of 4 evergreen species along the Wolf Run Trail. The fresh scent of pine will greet you as we walk this loop. At the halfway point, we'll enjoy the sight of the lake encircled by bald cypress. You'll also learn about the history of these plantings.

Friday, January 29
10 a.m. to noon

\$10 members; \$12 nonmembers
Meet at the Visitor Center
Rachel Weller

Winter Garden Walk (MBG) **NEW**

With their subtle beauty and charm, winter gardens can be some of the most rewarding. Bundle up and come join Garden Horticulturist Nathan Urban on a walk. Learn about plants—like witchhazels, hollies, maples, dogwoods, and interesting evergreens—that enliven the winter garden. In addition to their ornamental qualities, Nathan will discuss how to grow these beauties and how to incorporate them into your garden. Enjoy a complimentary hot beverage from the Sassafras during the walk. Come prepared for a 2-mile walk.

Saturday, January 30

10 a.m. to noon

\$33 members; \$39 nonmembers
Meet at the ticket counter
Nathan Urban

Valentine's Night Hike (SNR)

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

Friday, February 12
7 to 10 p.m.

\$24 members; \$29 nonmembers
Dana Brown Overnight Center
SNR staff and volunteers

HEALTH AND WELLNESS

Essentrics Dynamic Stretch (SNR)

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

**5 Wednesdays: September 2, 9, 16, 23, 30
6 to 7 p.m.**

\$38 members; \$45 nonmembers

Bascom House front lawn

Meaghan McGuire

Wednesday Walkers (SNR)

We will walk on dirt, gravel, and grass trails through woodland, prairie, wetland, and river bottom trails that range from easy to more strenuous beginning at 1-mile and working up to 3 (weather permitting). At the end of 2 months you will have hiked most of Shaw Nature Reserve's trails and made new friends. The final walk is called "Reward Wednesday" and includes a potluck gathering.

**9 Wednesdays: September 2, 9, 16, 23, 30;
October 7, 14, 21, 28
10 to 11:30 a.m.**

Free for members; \$45 nonmembers

Follow the signs from the entrance

Rachel Weller



Winter Wednesday Walkers (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.

**6 Wednesdays: December 2, 9;
January 6, 13; February 3, 10
10 to 11:30 a.m.**

Free for members; \$30 nonmembers

Follow the signs from the entrance

Rachel Weller

Mindfulness in the Garden (MBG)

Immerse yourself in the sensory treasures of the Garden. We will mindfully experience the Garden's sights, sounds, and smells. Learn secrets to dealing with distractions—both inner and outer—and discover the gifts of being fully present. Enrich your appreciation of your surroundings through mindful walking, gentle relaxation, and deep listening. Quiet your mind and restore emotional balance by deepening your connection to nature. Dress for the weather and come prepared for a short walk.

**4 Thursdays: September 10, 17, 24;
October 1**

9:30 to 11 a.m.

\$75 members; \$90 nonmembers

Garden Room

Rhonda Leifheit

Health and Wellness continued...

Butterfly House Yoga (BH)

Whether you're a beginner or nearly a yogi, you are invited to join us for an hour-long session of mindfulness and well-being at the Butterfly House! Morning sessions will be held outdoors in our Native Garden, weather permitting. Doors open 30 minutes early for a pre-session meditative stroll amongst flying butterflies in our Conservatory.

Sunday, September 13

or Sunday, October 11

9 to 10 a.m.

or Tuesday, November 10

or Tuesday, December 8

or Tuesday, February 9

6:30 to 7:30 p.m.

\$15 members; \$18 nonmembers

Meet at the ticket counter

Yoga Buzz

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.

Sunday, September 13

or Sunday, September 20

or Sunday, September 27

or Sunday, October 11

9:30 to 10:30 a.m.

\$15 members; \$18 nonmembers

Missouri Room

Yoga Buzz

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 and stamina and increase your flexibility. Practicing yoga in this serene, natural setting will help you to become a more focused, relaxed, and happier you. Classes will be held outdoors.

4 Sundays: September 13, 20, 27;

October 4

9 to 10 a.m.

\$60 members; \$72 nonmembers

Bascom House front lawn

Barbie Benetin



Journey to Well-Being (MBG)

The Journey to Well-Being is an intentional walking program designed to aid participants in experiencing the calming, restorative powers of nature. The Japanese Garden serves as a peaceful setting for people to explore their relationship with nature and with themselves. This 10-week program consists of 3 facilitated meetings, including a guided tour of the Japanese Garden. The remaining weeks consist of 7 self-guided walks, inspired by themes related to natural elements such as wind, stone, tranquil water, fire, wood, powerful water, and sky. Participants will receive a guidebook that provides suggested pauses for each walk, intended to increase awareness and encourage time for reflection. Nonmembers will receive 7 Garden admission passes in order to complete the walks.

3 Thursdays: September 3; October 1, 29
10 a.m. to noon

or 3 Tuesdays: September 15;

October 13; November 10

5:30 to 7:30 p.m.

\$120 members; \$162 nonmembers

Garden Room

Jeanne Carbone

HISTORY AND HERITAGE

Bellefontaine Cemetery Tour (off-site)

We invite you to take a trolley tour that highlights champion trees, symbolic flora, and gorgeous mausoleums of famous St. Louisans guided by Horticulture staff from the Bellefontaine Cemetery. 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.

Meet the trolley at Bellefontaine Cemetery in Wildwood Valley area.

Saturday, October 17

10 a.m. to noon

\$34 members; \$40 nonmembers

Bellefontaine Cemetery

4947 West Florissant Ave, St. Louis, MO 63115

Emily Leidenfrost

Inside Look at Shaw Nature Reserve (SNR)

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.

\$10 members; \$12 nonmembers

Meet at the Visitor Center

SNR staff and volunteers

Wagon Tour

Board the Shaw Explorer 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.

Thursday, October 15

10 a.m. to noon

Cemetery Tour

We will begin our journey with a visit to a lone tombstone, and then we will visit a cemetery here at Shaw Nature Reserve. There will be some hiking to lead you by the tombstone in the garden and to the Roberts family cemetery where the last burial was in 1868. As we travel by the setting sun, you will hear the stories of the families that once lived here.

Thursday, October 29

5:30 to 7:30 p.m.

Historic Trees **NEW**

Join us for a 2-mile hike as we visit our historic trees. Formerly the Arboretum, Shaw Nature Reserve is home to remnant plantings dating back to the 1930s. We will visit several groves of old plantings, such as the cypress trees, and see some unique remnant exotic trees, as well as our native trees. You will also learn about the original 5 farms that the Missouri Botanical Garden purchased to create Shaw Nature Reserve.

Friday, November 13

10 a.m. to noon

History of the Bascom House

This picturesque red brick house was built in 1879 by former Confederate Colonel Thomas William Bouldin Crews. The 2-story modified Italianate-Victorian home was a center of 1 of the 5 working farms purchased by the Missouri Botanical Garden in 1925. Come hear about the people who lived here as we walk ½-mile inside the home and around the perimeter, learn how we restored and utilized new green building standards in the home, and learn about the history of the adjacent Whitmire Wildflower Garden.

Friday, December 18

10 a.m. to noon

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, 12-session course. The 6 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 6 full-day, weekend field trips will visit a number of good birding areas to experience the successive stages of fall migration. Participants provide their own transportation and lunch.

5 Mondays and 1 Wednesday:

September 2, 28;

October 12, 26; November 9, 30
7 to 9 p.m.

6 field trip dates: September 5;

October 3, 18, 31;

November 15; December 7

7:30 a.m. to 4 p.m.

\$250 members; \$300 nonmembers

Commerce Bank Center for

Science Education, Room 125

William Rowe

Monarch Butterfly Migration and Tagging (BH) **NEW**

Learn about the amazing migration the monarch butterfly makes from Canada to Mexico each fall. We will discuss monarch biology and describe many ways that you can help monarchs thrive around your home. We will also talk about monarch tagging and learn how this citizen science project collects valuable data that helps scientists protect monarchs long term. The class will include a short walk in our native garden to look for monarchs and plants that support them.

Saturday, September 12

10 to 11:30 a.m.

\$21 members; \$25 nonmembers

Lopata Learning Lab

BH staff



Morning Bird Walk (SNR)

This morning walk during the fall migration is designed to help you see many bird species at Shaw Nature Reserve. This walk is for those who have a basic knowledge of local birds and are comfortable using their own binoculars. Walk will be slow and up to 2 miles on uneven ground with possibly some rolling hills. Come to 1 or all of the walks; each will be different.

Wednesday, September 23

or **Wednesday, September 30**

8:30 to 11 a.m.

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Don Hays

Soil—Your Backyard and Beyond (SNR)

This introductory class covers the major soil components, soil texture, soil structure, and soil management for your home and community. We'll start indoors with demonstrations and then head outdoors to examine the soil samples from your yard and other activities. We will also take soil samples at the Nature Reserve to determine soil texture, identify soil horizons, and learn about soil formation.

Friday, September 25

5 to 7 p.m.

\$10 members; \$12 nonmembers

Carriage House

Ross Braun

Raising Monarchs—Tagging and Testing (MBG)

Learn how to participate in the citizen science aspect of monarch conservation. Josh will cover why we tag monarchs and how you can do it at home. He will discuss the problems associated with natural parasites such as protozoans and parasitic flies that can kill monarch chrysalides. Learn how to send off valuable information people can collect at home to scientists who will use it to aid conservation efforts.

Saturday, September 26

9 a.m. to 11 a.m.

\$28 members; \$34 nonmembers

Missouri Room

Josh Higgins

Oak and Hickory Woodland Tour (SNR) **NEW**

Follow us on a 2-mile hike through an oak and hickory woodland where you will see purple coneflower, goldenrod, ferns, and more. The trail will be on uneven ground. You'll hear how this area was covered in invasive plants and is now a beautiful open woodland thanks to restoration efforts such as sowing seeds, prescribed burns, and removal of honeysuckle. The open woodland is also a great place to see several bird species. Bring binoculars, water, and comfortable shoes.

Tuesday, September 29

10 a.m. to noon

\$18 members; \$22 nonmembers

Bascom House gravel parking lot

Mike Saxton

Wetland Mitigation Bank Tour (SNR)

Follow 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 and our restoration efforts, potentially see several bird species, and learn a bit about wetland plants.

Friday, October 2

9 a.m. to noon

\$18 members; \$22 nonmembers

Meet at the Visitor Center

Mike Saxton



Trees of Shaw Nature Reserve (SNR)

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

Saturday, October 10

9 a.m. to noon

\$12 members; \$14 nonmembers

Meet at the Visitor Center

Dr. James Trager

Basics of Birding at Shaw Nature Reserve (SNR)

Would you like to know more about our feathered friends, but not sure where to start? If yes, then join us for an introduction to the basics of birding! We will start outside at the Glassberg Pavilion (near the Bascom House) with the following: how to identify birds using field marks and behavior, a quick overview of citizen scientist projects including the Great Backyard Bird Count, a brief investigation of migration patterns, and a short discussion on the importance of the Great Missouri Birding Trail. After covering these topics, participants will have the opportunity to practice tips for binocular use and go on a walk to see who we can find at Shaw Nature Reserve. Come prepared for a 1-mile walk

Thursday, October 15

10:30 a.m. to noon

\$18 members; \$22 nonmembers

Glassberg Family Pavilions

Angie Jungbluth

Missouri Botanical Garden Press

Missouri Botanical Garden Press plays a key role in the Garden's mission to discover and share knowledge about plants and their environment.

Through the quarterly journals the *Annals of the Missouri Botanical Garden* and *Novon*, floras, Monographs in Systematic Botany, and other publications, MBG Press provides an important outlet for the dissemination of botanical research.

Information about subscribing to quarterly journals and an online catalog of all MBG Press publications are available at mbgpress.org.



*Nature Study continued...***Winter Bird Walk (SNR) *NEW***

Join us for a 1½-mile walk on mostly flat ground to watch the birds that call Shaw Nature Reserve home in the winter. Several of these same species can be found in your landscape if a feeder or the right plants are available. Learn or review the habits and calls of species such as dark-eyed juncos, cardinals, and black-capped chickadees in the woodland followed by eastern bluebirds in the prairie, and more.

Friday, January 8

10 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Rachel Weller


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

Great horned owls nest during the middle of winter and are the earliest birds to nest each season. Come and find out why these birds nest so early and learn all about their mating and nesting process. We will also look at the clearly defined roles of the male and female during nesting and learn all about the progression of owlet growth to dispersal age. A night hike will follow classroom instruction. Dress in layers and bring a flashlight for a fun-filled evening of learning about these “tigers of the night sky.” Come prepared for a 1-mile walk.

Monday, January 11

5 to 7 p.m.

\$28 members; \$34 nonmembers

PlantLab

Brenda Hente

Butterfly House Owl Prowl (BH)

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

Saturday, February 20

6:30 to 8:30 p.m.

\$21 members; \$25 nonmembers

Lopata Learning Lab

BH staff

Winter Tree I.D. Hike (SNR) *NEW*

Join us for a 3-mile hike to view the bark, buds, branching, and more to learn or review at least 10 native trees. We will hike Brush Creek Trail, which is the only trail at the Nature Reserve with labeled trees.

Friday, February 19

10 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the Carriage House

Rachel Weller

Winter Tree I.D. for Beginners (SNR)

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

Friday, February 26

10 a.m. to noon

\$10 members; \$12 nonmembers

Meet at the Carriage House

Rachel Weller

OUTDOOR ADVENTURES FOR ADULTS, YOUTH, AND FAMILY



Canopy Climb

For adults and/or families with children 8 and older. Whether you're an adventurous adult, a family of explorers, or anyone over 8 who loves climbing trees, this experience is a must-do. In this 2-hour course taught by expert instructors, you'll be introduced to the extraordinary world of recreational tree climbing; learn tree-climbing mechanics including techniques, balance, and safety; and have the opportunity to explore different parts of a majestic tree's canopy. This course is designed for first-time climbers. Special offer for groups: register an entire session (12 climbers), and each climber receives the member rate. Remove loose jewelry, pull hair back, and wear clothing you can move around in (such as athletic clothing). 12:30 to 2:30 p.m. or 3 to 5 p.m.

\$35 members; \$42 nonmembers

Vertical Voyages

at Shaw Nature Reserve
Saturday, September 12 or
Sunday, September 13
Maritz Trail House

at the Missouri Botanical Garden
Saturday, September 19 or October 10
or Sunday, September 20 or October 11
Meet at climb site; map
provided at registration

Hiking with Rover (SNR)

For families with children ages 8 and older. Take your favorite canine companion for a nice, approximately 2-mile hike led by Shaw Nature Reserve staff. This is a rare opportunity to spend time with your 4-legged friend at an area where dogs are not normally allowed. Your dog must be socialized (nice to all dogs and people), remain on a 6-foot leash at all times, and you must pick up and properly dispose of all waste. Hikes are on trails over rolling terrain. Please be on time! Canceled if raining.

Sunday, October 4

4 to 6 p.m.

\$12 members; \$15 nonmembers

Adlyne Freund Education Center

Karen Bryan



THE LITTLE YEARS

The Little Years Series is designed for parent-and-child experiences at 3 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; 1 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 younger siblings.

AGES 6 AND UNDER

Little Sprouts—Fall (MBG)

For ages 2–3. Learn about plants and nature with your toddler during this 7-week series. Each session includes indoor, 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. **10 to 11:30 a.m.**

\$105 members; \$126 nonmembers
Price per child, per 7-session series
1 adult per child
PlantLab and Garden grounds
Kelly Wehrheim

Monday Series | 7 Mondays
 September 14, 21, 28;
 October 5, 12, 19, 26

Tuesday Series | 7 Tuesdays
 September 15, 22, 29;
 October 6, 13, 20, 27

Wednesday Series | 7 Wednesdays
 September 16, 23, 30;
 October 7, 14, 21, 28

Little Sprouts—Winter (MBG)

For ages 2–3. 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.

10 to 11:30 a.m.
\$60 members; \$72 nonmembers
Price per child, per 4-session series
1 adult per child
PlantLab
Kelly Wehrheim

Monday Series | 4 Mondays
 November 16, 23, 30; December 7

Tuesday Series | 4 Tuesdays
 November 17, 24; December 1, 8

Youth and Family continued...

Little Bugs (BH)

For ages 2–4. Explore the world of invertebrates with your toddler while developing language, communication, cognitive, and knowledge skills.

Each session includes story time, craft, snack, and an adventure in our native garden or Conservatory.

11 a.m. to noon

\$12 members; \$15 nonmembers

Price per child, per class

1 adult per child

Lopata Learning Lab

BH staff

Magical Monarchs

Monday, September 7

Spirited Skippers

Monday, September 14

Skillful Spiders

Monday, October 5

Rustling Roly Polies

Monday, October 12

Tranquil Tarantulas

Monday, November 2

Curious Cockroaches

Monday, November 9

Munching Millipedes

Monday, December 7

Blue Beetles

Monday, December 14

Boisterous Butterflies

Monday, February 1

Hungry Hermit Crabs

Monday, February 8



Little Nature Explorers (SNR)

For ages 3–5. 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 in all series includes hands-on activities, songs, stories, snacks, and a short walk. Take 1 class or take them all. Register by September 4, 2020, for 3 or more Little Nature Explorer classes, and your child will receive a t-shirt! **10 to 11:30 a.m.**

\$12 members; \$15 nonmembers

Price per child, per class

1 adult per child

Meet at the Carriage House

SNR staff and volunteers

Senses Hike in the Wildflower Garden

Tuesday, September 15

Senses Walk in the Prairie

Tuesday, October 6

Evergreen Wreath and Walk

Friday, December 11

Senses Walk in Winter

Friday, January 15



Garden Buds (MBG)

For ages 4–6. Discover the amazing world of plants with your preschooler in Garden Buds! Register by September 4, 2020, for 3 or more Garden Buds classes, and your child will receive a free t-shirt! \$16 members; \$19 nonmembers
Price per child, per class
1 adult per child
PlantLab 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 10
10 to 11:30 a.m.
or Sunday, September 13
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 24
10 to 11:30 a.m.
or Sunday, September 27
1 to 2:30 p.m.

Beautiful Bamboo

Learn about the many uses of bamboo and create a sumi-e painting!
Thursday, October 15
10 to 11:30 a.m.
or Sunday, October 18
1 to 2:30 p.m.

Leaf Giants

Learn about the giant trees and their giant leaves as the Garden settles in to fall.
Thursday, October 29
10 to 11:30 a.m.
or Sunday, November 8
1 to 2:30 p.m.

Cheer for Chocolate

Yeah for chocolate! Join us to study and sample this favorite tropical treat!
Thursday, November 5
10 to 11:30 a.m.
or Sunday, November 15
1 to 2:30 p.m.

Plants for Presents

Create potted gifts for the holiday season, and we'll also stroll through the Climatron.
Thursday, December 3
10 to 11:30 a.m.
or Sunday, December 6
1 to 2:30 p.m.

Youth and Family continued...

Super Bugs! (BH) *NEW*

For ages 5–6. Super strength! Super camouflage! Super skeletons! These are just a few of the super powers that bugs possess. Each month, learn about a different superb Super Bug and discover the amazing abilities of our invertebrate friends. Each participant and their grown-up will discover the Super Bug inside them through dramatic play, hands-on activities, and up-close animal encounters. Price per child, per class. One adult per child.

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

\$12 members; \$15 nonmembers

Price per child, per class

1 adult per child

Lopata Learning Lab

BH staff

— Super Strength

Saturday, September 5

— Super Camouflage

Saturday, October 3

— Super Skeletons

Saturday, November 7

— Super Transformation

Saturday, December 5

— Super Eating

Saturday, February 6



Ballet and Butterflies (BH)

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

Monday, September 28

11 a.m. to noon

\$12 members; \$15 nonmembers

Lopata Learning Lab

BH staff

AGES 6 AND UP

Budding Artist (MBC)

For ages 6–12. Join us each season as we make a nature journal of your very own, or learn about an artist that was inspired by nature. We'll also plant a plant for you to take home so you can continue to make observations in your journal.

1 to 3 p.m.

\$20 members; \$24 nonmembers

Price per child, per class

1 adult per child

Kelly Wehrheim

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 20

PlantLab and Garden grounds

Andy Goldsworthy and Nature Sculptures

Join us as we learn about Andy Goldsworthy and the natural sculptures he makes, then make a small one of your own.

Sunday, October 18

Kemper Center for Home Gardening Room and Garden Grounds

Outdoor Sketchbook

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

Sunday, December 13

PlantLab and Garden grounds

John James Audubon and Birds in Winter

Join us as we learn about naturalist, ornithologist, and painter John James Audubon. We'll search the Garden for birds that we can draw with using our watercolor pencils.

Sunday, February 7

PlantLab and Garden grounds



Budding Scientist

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

10 to 11:30 a.m.

or 1 to 2:30 p.m.

Free for members; \$3 plus

admission for nonmembers

Price per child, per class. 1 adult per

3 children. Younger siblings may

attend. Registration is required.

Meet at Spoehrer Plaza between

Latzer Fountain and Tram Shelter

Kelly Wehrheim

Fall into Phenology

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

Friday, September 11, 18, or 25;

or Friday October 9, 16, or 23

Celebrate Urban Birds

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

Monday, December 21 or 28;

or Tuesday, December 22 or 29;

or Wednesday, December 23 or 30

Youth and Family continued...

Great Green Adventures

For ages 6–12. Pre-registration is recommended, walk-ins are welcome if space is available. Participation is limited to 15 children per program.

10:30 to 11:30 a.m.

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

Free for members; \$3 plus admission for nonmembers

Price per child, per class. 1 adult per 3 children. Younger siblings may attend.

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

Bye, Bye Birdies (MBG)

This is the time of year the birds begin to migrate. Join us as we discover what other animals migrate.

Saturday, September 19

Weather Watcher

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

Saturday, October 17

Preparing for Winter

Winter will soon be approaching—let's search the Garden and discover what the plants and animals do to prepare.

Saturday, November 21

Art in the Garden

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

Saturday, December 19

Tropical Trek

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

Saturday, January 16

Bird-Friendly Garden

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

Saturday, February 20



Special
Behind-the-
Scenes
Opportunity

Keeper for a Day (BH)

For ages 8–17. Become an honorary member of our animal care team and learn firsthand how we maintain a healthy and diverse invertebrate collection!

Work alongside our professional staff feeding insects, releasing butterflies, and sharing the wonder of arthropods through public demonstrations. Each participant will take home a t-shirt and a wealth of knowledge! To schedule a date, please call (314) 577-0888, ext.2.

By appointment

8:30 a.m. to noon

\$100 members; \$120 nonmembers

Meet at the ticket counter

BH staff

Buggin' it Book (BH) *NEW*

For ages 7 and up. Join us for an afternoon of creativity and learning. We'll explore the fascinating world of insects and make a handmade book to remember the day. See a variety of live bugs up close and in person. Then follow along with an instructor to create your own personalized bug book that you can share with family and friends.

Sunday, September 13

2 to 3:30 p.m.

\$21 members; \$25 nonmembers

Lopata Learning Lab

BH staff

Swiss Cheese—The Bedrock of Shaw Nature Reserve (SNR) *NEW*

For ages 6 and up. For those about to rock! Join Andy Klingensmith, from the Sights and Sounds Trail Series, and explore how geology and the Karst topography of the Ozark Plateau has shaped the Nature Reserve! Hike will be 1¾-miles on uneven trails.

Sunday, October 4

or Sunday, November 15

noon to 2 p.m.

\$10 members; \$12 nonmembers

Maritz Trail House

Andy Klingensmith

From Dusk to Dark—Shaw Nature Reserve at Night! (SNR) *NEW*

For ages 6 and up. For the nighttime adventurer: come explore the sights and sounds of Shaw Nature Reserve at night! Join Andy Klingensmith, from the Sights and Sounds Trail Series, and explore how the natural world changes as the night fades into darkness. Hike will be 1½-mile on easy trails.

Thursday, October 8

or Saturday, October 17

6 to 8 p.m.

or Saturday, November 14

or Thursday, November 19

or Saturday, December 12

or Thursday, December 17

or Saturday, January 16

or Thursday, January 21

or Thursday, February 18

5 to 7 p.m.

\$10 members; \$12 nonmembers

Meet at the Visitor Center

Andy Klingensmith

Cocoa and Canvas (BH)

For families with children ages 7 and up. Enjoy an afternoon of cocoa, snacks, and painting with your family. No prior experience is needed. Follow along with an instructor to learn how to paint a colorful butterfly on canvas! All paint supplies, snacks, and cocoa provided.

Sunday, November 15

2 to 4 p.m.

\$32 members; \$38 nonmembers

Lopata Learning Lab

BH staff

Nature-Inspired Gifts (BH)

For ages 8–12. Join us at the Butterfly House for a fun workshop where we will make gifts, wrap them, and enjoy cookies and hot cocoa. In this drop-off program, children will make 2 gifts inspired by nature they can give to family or friends. A Butterfly House staff member will be present to help everyone complete their crafts and to provide supervision. Each participant will also get to decorate their own cookie, enjoy hot cocoa, and walk through the Conservatory. Don't miss this great opportunity to make unique gifts for the holidays and enjoy the holiday season at the Butterfly House.

Friday, November 27

2 to 4 p.m.

\$40 members; \$48 nonmembers

Lopata Learning Lab

BH staff

Fanciful Fairies (BH)

For ages 6 and up. The Butterfly House has special fairy friends that protect some of our most colorful butterflies. Participants will tour our fairy gardens in the Conservatory and learn our fairies' favorite facts about the butterflies and how they live. Then, each student will make their own crystal ball inspired by their favorite fairy from our Conservatory. It's a magical class of beauty, art, and discovery.

Sunday, December 6

2 to 3 p.m.

\$12 members; \$15 nonmembers

Lopata Learning Lab

BH staff

Youth and Family continued...

Nature Navigators (SNR)

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

\$10 members; \$12 nonmembers

Price per person.

Carriage House

The Dirt on Soil

Join a soil scientist to learn all about soils. We'll explore through hands-on activities to see how rain soaks into the earth, learn how almost everything is connected to soil, use a soil probe, mold and feel soil from your backyard, and create a painting with different types of soil. Who knew soil could be so much fun? Remember to bring a small sample of soil from your home garden or yard to determine the soil texture. Majority of the class time will be spent outdoors.

Friday, October 2

4 to 6 p.m.

Ross Braun

Geocaching

You will learn navigation basics, how to use a GPS, what geocaching is, and practice finding a cache before going out on the trail to find the 8 hidden caches. All materials provided. Come prepared for a 1-mile walk. Class is completely outdoors.

Friday, November 20

4 to 5:30 p.m.

Rachel Weller

FAMILY PROGRAMMING

Rise and Shine with Butterflies (BH) **NEW**

For families with kids of all ages. Join us for a unique and unforgettable experience at the Butterfly House. Participants in these programs will be able to release a butterfly into our Conservatory. After the release, visit our butterflies in the calm early morning before we open for the day. Each class also includes a seasonal breakfast food and drink. You may purchase additional releases during the event.

9 to 10 a.m.

\$9 members; \$11 nonmembers

Price per person, per class.

Ages 2 and under are free.

Meet at the ticket counter

BH staff

Butterfly House

Spy on the awesome owl butterfly in our conservatory while you release your own butterfly. Sip some cider and dunk some donuts before venturing over to the Creepy Crawly Cave, where you will discover spectacular spiders and scorpions.

Saturday, October 3

Winter Jewels

Visit with the fairies that protect our butterflies, and learn their stories while you release your own butterfly. Enjoy hot cocoa and fairy-sized baked treats before visiting the gnome forest, where you can explore and play while discovering cool forest insects.

Saturday, November 14

Morpho Mardi Gras

Take in the magic of Morpho Mardi Gras as you release your own butterfly into our Conservatory. After the release, you can enjoy a muffin and juice as you visit with the butterflies and other animals of the Mardi Gras Bug Parade.

Saturday, February 13

Gourmet Grubs (BH) *NEW*

For adults and families with kids ages 10 and up. With Halloween just around the corner, buzz over to the Butterfly House for a cultural food adventure like no other! Through a 3-course mini-tasting (edible bugs optional), you will discover just how important insects are to our favorite foods. Join our bug culinary expert for a unique opportunity to expand your palate. The most adventurous eater earns a prize!
Sunday, October 25
5 to 6:30 p.m.

\$21 members; \$25 nonmembers

Meet at the ticket counter
BH staff

Shaw Family Adventures (SNR)

For families with children ages 3 to 10 with accompanying adult. Join us for an adventure and get hands-on with nature! Each class includes activities for your family to learn together about the plants and animals of the Nature Reserve.
10 to 11:30 a.m.

\$10 members; \$12 nonmembers

Price per person

Bascom House and Carriage House

Rachel Weller

Falling Leaves

Learn what happens in fall—leaves changing color, cooler temperatures, animals gathering falling leaves for their winter den, and more. Then we will hike around the wildflower garden on a scavenger hunt to find the signs of fall. We'll do hand-on activities and a craft along the hike. Majority of the class time will be spent outdoors.

Friday, October 9

Dropping Seeds

Learn what happens in fall—persimmons, acorns, and other fall nuts and fruit ripen in time for animals to feast before their winter sleep or collect and stash nuts for winter food. Then we will hike around the wildflower garden on a scavenger hunt, hands-on activities, and a craft as we hike. Majority of the class time will be spent outdoors.

Thursday, November 5

**Make Your Own Fairy Garden (BH) *NEW***

For adults and families with kids ages 12 and up. Welcome to the world of fairy gardening! Learn the basics of miniature gardening plant selection, creative container ideas, and the endless miniatures available, from fairies to furniture. We will tour the fairy gardens on display at the Butterfly House for inspiration, then return to the classroom to create our gardens. Let your imagination be your guide as you create a magical miniature garden of your own.

Tuesday, November 17

6 to 8 p.m.

\$55 members; \$69 nonmembers

Price per person

Lopata Learning Lab

BH staff

SPECIAL EVENTS

MISSOURI BOTANICAL GARDEN



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

INCLUDED WITH ADMISSION AT THE BUTTERFLY HOUSE

Butterfly House: Bewitching Bugs and Botanicals (BH)

Slink on over to the Butterfly House this October as we celebrate all things spook-tacularly hair-raising! Meet new frightful friends in the Creepy Crawly Cave, watch out for our Botanicals Gone Mad in the Conservatory, and spy on spectacular spiders with The Muffet Family! Muffet Family Story Time at 10:30 a.m. daily. Live carnivorous plant feedings with Professor Von Flytrapp at 1:30 p.m. daily. Tuesday-Sunday, October 1-31
10 a.m. to 4 p.m.

Free for members; included with admission for nonmembers



Winter Jewels: An Enchanted Celebration (BH)

The Butterfly House transforms during Winter Jewels: An Enchanted Celebration! Escape the cold in the Conservatory, featuring elaborate fairy garden displays, home to the guardians of our jewel-toned butterflies. Discover nature's gems in the Chrysalis Jewel Mine, play games with new friends throughout the Gnome Forest, and meet enchanted animals throughout the lands! Tuesday-Sunday, November 10-December 31
10 a.m. to 4 p.m.

Free for members; included with admission for nonmembers

Books and Butterflies (BH)

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

**Tuesday-Friday,
November 10-December 31
11 a.m. to noon**
Free for members; included with admission for nonmembers

Morpho Mardi Gras (BH)

Bring your krewe to Morpho Mardi Gras: Bugs, Butterflies, and Beads! This family-friendly carnival will have you immersed in a sea of blue as the Butterfly House floods the Conservatory with 1,500 blue morpho butterflies, from Costa Rica. For 2 weeks only, you can join the party at our Bugs on Parade, make a masquerade mask, and inaugurate the season with these majestic creatures.

**Tuesday-Sunday, February 1-16
10 a.m. to 4 p.m.**
Free for members; included with admission for nonmembers


**BY REGISTRATION ONLY
AT THE BUTTERFLY HOUSE**
Fancy Tea (BH)

Don't be late for this very important date! Our tea party will have you feeling fancy and acting silly while having fun in Wonderland! Bring your little ones to enjoy tasty treats, delightful drinks, fun crafts, amazing raffles, and more!

**Saturday, September 12
or Sunday, September 13
10 a.m. to 11:30 a.m.
or Sunday, September 13
2 to 3:30 p.m.**
\$15 members; \$20 nonmembers;
ages 12 months and younger are free

**Wicked Wings and Wine (BH)**

Spiders and beetles and butterflies, oh my! Join us for an absolutely wicked happy hour at the Butterfly House 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 spook-tacular live animals featured during the event. Take a stroll through the torch-lit Native Butterfly Garden and enjoy festive music. Dare to try a Chocolate Chirp Cookie or barbecued meal worms, compliments of the Bug Chef! Don't worry...other light appetizers will also be provided!

**Friday, October 9
5:30 to 7:30 p.m.**
\$20 members; \$25 nonmembers;
\$15 designated driver

Special Events continued...

Bug Ball (BH)

Step into the wonder and beauty of butterflies, insects, spiders, and other many-legged friends! Your little bugaboos will play games, create spook-tacular crafts, and take home lots of loot after they visit our many hand-painted Treat Houses. Families can dance to Monster Jams or spy on amazing owl butterflies, which are only active during dusk and dawn. When tummies rumble, guests will munch on a delicious dinner that will include themed menu items such as creepy pizza fingers, scream cheese, frightful fruit, pumpkin punch, and so much more! Admission into the Butterfly House, activities, refreshments, crafts, treats, and goody bags are included in the event ticket price.

Saturday, October 24

5:30 to 7:30 p.m.

**\$12 members; \$14 nonmembers;
ages 12 months and younger are free**

Supper with Santa (BH)

Before making his big trip around the world, Santa is stopping by the Butterfly House! Don't miss Supper with Santa, where fun family memories are sure to be made. Enjoy a delicious dinner and see how the butterflies get into the holiday spirit by taking night strolls through the 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!

Saturday, December 12

or Sunday, December 13

or Saturday, December 19

or Sunday, December 20

5:30 to 7:30 p.m.

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

Friday Night Flights (BH)

If you can't travel to NOLA for Mardi Gras, then celebrate like a member of the krewes 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 and experience new wines and other libations from local vendors, in the midst of live jazz music. Guests will even get to take home a souvenir tasting glass. Adults 21 and up.

Friday, February 5

5:30 to 7:30 p.m.

**\$20 members; \$25 nonmembers;
\$15 designated driver**

Won't You Be My Galentine? (BH) *NEW*

Calling all ladies! It's that time of year that we celebrate sisters before misters. Grab your best gal pals and head over the Butterfly House. Enjoy a wide variety of wines, refreshments, and desserts.

Explore our one-of-a-kind conservatory with our free-flying butterflies. Guests will even get to take home a souvenir tasting glass. Adults 21 and up.

Friday, February 12

5:30 to 7:30 p.m.

**\$20 members; \$25 nonmembers;
\$15 designated driver**

Eat, Prey, Love (BH) *NEW*

Bring your love bug to the Butterfly House for a Valentine's date worth losing your head over! After an intimate dinner, your evening will get a bit wild as our resident expert gives insight into Mother Nature's love secrets. From floral attraction to insect courtship, nuptial gifts to pollen loads, romance has never been so exotic!

Sunday, February 14

6:30 to 8:30 p.m.

**\$75 members; \$95 nonmembers
Price per person**



Save a species. Help us grow.

When you learn + discover in our classes, you are directly helping the Garden with plant discovery + conservation. All class fees help our team discover new plant species, restore and protect at-risk plants and places, and connect more people with nature and the great outdoors.

Enroll now and help enrich your world, and ours, for generations.



Your support makes projects like these possible.

Top: A student in the Advanced Inquiry Program collects samples for class work on herbarium display boards and DNA testing.

Bottom: Jeannie Raharimampionona holds a rare and vulnerable *Ravena xerophila* in Southern Madagascar.

INDEX BY LOCATION

MISSOURI BOTANICAL GARDEN

An Evergreen Holiday Wreath.....	11	Little Sprouts—Fall	51
A Spa Evening	6	Little Sprouts—Winter	51
Amish Knot Rag Rug.....	13	Low-Maintenance Perennials	27
An Evergreen Holiday Wreath.....	11	Make Your Own DIY Personal Care Products.....	7
Analyzing a Photograph.....	18	Mardi Gras Rules in St. Louis!	22
Andy Goldsworthy and Nature Sculptures.....	55	Mindfulness in the Garden	43
Art in the Garden.....	56	Monarchs and Mosquitos.....	36
Back to Basics Garden Boot Camp.....	26	More Hearty Soups from the Queen's Cuisine	23
Basket Making 101—Ring in the Holiday Basket.....	11	Nature Immersion—Take the Time	40
Basket Making 101—Round Berry Basket	10	Nature Ornaments	11
Beautiful Bamboo.....	53	Needle Felting	12
Behind the Scenes—Tour of the Greenhouse.....	38	No-Sew Braided Rug.....	8
Behind the Scenes—Fall in Love with Bulbs	28	Organic Heirloom Vegetables.....	30
Behind the Scenes—Teahouse Island Photography	17	Outdoor Sketchbook.....	55
Behind the Scenes—The Orchid Greenhouse.....	42	Owls Mating, Nesting, and Owlets	49
Behind the Scenes—Tour of the Japanese Garden.....	39	Paella!	22
Bird-Friendly Garden.....	56	Painting from Nature Workshop.....	14
Birding II.....	46	Peek at a Pond	53
Botanical Card Making and Its History.....	6	Perennial Bed—Remake	34
Bye, Bye Birdies.....	56	Photographing Trees.....	17
Canopy Climb.....	50	Photographing Water Lilies.....	16
Capture Fall in Photographs	17	Photography Boot Camp I.....	16
Capturing the Garden Glow—Basics.....	18	Photography Boot Camp II.....	16
Capturing the Garden Glow—Creativity.....	18	Plants for 4 Season Interest	34
Celebrate Urban Birds.....	55	Plants for Presents.....	53
Cheer for Chocolate.....	53	Preparing for Winter	56
Composting in Small Spaces—		Pruning Shrubs.....	27
Bokashi and Vermicomposting.....	37	Purple Eggplant Reigns!	23
Create a Journal—Long-Stitch Bookbinding	5	Purposeful Color in Your Garden	33
Creating Raised Beds for Organic Vegetables.....	30	Putting Your Garden to Bed	26
Creating Your Edible Food Forest.....	36	Rain Gardens	34
Creative Flower Arranging—Fill Your Vase	4	Raising Monarchs—Tagging and Testing.....	47
Crepes and Galettes Hands-On	24	Recycling 101	35
Crisps and Cobblers	23	Reducing 101.....	35
Death by Chocolate	24	Rescue and Renovate Your Cool-Season Lawn	27
Discovering Kokedama	6	Reusing 101	35
DIY Herb Drying Rack.....	5	Sacred Seeds Medicinal Walking Tour.....	40
DIY Mosaic Stepping Stones.....	6	Seasonal Lunch	23
DIY Rain Barrel Demonstration.....	37	Seed Harvesting for the Home Gardener.....	28
Eco-Friendly Furniture Restoration.....	12	Simple Flower Arranging	4
Egg Carton Collection Journal.....	55	Small Space Gardening	34
Evergreen Holiday Porch Pot.....	26	Soups in 30 Minutes.....	24
Fall into Phenology.....	55	Stitch the Garden in Winter	12
Fall Photography in the English Woodland Garden	16	Strawberries, Blueberries, and More.....	28
Fall Porch Pot.....	26	Terracotta Wind Chimes	9
Foodie Fun and Decorating with Herbs.....	23	Terrariums—Greening Your Cube.....	7
Fragrant Gifts.....	9	The Art of Seeing in Photography.....	17
French Lunch.....	22	The Garden in Watercolor	14
Garden Design—Captivating Combinations.....	34	The Impact of Color in Your Photography.....	18
Garden Ghost Stories	41	The Queen's Cuisine Unofficial	
Garden Yoga.....	44	Harry Potter's Afternoon Tea.....	22
Green Burial—A Better Way to Go	37	This Ain't Your Granny's Lye Soap—	
Growing Annuals from Seed	30	Making Old-Fashioned Soap	
Growing Orchids at Home Part 1.....	29	with Modern Convenience	10
Growing Your Green Thumb for Houseplants	29	Top 10 Natives.....	33
Hackin' Honeysuckle and Other Invasive Plants.....	33	Tropical Trek	56
Handmade Cleaners to Go!.....	6	Under the Garden.....	53
Hands-On Pasta Making.....	25	Watercolor Essentials	14
Historic Trees of the Garden.....	28	Watercolor in Bloom	15
Home Landscape Design	33	Watercolor—Bold and Beautiful	14
Hydroponic Basics.....	30	Watercolor—Doodling and Whimsical Lettering	15
Incorporating Native Landscape Concepts		Weather Watcher.....	56
into Existing Non-Native Gardens.....	32	Weave Your Own Scarf.....	8
Introduction to Batik Wax Resist.....	13	Weave Your Own Table Runner.....	10
Introduction to Bread Baking.....	24	Weaving a One-of-a-Kind Pocket	
John James Audubon and Birds in Winter	55	'Treasure' Necklace	7
Journey to Well-Being.....	44	Wine Bottle Reuse	8
Knit Rag Rugs.....	4	Winter Citrus Boost!.....	25
Leaf Giants.....	53	Winter Garden Walk.....	42
Living Pumpkin Arrangement	7	Wintry Salads.....	25
		Wishing Upon an Origami Star	9

BUTTERFLY HOUSE

Ballet and Butterflies	54
Blue Beetles	52
Blue Morpho Photography	20
Boisterous Butterflies	52
Books and Butterflies	61
Booterfly House	60
BOoterfly House Photography	19
Bug Ball	62
Buggin' it Book	56
Butterfly Chrysalis Photography	19
Butterfly House Owl Prowl	49
Butterfly House Yoga	44
Cocoa and Canvas	57
Curious Cockroaches	52
Eat, Prey, Love	62
Evergreen Holiday Door Swag	10
Fall Porch Pot	26
Fanciful Fairies	57
Fancy Tea	61
Friday Night Flights	62
Gourmet Grubs	59
Holiday Wreath Making	11
Hungry Hermit Crabs	52
Insect Photography	19
Keeper for a Day	56
Live'n Up Your Pasta Night	24
Magical Monarchs	52
Make Your Own Fairy Garden	59
Monarch Butterfly Migration and Tagging	46
Morpho Mardi Gras	61
Munching Millipedes	52
Nature-Inspired Gifts	57
Orchid Photography	20
Paint and Sip at the Butterfly House	7
Photography Fridays	19
Putting Your Butterfly Garden to Bed	33
Rise and Shine with Butterflies: Booterfly House	58
Rise and Shine with Butterflies: Morpho Mardi Gras	58
Rise and Shine with Butterflies: Winter Jewels	58
Rustling Roly Polies	52
Skillful Spiders	52
Spirited Skippers	52
Super Camouflage	54
Super Eating	54
Super Skeletons	54
Super Strength	54
Super Transformation	54
Supper with Santa	62
This Ain't Your Granny's Lye Soap— Making Old-Fashioned Soap with Modern Convenience	10
Tranquil Tarantulas	52
Valentine's Day Flower Arranging	5
Wicked Wings and Wine	61
Winter Jewels: An Enchanted Celebration	60
Won't You Be My Galentine?	62

SHAW NATURE RESERVE

Astrophotography	20
Basics of Birding at Shaw Nature Reserve	47
Canopy Climb	50
Cemetery Tour	45
Cypress Stroll	41
Designed Plant Communities	32
Dropping Seeds	59
Essentrics Dynamic Stretch	43
Evergreen Wreath and Walk	52
Evergreens of Shaw Nature Reserve Walk	42
Fall Foliage Hike	41
Fall Foliage Wagon Ride	41
Fall Prairie Photography	20
Falling Leaves	52
Felted Acorns	12
From Dusk to Dark—Shaw Nature Reserve at Night!	57
Gardening with Environmental Benefits	32
Geocaching	58
Hiking with Rover	50
Historic Trees	45
History of the Bascom House	45
Holiday Wreaths from Natural Materials	11
Incorporating Native Landscape Concepts into Existing Non-Native Gardens	32
Leaves and Seeds Fall Hike	41
Macro and Close-up Nature Photography Workshop	21
Mastering Smartphone Photography, Shooting, and Sharing	21
Morning Bird Walk	46
Morning Prairie Hike	40
Morning River Trail Hike	38
Oak and Hickory Woodland Tour	47
Senses Hike in the Wildflower Garden	20
Senses Walk in the Prairie	52
Senses Walk in Winter	52
Soil—Your Backyard and Beyond	46
Swiss Cheese—The Bedrock of Shaw Nature Reserve	57
The Dirt on Soil	58
Think About Tables Workshop	5
Trees of Shaw Nature Reserve	47
Valentine's Night Hike	42
Vinyasa Flow Yoga	44
Wagon Tour	45
Wednesday Walkers	43
Wetland Mitigation Bank Tour	47
Wetland Walk	38
Winter Bird Walk	49
Winter Tree I.D. for Beginners	49
Winter Tree I.D. Hike	49
Winter Wednesday Walkers	43

OFF-SITE

Bellefontaine Cemetery Tour	45
Charleston Family Farm— Choosing Sustainable Fruits	38
EarthDance Organic Farm— Historic Farm in Ferguson, MO	39
Easy Tree I.D.	27
Technology of Single Stream Recycling	40

CLASS INFORMATION AND POLICIES

PLEASE BE SURE TO CHECK THE LOCATION OF YOUR CLASSES.

Location of Classes:

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

Class Information and Material Lists:

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

Memberships:

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

Wait List:

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

Age Restrictions:

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

Registration End Date:

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

Accessibility

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

Inclement Weather:

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

Dismissal Policy:

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

Recording Classes:

Video recording classes is prohibited.

Participant agrees not to use commercially any video, photography, or reproduction in any form taken at the Garden.

Photo Policy:

Participants grant permission to the Garden and its designees to utilize participant's image, likeness, actions, or statements in any form taken during a visit to the Garden or its family of attractions for the purpose of promoting the Garden and its other locations in perpetuity.

Cancellations/Refunds:

- Due to the fluidity of the situation, class capacity, dates, and times are subject to change. If you are unable to attend due to these changes or should the class get canceled, a full refund will be given.
- Please contact classes@mobot.org or call (314) 577-9506 for cancellations 1 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 1 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.
- 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

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

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

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

(Maps are available online)



Registration Starts

August 3

at 9 a.m.

Sign up online at
mobot.org/classes

Members always receive discounted prices on classes.
Become a member today! Visit mobot.org/membership.



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

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