







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

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

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

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

To discover and share knowledge about plants and their environment in order to preserve and enrich life.

—mission of the Missouri Botanical Garden

Site codes: MBG—Missouri Botanical Garden
SNR—Shaw Nature Reserve
BH—Sophia M. Sachs Butterfly House
CBEC—Commerce Bank Center for Science Education

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Osborn, Jill Setlich, Christine Siebert, Kyle Spradley, and Daniel Yaros.

Top ten reasons you should take a class...







- We have three unique locations: Missouri Botanical Garden in St. Louis, Shaw Nature Reserve in Gray Summit, and Butterfly House in Chesterfield.
- 9 Learning a new skill is good for the brain.
- Being creative just feels good.
- Not many people can say they have climbed to the canopy of a tree at the Garden.
- 6 When taken with friends or family, memories are made.
- 5 You just might make a new friend.
- 4 Makes a unique date night.
- Connecting kids to nature is what we do best! Let us help you.
- 2 Nature is therapy. Who doesn't need it?

And the number one reason you should take a class is...

Mother Nature is all around us. Shouldn't we learn to work with her rather than against her?



ADULT CLASSES

Note: Shaw Nature Reserve pass holders receive member rate for all Reserve classes.

GARDENING AND LANDSCAPING

Become a Great Gardener Series (MBG)

This series of classes is designed for beginners just getting into gardening. Price per class: \$28 members; \$34 nonmembers (**except where noted)

Designing with Perennials

GARDENING AND LANDSCAPING

So you want to start a perennial garden ...now what? This class will help you decide which perennials will grow best in your St. Louis garden. We'll look at color and texture as well as the right plant for the right place. We'll discuss the importance of good soil and what amendments should be used to keep them growing more beautiful each year! Enjoy a walk out to the perennial garden at the Center for Home Gardening.

Thursday, September 11 5 to 7 p.m. Missouri Room Sharon Lloyd

Putting Your Garden to Bed

Fall is a great time to pull out the honey-do list. Learn what 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. Enjoy a walk out into the Garden and see where to start.

Monday, September 15 5 to 7 p.m. Garden Room Sharon Lloyd

Fall Container Gardening

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

Thursday, September 18 6 to 8 p.m. \$44 members; \$53 nonmembers Missouri Room Sharon Lloyd

The Overcrowded Garden

Moving, dividing and transplanting, oh my! Are your plants getting too big for their space? Perhaps they need a new location with more sun or more shade? Come learn how you can make more plants for yourself or to share with some of your neighbors. We will demonstrate the proper way to divide your beauties. If weather permits, we will take a walk out to the Garden to show perfect plants to divide.

Thursday, September 25 5 to 7 p.m. Beaumont Room Sharon Llovd

Gardening for Birds and Butterflies

Would you like to attract more birds and butterflies to your garden? We'll discuss how to create a habitat in your own back yard. Learn about the specific plants they need and why.

Thursday, October 16 7 to 9 p.m. Missouri Room Sharon Lloyd

Low Maintenance Perennials

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

Thursday, October 23 7 to 9 p.m. Missouri Room Sharon Lloyd

Take a Soil Test

Does your soil pass the test? Amanda Klenke will show you step by step how to take a good sample, explain the importance of pH, and teach you to read your test results to avoid common amendment mistakes. This fall your soil will be well on its way to becoming A++.

Saturday, October 25 10 a.m. to noon Center for Home Gardening Classroom Amanda Klenke

Landscaping Your Yard for Four Seasons

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!

Thursday, October 30 7 to 9 p.m. Missouri Room Sharon Lloyd

Winter Container Gardening

Think you can't put anything in your container in the winter? Learn creative ways to jazz up your containers for the holidays. We will be making a container you can take home with you.

Thursday, November 13 7 to 9 p.m. **\$44 members; \$53 nonmembers Missouri Room Sharon Lloyd Native Plant School is a year-round series of indoor/outdoor classes in the Whitmire Wildflower Garden at Shaw Nature Reserve that covers various aspects of native landscaping. Please bring your questions, comments, drawings, and plant specimens. Participation from the participants is encouraged. Native Plant School at Shaw Nature Reserve is underwritten by the Missouri Department of Conservation and Wild Ones Natural Landscapers.

1 to 4 p.m. \$12 members; \$15 nonmembers Carriage House Scott Woodbury

Landscaping with Vines

Native vines can fit in any landscape: small vines for light posts or large vines to cover trees and buildings; vines for hummingbirds, bees, or birds; vines with showy flowers and vines that produce berries. We will also cover pruning, training vines, and how to cover an ugly concrete wall.

Thursday, September 11

Small Flowering Trees and Shrubs

This class will explore trees that fit under power lines and in small gardens, including trees and shrubs that have showy flowers and multiple seasons of interest. We will discuss how to prune branches and rejuvenate an old shrub.

Thursday, October 9

Control and ID of Invasive Plants

Invasive plants are a threat to native ecosystems and landscapes because they compete with native plants for light, nutrients, and moisture. Many natural and landscaped areas have become severely infested with invasive species. Control methods described in this class are designed for homeowners and small land owners who are having problems with bush honeysuckle and several other invasive plants.

Thursday, November 13

Naturescaping Beyond Beauty: The Art and Function of Native Landscaping

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

Thursday, February 12



LANDSCAPING DESIGN AND IDEAS

Japanese Landscape Design (MBG)

This class will introduce participants to Japanese garden design through a brief history of its development. We will look at styles of Japanese gardens, design elements unique to the Japanese garden style, and design components that are important to the creation of a beautiful Japanese style landscape.

Tuesday, September 9 7 to 9 p.m. \$28 members; \$34 nonmembers Garden Room Ben Chu

Home Landscape Design (MBG)

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

6 Wednesdays: September 10, 17, 24; October 1, 8, 15 6:30 to 9 p.m. \$144 members; \$173 nonmembers Botanical Room Randy Mardis

Gardening Under Trees (MBG)



Are you faced with the ever-present challenge to landscape beneath trees in your yard? Join us as we explore solutions to create a garden full of color and texture in shady environments; then take a walking tour through the Garden to see prime examples. Class will finish in the Strassenfest Garden.

Monday, September 15 5 to 7 p.m. \$28 members; \$34 nonmembers Center for Home Gardening Classroom James Wagner

Memorial Gardening (MBG)



LANDSCAPING AND IDEAS

Inspired by Bellefontaine Cemetery and the Victorian era, create a garden in the memory of a loved one. From a simple favorite plant to a quiet sitting garden, you can personalize your memorial garden. We will discuss plant choices for sentiments like courage and generosity, placement of your garden, as a well as maintenance and inspirational ideas to grow.

Tuesday, September 23 7 to 9 p.m. \$28 members; \$34 nonmembers Botanical Room Kyle Cheesborough

See Behind the Scenes: Botanical Bellefontaine Cemetery Tour on page 16

Downsizing your Garden (MBG)

LANDSCAPING AND IDEAS

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

Monday, October 6 7 to 9 p.m. \$28 members; \$34 nonmembers Botanical Room Terry Milne

Garden Design: Striking Color (MBG)

In this fun, idea-inspiring class, learn about great combinations to create visual impact in your garden. With an emphasis on color and texture, selecting plants for your garden will be simplified and the results outstanding!

Tuesday, October 21 7 to 9 p.m. \$28 members; \$34 nonmembers Missouri Room Dana Rizzo



Curb Appeal (MBG)

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

Monday, November 17 7 to 9 p.m. \$28 members; \$34 nonmembers Missouri Room Sharon Lloyd

GARDENING BEST PRACTICES

Don't Kill Your Perennials (MBG)

Stop, are you sure you should do that? In this 2-hour walking tour, June Hutson, Center for Home Gardening supervisor, will highlight what to do this season and what not to do for the most popular perennials. Tips will include pruning, common mistakes, mulching, and getting ready for the next winter. Learn how to take care of perennials from the area's top expert.

Monday, September 8 5 to 7 p.m. \$28 members; \$34 nonmembers Meet at Upper Level, Center for Home Gardening June Hutson

Easy Tree ID for Beginners (MBG)

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

3 Saturdays: September 13, 20, 27
10 a.m. to noon
\$84 members; \$100 nonmembers
Missouri Room
(1st class meets in a classroom; 2nd and 3rd
at the ticket counter)
Mike Walsh

Growing Terrific Trees (MBG)

Trees can be beautiful, long-lived investments to any home with the proper selection and maintenance. Teresa will discuss how to choose the right tree for the right spot, good traits to look for when you're making your purchase, and proper planting and short-term care to develop a strong, healthy tree for years to come. Includes outdoor pruning demonstration if weather allows.

Tuesday, September 16 5 to 7 p.m. \$28 members; \$34 nonmembers Center for Home Gardening Classroom Teresa Pafford

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.

Saturday, September 20 10 a.m. to noon \$28 members; \$34 nonmembers Botanical Room Glennon Kraemer

Pruning with Ben Chu (MBG)

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

Tuesday, September 30 6:30 to 8:30 p.m. \$28 members; \$34 nonmembers Botanical Room Ben Chu

Healing with Native Plants (MBG)

GARDENING BEST PRACTICES

Native Americans and pioneers in this area saw a rich pharmacopeia of medicinal plants among the native plants and used the local flora to treat a wide variety of ailments. This course will be split into two classes: the first class will concentrate on useful native plant species, their identification, historical use, and habit while the second class will be a hands-on workshop on how to process the plants into a take-home product.

2 Tuesdays: September 30 and October 7 5:30 to 7:30 p.m. \$60 members; \$72 nonmembers Center for Home Gardening Classroom William L. Brown Center Staff

Winterizing Your Roses (MBG)

Join Missouri Botanical Garden rosarian David Gunn as he talks about how to prepare your roses for winter: Do Knock-Out Roses need winterizing? What do you do with climbers? Do you cut back in fall or spring? Gardeners want to know! David also discusses the success and lessons learned in the Garden's newly renovated rose beds. Take advantage of this opportunity to pick the rosarian's brain.

Tuesday, October 14 5:30 to 7:30 p.m. \$28 members; \$34 nonmembers Botanical Room David Gunn

Spring Bulbs 101 (MBG)

Ever wonder how the Garden gets its spring bulbs to look so darn good? Learn from bulb expert Sophia which bulbs work best in St. Louis, how and when to plant, and see a demonstration involving soil preparation and different ways to dig—trenching vs. tilling. Sophia will also talk about bulb companion planting and lessons learned from the Garden. And attendees won't go home empty-handed—each person will receive some "MBG approved" bulbs that are sure to get you motivated in your fall garden.

Saturday, November 1 10 a.m. to noon \$38 members; \$44 nonmembers Botanical Room Sophia Warsh

Growing Orchids at Home (MBG)

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

Monday, November 10 7 to 9 p.m. \$28 members; \$34 nonmembers Botanical Room Babs Wagner

Beyond Paperwhites: NEW! Creating a Living Garden with Jason Delaney (MBG)

Paperwhites and amaryllis are classics at the holiday season. Why not shake it up and create a living garden with none other than Missouri Botanical Garden's very own bulb boy, Jason Delaney? Our delightful bulb expert will walk you through all of the steps of this hands-on workshop to make this stunning and sensational addition to your holiday décor!

Tuesday, November 18
7 to 9 p.m.
\$55 members; \$66 nonmembers
Missouri and Botanical Rooms
Jason Delaney

Tantalizing Terrarium Class (MBG)

Winter's around the corner and you want a little garden to liven up your home. Learn step by step how to create a terrarium, and make your own to take home. Please bring a small clear glass container (approx. one gallon) with a lid. Soil and plants provided.

Tuesday, December 2 1 to 3 p.m. \$38 members; \$46 nonmembers Missouri Room Sharon Lloyd

Explore the Magic of Witch Hazels (MBG)

You won't find many shrubs in Missouri that flower when it's snowing, but that's only one of the beautiful aspects of witch hazel, or Hamamelis. There are many native varieties and unusual species in the Garden's extensive collection. Learn about the history and medicinal uses of this unique shrub as horticulturist Sara Murphy gives you some background information in the classroom, then takes you into the Garden so you can see them in their full glory.

Saturday, February 28
10 to 11:30 a.m.
\$21 members; \$24 nonmembers
Missouri Room and Daylily Garden
Sara Murphy

EDIBLE GARDENING

Strawberries, Blueberries, and Raspberries, Really! (MBG)

Grow and harvest sweet strawberries, tasty blueberries, and succulent raspberries in your own back yard. 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, and she'll help you avoid common beginner mistakes.

Monday, September 22 7 to 9 p.m. \$28 members; \$33 nonmembers

Botanical Room Elizabeth Wahle

EDIBLE GARDENING

Fall Vegetables: Harvest and Plan (MBG)

The season is not over yet! There is still so much to do in your vegetable garden: harvest up to and beyond the frost date, planning for the spring, and soil preparation including composting and bed preparation. You will take a guided tour of the Kemper vegetable garden and learn what works and what doesn't.

Monday, September 29 6 to 8 p.m. \$28 members; \$33 nonmembers Center for Home Gardening Classroom Cheryl Rafert

Growing Your Own Mushrooms (MBG)

Do you love oyster mushrooms and want to grow them indoors? Gibron Burchett will teach the step-bystep process to make this dream a reality and turn straw into gorgeous mushrooms. Learn about inoculation, growing mediums, and creating an inexpensive clean "room" to get started. You will have your own starter kit by the end of class.

Tuesday, October 21 6 to 8 p.m. \$44 members; \$53 nonmembers Center for Home Gardening Classroom Gibron Jones-Burchett

Organic Heirloom Vegetables (MBG)

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

Saturday, February 21 10 a.m. to noon \$32 members; \$38 nonmembers Botanical Room Chervl Rafert

GUIDED WALKS AND TOURS

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. Registration encouraged. Walk-ins welcome.

\$3 members; \$5 nonmembers Check-in at SNR Visitor Center Shaw Nature Reserve Staff (**except where noted)

Wilderness Wagon Tour

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

Tuesday, September 9 10 a.m. to noon

History of the Land

Join local historian Larry Melton for a presentation on how the land that Shaw Nature Reserve exists on has changed over the years. From Native Americans to the North Family--learn all about who has lived on this land.

Tuesday, September 9 1 to 3 p.m. **Larry Melton

History Hike

There are several cisterns on property that are reminders of those who lived here in the past. We will hike to some of these places, see pictures of what used to be there, and hear stories about our history.

Tuesday, October 7 10 a.m. to noon

Wine Walks (MBG)

Grab a friend and enjoy an evening stroll in the Garden as you learn about and enjoy different seasonal wines to complement your tour.

5 to 6:30 p.m. \$25 members; \$30 nonmembers Meet at the Ridgway Visitor Center Ticket Counter

Fall Flowers

Our expert horticulturist will take you on a 1-hour walking tour through the gorgeous flower displays next to the Linnean House and intensive displays.

Thursday, September 11

Thursday, September 11 Sara Murphy and Thomas VanSchaik

Japanese Garden

Our expert horticulturist will take you on a 1-hour walking tour through the Japanese Garden in its fall splendor.

Thursday, October 9
Greg Cadice and Thomas VanSchaik

Wetland Evening Walk (SNR)

GUIDED

WALKS AND TOURS

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

Friday, September 12 6:30 to 9 p.m. \$22 members; \$26 nonmembers Meet at the SNR Visitor Center Dr. James Trager

Hiking With Rover (SNR)

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

Sunday, September 14 5:30 to 7:30 p.m. \$7 members; \$9 nonmembers Adlyne Freund Center Shaw Nature Reserve Staff



Behind the Scenes: Japanese Garden (MBG)

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

Monday, September 15 or Wednesday, September 17 5 to 7 p.m. \$28 members; \$34 nonmembers Meet at the Ridgway Visitor Center Ticket Counter Greg Cadice

Food of the Bible (MBG)

The Bible begins its culinary journey in Genesis stating, "Let the earth sprout vegetation." Agriculture began in the Promised Land with the Seven Species, from figs to fruit of the vine. Study the importance of these and other plants during biblical times and their transformation to modern day culture. Enjoy samples of current versions of biblical food and observe the plants in the Biblical Garden of the Temperate House.

Thursday, September 18 5 to 7 p.m. \$33 members; \$39 nonmembers Botanical Room Jeanne Carbone

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, a curator of ethnobotany at the Missouri Botanical Garden, will explain the rich cultural history of Native Americans in the Missouri region, their traditions of medicinal plant use, and the legacy that these cultures have left on medicine today.

Saturday, September 20 10 to 11:30 a.m. \$21 members; \$25 nonmembers Meet at Ridgway Visitor Center Ticket Counter Wendy Applequist



Mini Hiking with Rover (SNR)

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

Sunday, September 21 5:30 to 6:30 p.m. \$4 members; \$5 nonmembers Adlyne Freund Center Shaw Nature Reserve Staff

Magnificent Trees of the Garden (MBG)

GUIDED

WALKS

AND TOURS

In a relaxing early-evening walk, the class will visit more than 30 of the great specimen trees of the Garden, including several trees believed to have been planted during the life of Henry Shaw. Interesting information will be provided on each tree, with emphasis on native range, growing habits, outstanding ornamental features, historical anecdotes, and assets and liabilities regarding growth in the St. Louis area. A true delight for the tree lover!

Wednesday, October 8
4 to 6 p.m.
\$28 members; \$34 nonmembers
Meet at the Ridgway Visitor Center
Ticket Counter
Alan Stentz

What's Hamlet Doing in Shaw's Garden? (MBG)

Henry Shaw knew his Shakespeare and possessed a rare First Folio published in 1623. Shakespeare knew his plants and mentions them more than any other Elizabethan playwright. Hamlet is a wonderful example of plants and pop culture in the Elizabethan Age. Join Dr. Diane Sol for a lecture and walk as you explore the plants in Hamlet and discover the Bard's fascination with gardens.

Saturday, October 11 (Rain date: 10/25) 1 to 3 p.m.

\$28 members; \$34 nonmembers Center for Home Gardening Classroom Diane Sol

Wine and Cheese Night Hike (SNR)



Climb aboard our Wilderness Wagon for a short trip to our starting point. We will take a leisurely 1.5-mile walk along woodland and prairie trails, learning about the nighttime environment along the way. During the walk we will make a brief stop to enjoy a glass of wine (or non-alcoholic beverage) and some crackers and cheese as we enjoy the night sounds of the prairie. Dress for the weather and wear appropriate walking shoes. This walk fills quickly—prompt registration is suggested.

Friday, October 17
7 to 9:30 p.m.
\$26 members; \$31 nonmembers
Meet at the Shaw Nature Reserve
Visitor Center
SNR Staff and volunteer

Behind the Scenes: Botanical Bellefontaine Cemetery (Off-site)

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

Saturday, October 18
10 a.m. to noon
\$40 members; \$48 nonmembers
Meet at Bellefontaine Cemetery Entrance
4947 West Florissant Ave,
St. Louis, MO 63115
Kyle Cheesborough



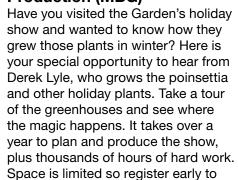
Garden Ghost Tour (MBG)



Come experience the Garden at dusk when the spirits are alive. Walk through Tower Grove House and a special opening of the Museum Building to hear tales of history and unexplained interactions on Garden grounds with figures from the past. Bring a flashlight to add to the atmosphere of this first-time offering. Currently, the historic Tower Grove House and Museum Building are not wheelchair accessible.

Thursday, October 23 or Tuesday, October 28 6 to 8 p.m. \$28 members; \$34 nonmembers Meet at the Ridgway Visitor Center Ticket Counter Kim Petzing

Behind the Scenes: Holiday Show Production (MBG)



reserve your spot.
Saturday, November 8
10 to 11:30 a.m.
\$26 members; \$31 nonmembers
Meet at the Ridgway Visitor Center
Ticket Counter
Derek Lyle

Full Moon Night Hike for Adults (SNR)

Join us for this 2-hour stroll through evening and into the early night. The sun will have set before the hike starts, but our night vision will allow us to enjoy the sights, sounds, and smells of a winter evening at Shaw Nature Reserve. Participants will learn a bit about tallgrass prairies, woodlands, and glades as the hike passes through these ecosystems. All else excluded, the sight of the tallgrass prairie in the moonlight makes the journey to the Reserve worth the time spent. This hike will cover roughly 2 miles over uneven ground. Registration required.

Tuesday, February, 3
7 to 9 p.m.
\$7 members; \$9 nonmembers
Meet at the Shaw Nature Reserve
Visitor Center
Shaw Nature Reserve Staff

Tour the Orchid Show with **Babs Wagner (MBG)**

Don't miss this opportunity to view the orchids in the show with horticulturist Babs Wagner, who cares for the Garden's orchid collection. Get insight into how the orchids are grown and which orchids are new, and learn helpful tips on how to grow your own orchids. Sign up early! Space is very limited.

Thursday, February 12 5 to 6:30 p.m.

\$28 members; \$34 nonmembers

Botanical Room Babs Wagner

GUIDED

WALKS AND TOURS





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 cool, crisp, but invigorating 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.

Thursday, February 12 Saturday, February 14 7 to 10 p.m. \$24 members; \$29 nonmembers Dana Brown Overnight Center

Shaw Nature Reserve Staff



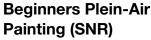
ARTS AND CRAFTS

PAINTING AND DRAWING

Exploring Monet's Love-Oil Painting (MBG)

Oil painting is a beautiful and forgiving medium. Whether you are an experienced painter or are just getting started, this class is for you. We will study value, hue, and composition working with florals, vegetables, or blooming plants in the studio. For a few classes, weather permitting, we will go outdoors to paint. Tito Gay will begin each class with a demonstration and help you through your individual and group critiques. A supply list will be included with your registration.

8 Thursdays: September 4, 11, 18, 25; October 16, 23, 30; November 6; No class on October 2 or 9 9:30 a.m. to noon \$180 members; \$216 nonmembers Beaumont Room Tito Gay



Create in the natural beauty of Shaw Nature Reserve by plein-air painting. Plein-air, a French word, literally translates as "open air," and is defined as painting done outside, in the open air. A supply list will be included with your registration. Paint will be provided.

Saturday, September 6 Saturday, September 27 9 a.m. to noon \$30 members: \$36 nonmembers Carriage House Jan Trager



The Garden in Watercolor (MBG)

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. Beginning and advanced students are welcome.

8 Tuesdays: September 9, 16, 23, 30; October 7, 14, 21, 28 9:30 a.m. to noon \$180 members: \$216 nonmembers Missouri Room Mary Dee Schmidt

Sketching with Color in the Garden (MBG)

If you're just beginning to explore a new medium, you'll discover that working with pastel is both fun and satisfying. As easy to work with as a pencil or pen, pastels can be used to create a wide variety of impressions, softly blended images to layers color. Capturing fall colors in the Garden can be exciting and fun! Class will be held outside in the Garden when weather permits.

8 Wednesdays: September 10, 17, 24; October 1, 8, 15, 22, 29 9:30 a.m. to noon \$192 members; \$230 nonmembers Center for Home Gardening Classroom Jacyln Lawson

The Creative Watercolorist (MBG)

Find your artistic muse at the Garden. It is a source of inspiration and innovation in art. Through a series of creative challenges artists will go beyond traditional watercolor to stimulate creativity and the imagination. Artists will work at their own level on the subject matter of their choice. Group and individual instruction will be given. All skill levels welcome, but artists should have basic watercolor skills.

8 Fridays: September 12, 19, 26; October 3, 10, 17, 24, 31 9:30 a.m. to noon \$180 members; \$216 nonmembers Commerce Bank Center for Science Education 125 Judy Seyfert



Watercolor: Bold and Beautiful (MBG)

Using the dynamic, luminous characteristics of watercolor, students will learn to use bold color, shape, and line to make their own unique paintings. A variety of subjects will be covered including abstracts and landscapes. Students are given group and individual instruction encouraging creativity while enhancing painting and compositional skills. Although basic skills are taught and reviewed in the first session, all levels are welcome.

6 Mondays: September 15, 22, 29; October 6, 13, 20 6:30 to 9 p.m. \$135 members; \$162 nonmembers Missouri Room Judy Seyfert

Watercolor: Art for the Holidays (MBG)

Ralph Waldo Emerson once said "The greatest gift is a portion of thyself." What better gift to give than your own personal piece of art? Artists will create small watercolors to be given framed as gifts or used as greeting cards. From landscapes to flowers to abstracts, you will paint dozens of small paintings that will delight you and your friends. Artists of all levels will enjoy the creative process in making these wonderfully unique paintings.

5 Saturdays: October 25; November 1, 8, 15, 22 9:30 a.m. to noon \$114 members; \$137 nonmembers Garden Room Judy Seyfert

Painting Orchids in Pastel (BH)

Pastels are a fabulous way to capture the beauty of magnificent orchids on paper. This 2-day class will give participants an opportunity to explore pastel techniques for creating paintings of orchids. We will have the opportunity to view orchids in the Tropical Conservatory, then paint from live plants and photographs in the classroom. Techniques will include dry pastel as well as the use of water and brushes to achieve varying effects. Students should have some previous knowledge of pastels. A materials list will be provided upon registration.

2 Mondays: November 3 and 10 10 a.m. to noon \$48 members; \$60 nonmembers Lopata Learning Lab Judie Hansen

All Mixed Up-Winter Drawing (MBG)

Warm up this winter with a fun look at all types of drawing media. Spice up your drawing using different techniques with graphite, colored pencil, pastel, ink, charcoal, and more. Jacyln will demonstrate several exercises using still lifes and plants for inspiration, and encourages exploring on your own with photographs. Don't let your art hibernate this winter.

6 Wednesdays: January 7, 14, 21, 28; February 4, 11 (Snow dates February 18, 25) 10 to 12:30 p.m. \$135 members; \$162 nonmembers Beaumont Room Jacyln Lawson

Watercolor Rescue: Anything Goes (MBG)

Lost interest and feeling uninspired about your art? Are you in an artistic slump? Take a journey and make peace with your art and paintings. This is a unique class for water media artists to engage in a little "art therapy" to jump start your creativity. It is also a time to bring in your problem paintings and together we will try to pass the hurdles to fix them. This class is for artists of all skill levels who have some watercolor experience.

(Snow Dates February 6 and 13) (Snow Dates February 6 and 13) 10 a.m. to 1 p.m. \$124 members; \$146 nonmembers Commerce Bank Center for Science Education Room 125 Judy Seyfert

PHOTOGRAPHY

Butterfly House Photography (BH)

Get rare access to the Butterfly House to take photos with professional assistance using a tripod. This class will offer the special privilege of taking photographs on a day the Butterfly House is closed to the public. Learn professional tips to capture these gorgeous animals. Participants should have a basic understanding of their camera's features.

Monday, September 8 or

Monday, September 15

or

Monday, February 9

or

Monday, February 16 9:30 a.m. to noon

\$38 members; \$46 nonmembers

Meet at entry of Butterfly House in Faust Park Scott Avetta

Simplifying your Camera (MBG)

Tired of going through extensive menus and manuals and not understanding where to start? 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. Throughout this multi-session, hands-on course we will discuss aperture, shutter speed, ISO settings, white balance, and base equipment. Participants should bring a camera and manual to the classes.

3 Tuesdays: September 9, 16, 23

9:30 a.m. to noon

Center for Home Gardening Classroom

or

3 Wednesdays: September 10, 17, 24

6:30 to 9 p.m. Missouri Room

\$105 members; \$126 nonmembers

Scott Avetta

Photography: Fall Blooms—Roses (MBG)

Get special access to early morning light and limited crowds to photograph the roses in September bloom. We will discuss how to get better botanical images using wide angle to close ups. You will learn tips on field photography, subject selection, and how light plays a significant role in your photograph.

Monday, September 22 8 to 11:30 a.m.

\$52 members; \$62 nonmembers

Missouri Room Scott Avetta

Behind the Scenes: Teahouse Island Photography (MBG)

Get rare access to this special non-public space. We will spend time discussing and photographing *Nakajima*, or Teahouse Island, and its limitless subjects. 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!

Monday, September 29 or Monday, October 13

8 to 11:30 a.m.

\$52 members; \$62 nonmembers

Missouri Room

Scott Avetta



Photographing the Garden (MBG)

Images are everywhere but how do you make your photography stand out? Throughout this multi-session, hands-on course we will increase your understanding of composition, lighting, and exposure compensation and then apply them in the field. Participants should have a basic knowledge of the camera and the key functions. To learn basic camera knowledge, consider taking Simplifying your Camera on page 22.

3 Tuesdays: September 30; October 7, 14 9:30 a.m. to 12:30 p.m.

or

3 Wednesdays: October 1, 8, 15

5:30 to 8 p.m.

\$105 members; \$126 nonmembers Center for Home Gardening (Tuesdays) Missouri Room (Wednesdays)

Scott Avetta

Behind the Scenes: Owls and Orchids Photography (BH)

This class will offer the special privilege of taking photographs during October Owls and Orchids at a time when the Butterfly House is closed to the public. More than 1,000 Owl butterflies fill our Conservatory, and we also offer more than 200 blooming orchids in natural light and a natural setting. Get rare access to the Butterfly House to take photos with professional assistance using a tripod. Participants should have a basic understanding of their camera's features.

Monday, October 6

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Monday, October 20 9:30 a.m. to noon

9:30 a.m. to noon

\$40 members; \$50 nonmembers Meet at entry of Butterfly House in Faust Park

Scott Avetta

Improving your Photographic Vision (MBG)

Take your photography to the next level. Learn more about how you see and why you may miss important elements within the scene. We will discuss working the subject and how making small changes can lead to a greater impact. The importance of themes will be discussed and some suggested projects given. With this class, you will improve your photography and fine tune your vision.

3 Wednesdays: November 5, 12, 19 7 to 9 p.m.

\$120 members; \$144 nonmembers Photo Shoot: Sunday, November 9:

7 to 11 a.m. Botanical Room

Scott Avetta

Behind the Scenes: Orchid Show Photography (MBG)

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

Tuesday, February 17

Or

Wednesday, February 25

5:30 to 8 p.m.

\$50 members; \$60 nonmembers

Botanical Room

Scott Avetta



CALLING ALL PHOTOGRAPHERS! SPECIAL OPPORTUNITY!

Capturing the Garden Glow (MBG)

Influenced by the Garden's global reach, Garden Glow will celebrate the holiday season with the colors of the world in brilliant light and interactive fun. With tips and tricks from your professional photography instructor, you will take wonderful photos of Garden filled with light. Class fees include admission to the event as well as classroom instruction and outdoor photo shoot. The use of a tripod is highly recommended.

Tuesday, December 2 or Monday, December 8 4:30 to 6:30 p.m. \$45 members; \$54 nonmembers Meet at Ridgway Visitor Center Ticket Counter Scott Avetta

Photographer Night: Garden Glow (MBG)

Join us for an exclusive self-guided photographer's night at the Garden Glow where you have the only opportunity to use a tripod during this amazing seasonal event. With fewer crowds, capture the Garden in full twinkling color and practice your skills. Please review the accompanying photo guidelines.

Tuesday, December 2 or Monday, December 8 6 to 8 p.m. \$20 members; \$24 nonmembers Meet at Ridgway Visitor Center Ticket Counter MBG Education staff



SHAW PHOTOGRAPHY SERIES (SNR)

Searching for Subjects

For all levels. When searching for plant and animal subjects to photograph, it is often helpful to know a little bit about them. Where can they be found? What time of day are they most active? Do they bloom during the day or into the evening? Can you anticipate their behavior to frame and compose your photographs? Join the Reserve's naturalist Dr. James Trager on this 1- to 2-mile walk as you seek out the wonders of Shaw Nature Reserve. Participants must have a working knowledge of their camera as the instruction will be on the "what" and "why" of the subject and not on the "how to" of taking the photograph.

Saturday, September, 13 8 to 11 a.m. \$18 members; \$20 nonmembers Meet at the Shaw Nature Reserve Visitor Center Dr. James Trager

The Photographer's Eye: Finding Your Personal Vision

For all levels. Must have working knowledge of photography basics and be comfortable with your camera, or struggling to find a personal style but making progress. If you are a beginner who has a vision that is screaming to get out, then by all means, join us. Do you make photographs that are good as postcards but find yourself wanting

something more? Do you wonder what your purpose is as a photographer? How to get the vision you have in your imagination onto the wall? How do you develop a personal style and make your work unique? This full-day workshop explores photography as an expressive art form and covers how to translate the vision in your imagination onto the canvas of the photograph. What makes a photograph yours and not someone else's? We will study great photographs in the morning, taking a close look at distinguished contemporary art photographers. We'll discuss what makes photographic style and challenge you to take the next step with your camera. We'll reduce the highly technical to basic concepts. We'll do a couple of technical clinics. We'll explore the forms: cityscape, landscape, abstraction, still life, people, interior, and vernacular. After lunch, we'll make photographs and critique them as a group. There will be time for dialogue on each participant's vision and work, emerging or hopeful. When you go home, you'll have a better sense of who you are as a photographer and what your photographs are about. Please bring six (6) photographs (preferably digital but you may bring prints) for the workshop to study. Lunch will be provided.

Saturday, November 8 9:30 a.m. to 4:30 p.m. \$140 members; \$168 nonmembers Adlyne Freund Center Robert George

Fall Landscapes-Behind the Scenes

Participants should have a basic working knowledge of their camera. Join photographer Scott Avetta with back road access to the fall beauty of Shaw Nature Reserve. The small group will hit the areas with greatest potential for strong fall landscapes. At each location Scott will provide tips on the scene, lighting, and landscape. You will then begin photographing with one-on-one assistance from Scott. The use of a tripod, cable release or remote, and polarizer is helpful. Dress for being outdoors and wear comfortable shoes for hiking.

Saturday, October 18 or Sunday, October 19 7 to 11 a.m. \$55 members; \$66 nonmembers Meet at the Shaw Nature Reserve Visitor Center Scott Avetta

Creating Your Own Light: Flash and Flashlights for Plant Photography

For intermediate to advanced photographers. Join award-winning nature photographer Greg Basco as he shares his techniques for creating your own light using flash and flashlights. The morning will start with a presentation of Greg's work followed by photographing different set-ups requiring a variety of lighting techniques. The afternoon will be spent putting into practice what was learned in the morning. Photographers

should have a good understanding of basic exposure and natural light and concepts such as aperture, ISO, and shutter speed. Equipment needed for the workshop: DSLR camera or advanced point-and-shoot, a hot-shoe mounted flash, a flash cord or transmitter that gets the flash off-camera, and a lens or lenses that cover wide angle through medium telephoto. Lunch will be provided.

Sunday, December 7 9 a.m. to 4 p.m. \$125 members; \$150 nonmembers Dana Brown Overnight Center Greg Basco

Shades of Grey: The Subtle Art of Black and White Photography

Join photographer Jeff Hirsch for this all-day workshop for photographers who want to advance their black and white shooting and processing skills. We will start with a brief look at the history of black and white photography as a medium before moving on to practical lessons about how to get the most out of your shooting and processing of monochromatic photos. Equipment needed for the workshop: camera and, if possible, a laptop computer for post-processing of images using the various black and white conversion techniques that will be taught during the workshop. Lunch will be provided.

Saturday, January 10 9 a.m. to 4 p.m. \$80 members; \$96 nonmembers Carriage House Jeff Hirsch



Making Your Travel Images Not Just Better But Moving Towards Greatness

For all levels. Must have working knowledge of camera. How do you capture the essence of the places you visit? How do you fill the frame? Join St. Louis-based photographer and world voyager Stewart Halperin for this full-day workshop focusing on making better images while you travel. He will share his knowledge from 45 years of moving around the world with his cameras, visiting 6 continents and 95 countries. During this workshop participants will discover how to move into the scene and become more intimate and familiar with their subject. A critique of participants' pre-submitted work will take place as well as a detailed

discussion of Stewart's images and those of other well-known photographers. This workshop is open to those with a good working knowledge of their camera and a passion for moving forward in their vision of better and more meaningful compositions, especially while traveling. A pre-submission of 20-30 images (on a disk) will be requested for the workshop. Lunch will be provided.

Saturday, February 28 9 a.m. to 3 p.m. \$140 members; \$168 nonmembers Adlyne Freund Center Stewart Halperin

BOTANICAL CRAFTS

Making a String Scarf with T-Yarn (MBG)

ARTS AND CRAFTS

T-Yarn-or "yarn" made from old t-shirts-is a creative medium for countless fun and green projects. The possibilities are endless! Join T-Yarn expert Suzanne Hirth and make a String Scarf using T-Yarn—no knitting or crochet needles necessary. Using her own pattern, Suzanne will show students how to make a scarf in about an hour. Just think: a project you can actually finish!

Saturday, September 13 10 a.m. to noon \$33 members; \$39 nonmembers Center for Home Gardening Classroom Suzanne Hirth

Hydrangea Swag (MBG)

Always a favorite, hydrangeas are wonderful to decorate your house year-round! In this class you'll learn about drying hydrangeas at peak times and how to use Gardenharvested hydrangeas in a lovely swag to take home. A tool list will be provided with your registration. All other materials will be provided.

Thursday, September 25 7 to 9 p.m. \$43 members; \$52 nonmembers **Botanical Room** Amanda Klenke

Gourd Crafting (SNR)

Create a wonderful bowl, vase, birdhouse, or conversation piece to decorate your home. This is the time of season to harvest gourds, and each will have its own unique shape and size. You can use a blade to carve designs or ink to draw your design. All materials are provided.

Friday, October 3 9:30 to 11:30 a.m. Saturday, October, 4 4 to 6 p.m. \$20 members; \$24 nonmembers Carriage House Shaw Nature Reserve Staff

Creating Paper Notebook (MBG)



Savor your garden all year long by making a beautiful seed-saving notebook! Community artist Theresa Hitchcock will lead this two-part class. In the first session, learn how to make your own seed paper. In the second session, learn multiple book-binding techniques and walk away with a beautiful journal, perfect as a gift or to keep for yourself!

2 Wednesdays: October 8 and 15 7 to 9 p.m. \$58 members; \$70 nonmembers Missouri Room Theresa Hitchcock



Nature-Inspired Spa Day (MBG)



refreshments and create your own herbal spa products, including some to keep the relaxation going at home. You might even find a gift idea or two for the upcoming holiday season. A great excuse to spend a few hours with a friend, and you're guaranteed to feel refreshed afterward!

Saturday, October 18 10 a.m. to noon \$40 members: \$48 nonmembers Center for Home Gardening Classroom Webster Groves Herb Society

Creating a Fiber Birdhouse (MBG)



Celebrate autumn and nature in your neighborhood by creating a birdhouse for little friends to come visit your garden! Artist Suzanne Hirth will teach basic techniques for using a variety of fibers to crochet a beautiful home for birds to nest in all winter long.

Monday, October 20 6 to 8 p.m. \$28 members: \$34 nonmembers Garden Room Suzanne Hirth

Day of the Dead: **Botanical History** and Crafting (MBG)



In honor of the day of dead, turn recycled paper into a creative paper mache skull. Learn the history of the day as well as botanical symbols in this hands-on class that celebrates Latin heritage and plants. All supplies provided.

Saturday, November 1 10 a.m. to noon \$33 members; \$39 nonmembers Center for Home Gardening Classroom Kate Freeman



Basketmaking: Bread Stick Basket (MBG)

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

Saturday, November 1 9:30 a.m. to 3:30 p.m. \$49 members: \$59 nonmembers Garden Room Stephanie Arnold

Celebrate the Maker Movement!



Making things creates connections – to materials, ideas, people, and the world around us. Bring your friends to the Missouri Botanical Garden for this action-packed day full of opportunities to create beautiful objects. Whether you'd like to create something special to give, or to enjoy the experience of making something for yourself, we're offering classes all day to satisfy all your gift-giving needs! Take time at lunch to interact with various organizations that can inspire you to make and create items for your home or others. Be prepared to get inspired while getting your hands dirty as you celebrate the maker movement at the Missouri Botanical Garden! Preregistration required.

Saturday, November 8 10 a.m. to 4:30 p.m.

Fairy and Gnome Miniature Gardens (MBG)

Where did the fairy garden first come from? Let your imagination be your guide as you create a magical miniature garden of you own. All necessary materials are included to create a 12" landscape.

10 a.m. to noon \$48 members; \$58 nonmembers Beaumont Room Sharon Lloyd

Gifts from the Kitchen (MBG)



Holiday parties, gift exchanges, hostess gifts—it's the season of giving (and receiving), and what better way to show someone you care than by making a gift yourself? In this new class, Diana Smith will show us how to make peppermint buttercrunch, hazelnut and chocolate spread, summer jams from frozen fruit, and buttery hazelnut and fig biscotti. Get a head-start on those gifts!

10 a.m. to noon \$37 members; \$43 nonmembers Center for Home Gardening Classroom Diana Smith



Green Gift Wrapping (MBG)



Do you need some new, fun holiday wrapping ideas? Let's go green with nature-inspired and upcycled wrapping ideas. From pressed leaf cards to creative uses for last year's holiday cards, Kate will inspire you to think outside the box with holiday gift wrapping. After demonstrating her many ideas, you will have a chance to create a special item to take home.

10 a.m. to noon \$33 members; \$39 nonmembers Botanical Room Kate Freeman



Needle Felting 3-D Nature Ornaments (MBG)



Needle felting is a simple, creative technique where soft strands of colorful wool roving are applied to a base material with a special needle. Felting can be used to embellish just about anything or create 3-D pieces of holiday ornaments, such as holly leaves and red berries. Learn this fun craft from needle artist Suzanne Hirth. The pattern and a needle felting kit will be provided.

1:30 to 4:30 p.m. \$45 members; \$54 nonmembers Missouri Room Suzanne Hirth

Natural Arrangements: Twigs and Pods (MBG)



Create your own natural accent piece using a unique variety of dried flowers, native vines, weeds, seed pods, and twigs! Amanda will demonstrate techniques and offer tips to help you design an attractive natural arrangement for your table, buffet, or shelf. Bring something special to incorporate into your arrangement; otherwise, all tools and materials will be provided.

1:30 to 3:30 p.m. \$53 members; \$64 nonmembers Beaumont Room Amanda Klenke

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 handbuilding techniques. We will provide all materials. No clay experience needed. Fired and stained pieces will be ready for pick up at the Center for Home Gardening after November 24.

1:30 to 3:30 p.m. \$38 members; \$46 nonmembers Botanical Room Mary Henderson



Herbal Gift Basket (MBG)

ARTS AND CRAFTS

Join members of the Webster Groves Herb Society as they share their passion for herbs. Discover how to use herbs to make a variety of delightful crafts and tasty herbal holiday culinary treats that you can give as gifts in a basket.

Saturday, November 15 10 a.m. to noon \$40 members; \$48 nonmembers Center for Home Gardening Classroom Webster Groves Herb Society

Needlepoint Landscapes with Scrap Fabric

Put a spin on the classic art of needlepoint in this sustainable craft class! In this class Suzanne will instruct you on the basics of needlepoint, and you'll learn to use scrap fabric and alternative fibers to create a beautiful landscape. Walk away with a perfect gift for the holiday season!

Monday, November 17 6 to 8 p.m. \$33 members; \$39 nonmembers Botanical Room Suzanne Hirth

Butterfly House Wreath Making

Create a beautiful wreath of natural materials and adorn it with high-quality artificial butterflies for a unique holiday decoration. You will learn design techniques and how to apply them to wreath making. Bring pruning shears and garden gloves. All other materials will be provided.

Tuesday, November 18 6:30 to 8 p.m. \$40 members; \$48 nonmembers Lopata Learning Lab Butterfly House in Faust Park Angela Reitzell

BEAD-iful Gift Making NEW Workshop

Add some extra pizzazz to this holiday gift-giving season! Join us as we make dragonfly charms at the Butterfly House. Your set of dragonfly charms can be used to make a variety of gifts including necklaces, wine glass tags, or cell phone trinkets.

Saturday, November 22 9:30 to 11 a.m. \$26 members; \$31 nonmembers Lopata Learning Lab Butterfly House in Faust Park Angela Reitzell

Basketmaking: Garden Patch Basket (MBG)

Take the garden path home with this square-to-round basket featuring an 8"x8" open weave base and 9" woven sides. Several fun elements are incorporated including a wire and wood handle, a 3" ash strip, and a spot of green on the rim. A take-home kit will be handed out for the added wood buttons and fabric embellishments. All weaving materials supplied. Some hand strength needed. A tool list of household materials needed will be included with registration.

Saturday, November 22 9:30 a.m. to 3:30 p.m. \$68 members; \$80 nonmembers Beaumont Room Stephanie Arnold

Holiday Wreaths from Natural Materials (SNR)

Enjoy the fireside as you make a beautiful holiday wreath of fresh greens and other natural materials to take home. You will learn some design techniques and how to apply them to wreath making. All materials provided. Bring pruning shears and garden gloves.

Wednesday, December 3 or Thursday, December 4 6:30 to 9 p.m. \$40 members; \$48 nonmembers Adlyne Freund Center Shaw Nature Reserve Staff

Creating a Gift Basket (MBG)



Why not wrap your holiday presents in a basket that can be used again and again? Join Suzanne Hirth to create a gift basket out of T-Yarn—or "yarn" made from old t-shirts—using basic knitting and crochet techniques. Once you learn how to make this basket, you can make them for any holiday!

Saturday, December 6 10 a.m. to noon \$33 members; \$39 nonmembers Garden Room Suzanne Hirth

Seeds and Plants as Gifts (MBG)

Give a meaningful gift from your garden. Make your own holiday gifts with seeds and herbs collected from the garden. We will make three unique gifts to take with you for gift giving.

Tuesday, December 9 10 a.m. to noon \$38 members; \$46 nonmembers Missouri Room Sharon Lloyd

A "Greener" Holiday Wreath (MBG)

Take a new look at the classic holiday wreath and make it greener and more local. Create a beautiful 20" holiday wreath with a base of evergreens gathered from Shaw Nature Reserve with natural accents collected from the Garden and other local sources. All materials will be provided. No experience necessary but some hand strength required. Please bring pruning shears, gloves, and any accents you would like to add.

Friday, December 5 or Saturday, December 13 10 a.m. to noon \$45 members; \$54 nonmembers Beaumont Room Tammy Palmier

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ARTS AND CRAFTS

Candle Making (SNR)

NEW!

Create your own candle to take home. The design is up to you. We will have a few examples to help give you ideas. The candles will be dipped over an open fire, and we will provide natural materials to use as decoration.

Saturday, December 13 9:30 to 11:30 a.m. or 1 to 3 p.m. \$20 members; \$24 nonmembers Adlyne Freund Center Shaw Nature Reserve Staff



Creating a Pollinator Habitat: Insect Hotels (MBG)

As urban sprawl continues, pollinator habitats can help the bird and beneficial insect populations! Learn to use readily available found objects to create a beautiful insect hotel in your garden. Theresa will teach you the best techniques to work with different materials to build a unique garden sculpture that doubles as a pollinator home!

Saturday, January 17 (snow date Saturday, January 24) 10 a.m. to noon \$43 members; \$52 nonmembers Missouri Room Theresa Hitchcock

The Language of Flowers: Create a Tussie Mussie (MBG)

"Say it with Flowers" and create a talking bouquet with fresh flowers and herbs. In the tradition of Victorian tussie mussies, you will learn the "Language of Flowers" and choose each flower for the message it sends. Convey anything from "I love you" to "Congratulations" with your bouquet. What better way to express your feelings than through this age-old tradition of flower giving?

Tuesday, February 10 (snow date Thursday, February 12) 10 a.m. to noon \$38 members; \$44 nonmembers Missouri Room Jeanne Carbone and Lesley L. Joplin

Knitting a Scrap Scarf (MBG)

After all of your winter knitting and sewing projects, why not create something beautiful out of scraps? Bust that stash of leftover yarn and alternative fibers by joining Suzanne to create a scarf that will impress everyone with its complex texture and color. No matter what your level of knitting experience, this knit along is all about fun!

Saturday, February 21 (snow date Saturday, February 28) 10 a.m. to noon \$33 members; \$39 nonmembers Garden Room Suzanne Hirth

FOOD AND COOKING

All cooking classes are demonstration only unless otherwise noted. Chefs serve sample-sized portions of their recipes.

PLANT-INSPIRED MEALS AND IDEAS

This Little Fig Came from the Market (MBG



Fresh figs are at local farmers' markets and supermarkets. You're intrigued, but you don't know how to prepare them. Have no fear, Diana Smith is here! She will show you how to prepare multiple fig dishes including honey-roasted figs with ricotta, fig and rosemary focaccia, fig and quinoa salad, fig chutney, and fig clafoutis. This Mediterranean fruit will soon be a wonderful addition to your cooking repertoire!

Thursday, September 11 7 to 9 p.m. \$45 members; \$54 nonmembers Center for Home Gardening Classroom Diana Smith

Favorite Wine and Cheese Pairings (MBG)

Start the season off right with sommelier Thomas Van Schaik as he covers the secrets to successful wine and cheese pairings. In this class, snacking and wine sampling are part of the curriculum! Make it a date night, or grab a girlfriend—this class has "you" written all over it.

Wednesday, September 17 7 to 9 p.m. \$45 members; \$54 nonmembers Center for Home Gardening Classroom Thomas Van Schaik

Beyond Red Delicious: Apple Inspiration (MBG)



Get ready for fall with this seasonal apple cooking class! Lana Shepek will demonstrate how to prepare wild rice salad with fresh spinach, pumpkin seeds, cranberries, and apple cider vinaigrette, grilled apple cheese sandwich served with spicy tomato jam, and apple bread pudding with caramel apple topping and caramelized apple chips. After sampling a variety of local apples, you'll leave class knowing which to use in any recipe!

Wednesday, September 24
7 to 9 p.m.
\$37 members; \$43 nonmembers
Center for Home Gardening Classroom
Lana Shepek

Sharpening Your Knife Skills (MBG)



Learn how efficient cutting techniques and knife use can make the art of food preparation safer and more enjoyable. The instructors will cover a range of topics including knife selection, care, sharpening, cutting techniques, and safety. Ample time will be allowed for you to practice the skills of slicing, dicing, julienning, chopping, and mincing. Bring a paring knife (if you have one) and an apron, if you wish. Designed for adults only.

Thursday, September 25
7 to 9 p.m.
\$37 members; \$43 nonmembers
Center for Home Gardening Classroom
Glenn Kopp and Linda Whitten

Dutch Oven Class— NEW! No-Knead Bread (MBG)

Learn both the art and craft of mixing and baking bread in this absolutely no-knead bread class! Lana will demonstrate master techniques to make rustic yeast breads including a crusty, chewy basic yeast bread, green Sicilian Castelvetrano and Greek Kalamata olive bread, and roasted potato and Parmigiano-Reggiano pizza. You'll be ready to create a no-knead bread for any occasion!

Thursday, October 9 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Lana Shepek

Celebrating with Herbs (MBG)

The St. Louis Herb Society will demonstrate many ways to enhance any of your autumn and winter celebrations with herbs. You'll sample some delicious recipes, and we'll share a wealth of decorating ideas you can really use as you get ready to put your herb garden to bed for the winter!

Monday, October 13 9:30 a.m. to noon \$37 members; \$43 nonmembers Center for Home Gardening Classroom The St. Louis Herb Society

Eat Your Greens (MBG)



Greens are fresh and ready at market and maybe even in your garden! Learn the best ways to eat them as Diana Smith prepares a walnut-cranberry turkey salad, bean and sausage soup with Swiss chard sautéed in ginger and cumin, wheatberry salad with Tuscan kale, butternut squash with roasted balsamic radicchio, and sautéed baby greens with bacon and mustard seeds. Get ready to bring the green to your meals!

Wednesday, October 15 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Diana Smith

Local Wine 101 (MBG)



With a whole world of wine to choose from, where do you begin? This class will teach you the basics of selecting and serving wine. Winemaker Brandon Dixon of Nobeleis Winery will describe several types of wine and their characteristics in an informative and unpretentious manner. During the evening you'll sample distinctively different wines and determine which of them appeal to you.

Thursday, October 16 7 to 9 p.m. \$45 members; \$54 nonmembers Center for Home Gardening Classroom Brandon Dixon

Cake Decorating with Wild Edible Flowers (SNR)

Decorate a pre-made white round cake with native wild edible flowers. We will provide the icing, cake, and edible flowers. Bring whatever else you would like to add such as food coloring to color your icing.

Saturday, October 18
9:30 to 11:30 a.m.
or
Friday, February, 6
1 to 3 p.m.
\$30 members; \$36 nonmembers
Carriage House
Shaw Nature Reserve Staff

The Wonderful World of Squash (MBG)

If the bright colors of pumpkin and squash at the farmers' market appeal to you, but you're not quite sure what to do with them, then this is the class for you! Lana Shepek will cook a Hokkaido red Kuri squash and pear soup with fresh sage served in pumpkin bowls; roasted winter squash with parsley, sage, rosemary, and thyme; sausage-stuffed acorn squash with molasses glaze; and of course, a pie!

Wednesday, October 22 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Lana Shepek

Lemony Delicious (MBG)



Citrus season is here, so let's celebrate with some lemony delicious recipes! Diana will prepare lemon poppy seed buttermilk pancakes, Meyer lemon roasted carrots and parsnips, lemon semifreddo with raspberry sauce, luscious olive oil lemon cake, and more!

Thursday, November 6
10 a.m. to noon
\$37 members; \$43 nonmembers
Center for Home Gardening Classroom
Diana Smith

Hearty Winter Soups (MBG)

Back by popular demand, with all new recipes! What better time to learn how to make delicious home-made soup than on a chilly autumn day? Our favorite English chef, Jane Muscroft, demonstrates how to prepare her famous baked potato, roasted carrot and parsnip, and chicken and rice soups. As always, Jane serves soup samples accompanied by warm, home-made bread! So grab a spoon and join us for a perfect winter cooking class that will keep your family warm and full.

Monday, November 10
or
Monday, November 17
10 a.m. to noon
\$37 members; \$43 nonmembers
Center for Home Gardening Classroom
Jane Muscroft

Hands-on Pastry Making with Jane Hands On Muscroft (MBG)



Are you always mesmerized by Chef Jane Muscroft's delectable pastries but afraid to make them on your own? In this unique multi-series baking class, you'll learn to make several pastries and have her expert help! Chicken pot pie, quiche, fresh cream, profiteroles, and chocolate tarts are on the menu for this. A tool list will be sent prior to class start date.

4 Tuesdays: January 20, 27; February 3, 10 (snow dates February 17, 24)

1 to 3 p.m.

38

\$196 members; \$235 nonmembers Center for Home Gardening Classroom Jane Muscroft

Cooking from the Heart (MBG)

Celebrate February as American Heart Month, and show yourself the love by taking this heart-healthy cooking class! Diana Smith will capture your heart with roasted red pepper soup. spinach ricotta pastries, a spring farro salad, London broil with Marsala sauce, and poached pears. After sampling this meal, you'll want to prepare a delicious heart-healthy meal at home!

Friday, February 13 10 a.m. to noon \$37 members; \$43 nonmembers Center for Home Gardening Classroom Diana Smith



CULTURAL INSPIRATIONS

Making Sushi (MBG)



Did you enjoy sushi at the Japanese Festival and now want to make it yourself? Here's your chance! Vicki will teach you techniques for making the perfect rice and several different types of sushi rolls in this fun, handson class. If you are unsure about eating raw fish but still want to enjoy sushi, this class is for you, as we will be using cooked fish and fresh vegetables.

Wednesday, September 10 7 to 9 p.m. \$42 members; \$50 nonmembers Center for Home Gardening Classroom Vicki Bensinger

Wok Around China (MBG)



Learn the best way to work your wok for delicious meals! Chinese-American Chef Theresa Liu demonstrates basic stir-fry skills while cooking crispy egg rolls, spicy Kung Pao chicken, sesame shrimp toast, orange beef, and more. Taste a savory bite of each recipe in this class while enjoying Theresa's tales about her Chinese roots!

Thursday, September 18 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Theresa Liu

Gluten-free Italian Cuisine (MBG)



Join Urban Eats' Caya Aufiero for a night of gluten-free Mediterranean cuisine! Italian chicken and eggplant caponata rice bowls with baby spinach, basil tomatoes, julienned red onions, and signature sauces will delight your taste buds. Follow it up with gluten-free and vegan lemon bars, and you'll be ready to cook for quests with any dietary needs!

Wednesday, October 8 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Caya Aufiero

Chocolate Therapy (MBG)

Don't ever feel guilty about eating chocolate! Learn the health benefits of chocolate, how to enjoy this sweet treat without all the guilt, what chocolate says about your personality, and how to use chocolate to relax with "chocolate meditation." We'll end our evening sampling chocolate and pairing it with a variety of wines. Designed for adults only ages 21 and older.

Tuesday, November 11 7 to 9 p.m. \$37 members; \$43 nonmembers Missouri Room Brian Pelletier and Kim Petzing

Holiday English Tea (MBG)

A new annual tradition, you can travel to England without leaving St. Louis with the tastes and traditions of a true English tea with Jane Muscroft. Try real clotted cream and homemade scones fresh from the oven, along with other recipes featuring foods and flavors of the holiday season served with quality loose leaf tea. Stroll the English Woodland Garden afterwards to complete the experience!

Tuesday, December 2

Oi

Thursday, December 4

OI

Wednesday, December 10

10 a.m. to noon

\$40 members; \$48 nonmembers

Center for Home Gardening Classroom

Jane Muscroft

Wine and Chocolate (MBG)

Delectable chocolate paired with the perfect wine: what better way to celebrate Valentine's Day with your sweetheart? Brian Pelletier of Kakao Chocolate will lead this sumptuous evening of chocolate and wine tasting, telling you all about the origin of chocolate, the process to make it, and just what makes it so good! This class is the perfect gift to share with your loved ones!

Tuesday, February 17 7 to 9 p.m. \$45 members; \$54 nonmembers Missouri Room Brian Pelletier



LIVING LOCAL

Joy of Sustainable Baking (MBG)

Join Kaylen Wissinger of the sustainable bakeshop Whisk for the low-down on the hows and whys of baking sustainably. Using as many local, organic, and artisan suppliers as possible Kaylen creates traditional and not-so-traditional baked goods for everyone to enjoy—including vegan, gluten-free, and allergen-free treats. Of course there will be samples for all!

Tuesday, September 23 7 to 8:30 p.m. \$30 members; \$36 nonmembers Center for Home Gardening Classroom Kaylen Wissinger

Kakao Candy Making (MBG)

Do you dream of candy? Do you dream of making it yourself? Join Brian Pelletier, chief chocolatier at Kakao Chocolate, who will share his candy knowledge and recipes and demonstrate how to make treats that will make your mouth water. Discover how local ingredients can be combined with old-fashioned techniques to be used in your own kitchen to make tasty treats for all to enjoy. Put new twists on your traditional recipes for caramels made with local honey, chocolate truffle ganache made with local lavender, and everyone's favorite molasses puffs.

Tuesday, October 14 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Brian Pelletier

Cooking in the Spirit of Henry Shaw (MBG)

In celebration of the 250th anniversary of St. Louis, we're hosting a cooking class in honor of our favorite St. Louisan, the Garden's founder Henry Shaw! This unique class will begin at Tower Grove House, with a tour and presentation on what food was grown on the grounds while Henry Shaw was alive. Then walk over to the Center for Home Gardening, where Jane will prepare recipes from the Tower Grove House's cookbook, including a pot roast, Yorkshire pudding, and apple custard pie! Currently, the historic Tower Grove House and Museum Building are not wheelchair accessible.

Thursday, October 23 9:30 a.m. to noon \$42 members; \$50 nonmembers Meet at Tower Grove House Jane Muscroft

The Spirits of the Season (MBG)

Celebrate the spirits of Halloween and learn to make sweet treats for adults! Kakao's Tori McCarty will delight and inspire you with seasonal bites including spiderweb sugar cookies, pumpkin donuts, brittle, Bailey's "witch hat" cupcakes, and pumpkin pie martini. Take this class and be ready to whip up sensational recipes for Halloween!

Wednesday, October 29 7 to 9 p.m. \$37 members; \$43 nonmembers Center for Home Gardening Classroom Tori McCarty

GREEN LIVING

GRIEEN

LIVING



Plants in the City: Vacant Lots Come Alive (Off-site)

What is the Land Lab Competition? What does it have to do with milkshakes? The idea started as a joint project between the City of St. Louis and Washington University. The outcome was a competition for ideas to transform vacant land in Old North St. Louis into a community asset that advances sustainability. During this program, meet the Sunflower+ Project team leader and Garden staffer Richard Reilly on the project's site for a guided tour of several Land Lab Projects. During the tour, participants will learn about a historic neighborhood in a state of positive transition, vacant lots and land use/reutilization in the city, including Habitat for Humanity in Old North, sustainable and creative land use strategies, and the basics/ options for soil testing. To top it all off, we'll finish up with a milkshake from Crown Candy! What could be better? For more information on the Land Lab project, visit: http://sustainablecities. wustl.edu/land-labs-competition

Saturday, September 13 10 a.m. to noon \$30 members; \$36 nonmembers Sunflower+ Project Site 14th and Warren Streets, St. Louis City, 63106 Richard Reilly

Field Trip: Where is "Away"— Leaving for the Landfill (CBEC/Off-site)

In this popular adult outing, we'll take a trip to see where things actually end up when you throw your trash "away." We'll tour a local landfill and learn how landfills are designed to reduce their impact on the environment. Please arrive ready for your adventure, dressed for the weather in closed-toed shoes. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District and the Missouri Department of Natural Resources.

Thursday, October 9
9:30 a.m. to noon
\$35 members; \$42 nonmembers
Meet in Commerce Bank Center for Science
Education Lobby
Katherine Golden

Composting Completely (CBEC)

If you've ever considered composting, but weren't sure where to start, this is the workshop for you! Covering a complete assortment of bin types and structures, we'll discuss pros and cons as well as all the basics. Each participant will leave with the information needed to begin composting right away as well as a kitchen scrap compost collector. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District.

Thursday, October 23 7 to 8:30 p.m. \$45 members; \$54 nonmembers Commerce Bank Center for Science Education Room 125 Katherine Golden



Greening the Holiday Season (CBEC)

As we feast, give gifts, decorate, and travel during the holiday season we consume lots of resources and generate tons of waste. The holidays are a special time of year for all, but the festivities don't have to have a negative impact on the environment. In this informative class, participants will explore ways to reduce, reuse, and recycle to green this year's celebrations. Guests from St. Louis Green will explain how old holiday lights can be recycled into new products and kept out of the landfill. Discover the joy of sustainable gift giving, pick up holiday recycling tips and tricks, and so much more! This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District and the Missouri Department of Natural Resources.

Thursday, November 6 7 to 8:30 p.m. \$20 members; \$25 nonmembers Commerce Bank Center for Science Education Room 125 Katherine Golden and Guests

See more sustainable craft classes on pages 28-34

Field Trip: Where is "Away"— Recovering Recyclables at the Materials Recovery Facility (Off-site)

In this popular adult outing, we'll visit the Republic Services Materials Recovery Facility to see what happens to our recyclables when they get hauled "away." We'll tour the facility and explore how recyclables go from trash to treasures and end up back on store shelves. Please arrive ready for your adventure, dressed for the weather in closed-toed shoes. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District and the Missouri Department of Natural Resources.

Tuesday, November 18
5:30 to 7 p.m.
\$25 members; \$30 nonmembers
Meet at Republic Services Facility
6025 Byassee Drive, Hazelwood, MO 63042
Katherine Golden and Guests

Composting Expanded: Bokashi Buckets (CBEC)

Tired of just throwing out all those food scraps? Considering composting but don't have a lot of space? Then get creative with bokashi buckets! In this space-saving system, effective microorganisms transform kitchen waste into nutrient-rich soil amendments. Learn the importance of the 3B's and discover what it takes to make and maintain a bokashi system. Each participant will prepare their own unique bokashi bucket to take home during this informative hands-on workshop. This program is supported by the St. Louis-Jefferson Solid Waste Management District and the Missouri Department of Natural Resources.

Thursday, February 12 7 to 8:30 p.m. \$45 members; \$54 nonmembers Commerce Bank Center for Science Education Room 125 Katherine Golden

NATURE STUDY

Women's Fishing (SNR)

Come to Shaw Nature Reserve for a chance to fish at one of our wonderful lakes (which is normally not allowed)! Bring your own rod and tackle or you can borrow our supplies. Live bait provided.

Saturday, September 6 3 to 7 p.m. \$3 members; \$5 nonmembers Dana Brown Overnight Center Shaw Nature Reserve Staff

Birding in the Field (Off-site)

Enrich your birding experience with this fieldtrip course that focuses on finding and identifying birds—by sight and sound-through successive phases of fall migration and the winter season. Many other topics related to birding will be discussed in the field. There are no prerequisites, but a serious interest in birding is important, as the trips will last all day (typically 7 a.m. to 4:30 p.m.). Meeting time and place will vary with date and destination. Your instructor will email you a course overview in the beginning and other materials later. Most destinations are within 50 miles of St. Louis.

6 Saturdays, September 6, 27; October 18; November 8, 22; December 13 7 a.m. to 4:30 p.m. \$250 members; \$300 nonmembers Off-site Fieldtrips William Rowe

Wildflower Identification and Ecology (SNR)

This course will focus on identification, relationships, and habitats of wildflowers and native grasses of the season. Beginners as well as serious students will increase their knowledge and appreciation. Come ready for moderate hiking with notebook in hand! Price per class.

Saturday, September 6 Saturday, October 4 9 a.m. to noon \$16 members; \$20 nonmembers Meet at the Shaw Nature Reserve Visitor Center Dr. James Trager



Evening Canopy Climb

Back by popular demand! Whether for a unique date night or solo experience, this 2-hour evening class introduces you to the extraordinary, diverse world of trees and forests, while teaching you the basics of tree-climbing mechanics including techniques, balance, and safety. Throughout the session, you'll have the opportunity to ascend and descend multiple times, exploring different parts of the tree's structure and canopy. Taking in the view from above has been described by past climbers as unforgettable! This course is designed for first-time climbers. Register early as spots are limited. Special offer for groups: Register an entire session (12 climbers) and each climber receives the member rate.

Price is per climber.

6 to 8 p.m. \$35 members: \$43 nonmembers Meet at climb site; see map on confirmation Jon Richard and Vertical Voyages team

at Missouri Botanical Garden

Friday, September 12 or Saturday, September 13 Friday, October 10 Saturday, October 11

at Shaw Nature Reserve Saturday, September 27

Families check out

Canopy Climb I and II in Youth & Family on pages 57-58





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

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

Saturday, September 13 1 to 4 p.m. \$22 members; \$26 nonmembers Carriage House Maxine Stone

Fall Wildflower Ramble (SNR)

Join these informal, educational walks in appreciation of the end of summer wildflower season in Shaw Nature Reserve's diverse plant habitats. Wear comfortable hiking clothes and bring a sack lunch (optional). These hikes are led by wildflower naturalists. Registration encouraged. Please stop at the Visitor Center to pay prior to class. Walk-ins welcome.

Tuesday, September 16

Of

September 23

OI

September 30

9:30 a.m. to noon

\$6 members; \$7 nonmembers

Meet at the Visitor Center

Dr. James Trager with Dick and Susie Russell

The Folklore of Weeds (MBG)



Weeds: Friend or Foe? Should we wage merciless war against the evils of dandelions and ragweed? Or should we embrace the presence of Queen Anne's Lace, the ancestor of our carrot? Explore the history, lore, and myths of "weeds." Be prepared to come away with a new-found respect for another one of nature's creations.

Saturday, September 27 10 a.m. to noon \$30 members; \$36 nonmembers Center for Home Gardening Classroom Jeanne Carbone



Trees of Shaw Nature Reserve (SNR)

Impress friends and family with your newfound tree expertise after experiencing this expert-led tour. This program covers identification of native trees of Missouri with emphasis on the oaks. We will also search out some of the giant trees of the Reserve and some less-known species of small trees.

Saturday, October 18 9 a.m. to noon \$20 members; \$24 nonmembers Meet at the SNR Visitor Center Dr. James Trager

Wild Edibles (SNR)

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

Sunday, October 19 Noon to 3 p.m. \$22 members; \$26 nonmembers Carriage House Dr. Catrina Adams

Reading the Landscape (SNR)



Join SNR Naturalist James Trager to explore past land use at the Nature Reserve and its long-lasting effects on the environment, as revealed by characteristics of the current vegetation. This educational hike will take you through the various landscapes of the Reserve.

Saturday, November 1 9 a.m. to noon \$16 members; \$20 nonmembers Meet at SNR Visitor Center Dr. James Trager

HEALTH

HEALTH AND WELLNESS

Fitness Walks (MBG)

Many of us miss the beautiful, everchanging seasonal blooms in the Garden. Join us on a once-a-month walk with a focus on fitness as we journey through the Garden. Dress for the weather and wear your walking shoes. Bring a water bottle to keep you hydrated. This walk fills quickly; registration is required.

10 to 11 a.m.\$8 members; \$10 nonmembersMeet at Ridgway Visitor Center Ticket CounterSharon Lloyd

Late Summer Walk

Tuesday, September 2

Fall Fitness Walk

Tuesday, October 7 or Tuesday, November 4

Winter Fitness Walk

Tuesday, December 2

Wednesday Walkers (SNR)

Walks average 3 miles, allowing time to stop, look, listen, and converse. At the end of 9 weeks 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. Registration encouraged; walk-ins welcome. Please stop at Visitor Center to pay prior to class.

Wednesdays in September and October 10 to 11:30 a.m. Included with admission Meet at SNR Visitor Center Rachel Weller

Trail Social Run (SNR)

These runs introduce you to plants, animals, and trails at the Reserve while enjoying the company of other runners. Route is 3-7 miles. All paces welcome. Weather dependent. Maps available upon request. Registration encouraged; walk-ins welcome. Please stop at Visitor Center to pay prior to class.

Thursdays in September, October, and November (no run November 27) 8 to 9:30 a.m. Included with admission Meet at SNR Visitor Center Rachel Weller

Meditations in the Garden (MBG)

Explore the treasures of the Garden through the senses during this 4-week program. Learn mindful meditations to explore the Garden through its sounds, sights, textures, and smells. Practice progressive relaxation and breathing exercises to help clear the mind of its chatter. Cultivate inner peace, restore emotional balance, and deepen your connection to the beauty of nature. Weather permitting, class will be outdoors. Please dress for outdoor comfort. Moderate walking required.

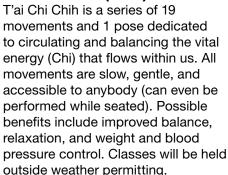
4 Fridays: September 5, 12, 19, 26.
Back-up rain dates are October 3 and 17.
9:30 to 11 a.m.
\$75 members; \$90 nonmembers
Garden Room
Rhonda Leifheit

Garden Yoga: Beyond the Basics (MBG)

Enjoy this mini-session before the weather cools! We will be outside in the beautiful setting of the Garden (weather permitting). Class is designed for those with basic yoga experience and will focus on fundamental and intermediate postures, alignment, breathing, and relaxation techniques. Class offers a physical challenge while recharging your mind and spirit.

4 Saturdays: September 6, 13, 20, 27 10:30 to 11:45 a.m. \$64 members; \$77 nonmembers Meet at Ridgway Visitor Center Ticket Counter Meg Hoester

T'ai Chi Chih (SNR)



8 Tuesdays: September 9, 16, 23, 30; October 7, 14, 21, 28 6 to 7 p.m. \$50 members; \$60 nonmembers Carriage House Sister Mary Frances Reis, BVM



HEALTH AND WELLNESS

Trail Run Series Race (SNR)

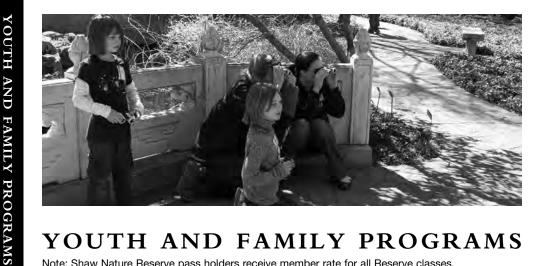
Shaw Nature Reserve and the Alpine Shop are teaming up to present a run in the natural beauty of the Nature Reserve! These timed races offer a course suitable for all skill levels. Refreshments and beverages following the race. To register go to: www.alpineshop.com/info/calendar

Saturday, September 13 8 to 10 a.m. \$15 members and nonmembers Meet at SNR Visitor Center Shaw Nature Reserve Staff and Alpine Shop Staff

Stay Strong, Stay Healthy (MBG)

Enjoy the beauty of the Garden during this 8-session introduction to strength training. Light weights will be used to increase strength and improve balance. Weather permitting, the program may take place outdoors in the Garden. Please dress for outdoor comfort. Please complete and bring participant information forms to the first scheduled class.

8 sessions (twice weekly) October 27, 29; November 3, 5, 10, 12, 17, 19 10 to 11 a.m. \$64 members; \$77 nonmembers Garden Room Damaris Karanja, MA



YOUTH AND FAMILY PROGRAMS

Note: Shaw Nature Reserve pass holders receive member rate for all Reserve classes.

Childhood is a matter of days. Which ones will your little one remember?

They whisk by, the early years of a person. All too soon, they ask for the keys and set out on their own. But what are the little ones in your life doing today? Right now? Likely they are playing, experimenting, looking under things, maybe digging, smelling, touching, wandering, and wondering. The youngest among us are born naturalists; they love the living world and they're really, really curious about it.

As parents and caregivers, how can we best cultivate that curiosity? Family life is often fast-paced and jam-packed, with little time to smell the roses. Or is it?

Introducing the Missouri Botanical Garden's "Little Years" series, designed for busy, modern parents with children ranging from ages 2 to 5. Featuring expertly designed parent-and-child experiences at three St. Louis-area sites-Missouri Botanical Garden, Butterfly House, and Shaw Nature Reserve—this series places the focus squarely on your child, you, and the wonders of nature while preparing your child for preschool and kindergarten. Your child will learn and put into practice skills such as taking turns, listening to the teacher and their friends, sharing, making choices, following routines, and class rules, all while providing an opportunity for your child to gain independence and interact with other children.



- Little Sprouts (ages 2-3) Missouri Botanical Garden
- Little Bugs (ages 2-4) Butterfly House
- Little Nature Explorers (ages 3-5) Shaw Nature Reserve

While distinct in themes and activities, all classes in the "Little" series share common traits such as quality parent-and-child interaction, hands-on creating, active time outdoors, and take-home ideas and inspiration to extend learning.







AGES 6 AND UNDER

Strollerobics (MBG)

Work out at the Garden with trained fitness instructors! Strollerobics is a fun, 8-week workout for all fitness levels. Participants push strollers along the Garden's mostly flat paths, stopping to do cardio and toning exercises. Your children will enjoy the Garden's sights and sounds while you get a great workout and a chance to socialize with other parents!

> \$52 members: \$62 nonmembers Garden Grounds MBG Staff

Tuesday Evenings

8 Tuesdays: September 2, 9, 16, 23, 30; October 7, 4, 21 6 to 7 p.m.

Thursday Mornings

8 Thursdays: September 4, 11, 18, 25; October 2, 9, 16, 23 9:30 to 10:30 a.m.

Friday Mornings

8 Fridays: September 5, 12, 19, 26; October 3, 10, 17, 24 9:30 to 10:30 a.m.



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, hands-on activities, songs, stories, snacks, and a walk in the Garden. This fall we will search for the Garden's full-time residents: insects, frogs, and furry friends. Price per child. One adult per child please.

10 to 11:30 a.m. \$105 member child; \$126 nonmember child Botanical Room Kelly Wehrheim

Monday Series

7 Mondays: September 8, 15, 22, 29; October 6, 13, 20

Tuesday Series

7 Tuesdays: September 9, 16, 23, 30; October 7, 14, 21

Wednesday Series

7 Wednesdays: September 10, 17, 24;

October 1, 8, 15, 22



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. Price per child. One adult per child please.

10 to 11:30 a.m. \$60 member child; \$72 nonmember child Botanical Room/Garden Grounds Kelly Wehrheim

Monday Series

4 Mondays: November 17, 24; December 1, 8

Tuesday Series

4 Tuesdays: November 18, 25; December 2, 9



Little Bugs (BH)

For ages 2–4. Bring your child to learn about butterflies and create a unique work of art together. The class meets weekly for 6 weeks, and each week we will learn about a different insect. Each session includes handson crafts, a snack, a story, and a walk through the butterflies. This fall we will learn about butterflies, bees, ladybugs, dragonflies, spiders, and millipedes. When the weather allows, we will walk outside as well. Price per child. One adult per child please.

Wednesday Series

6 Wednesdays: October 8, 15, 22, 29; November 5, 12 10 to 11a.m. \$90 member child; \$108 nonmember child Lopata Learning Lab Chris Hartley







Little Nature Explorers (SNR) For ages 3–5. Little Nature

Explorers classes are an excellent way

to help prepare your child for preschool or kindergarten! Each class will include multiple hands-on indoor and outdoor activities designed to strengthen your child's connection to the outdoor world around them. Each month participants will learn about the different plants and animals that make the Nature Reserve their home. You are welcome to bring a snack for you and your child. Price per child. One adult per child please.

9:30 to 11 a.m.

\$90 member child; \$108 nonmember child Carriage House

Shaw Nature Reserve Staff and Volunteers

Monday Series

6 Mondays: September 8, 15, 22, 29; October 6, 13

Tuesday Series

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

Fall Garden Buds (MBG) Additional Classes on Sunday!

For ages 4–6. Discover the amazing world of plants with your preschooler in Garden Buds! Price per child/per class. One adult per child please. Register by September 5, 2014 for three or more Fall Garden Buds classes and your child will receive a free t-shirt.

\$16 member child; \$19 nonmember child Botanical Room (**except where noted)

Peek at a Pond

AGES 6 AND UNDER

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 4 10 to 11:30 a.m. Kelly Wehrheim or Sunday, September 7 1 to 2:30 p.m. Sharon Lloyd

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 18 10 to 11:30 a.m. Kelly Wehrheim or Sunday, September 21 1 to 2:30 p.m. Sharon Lloyd

Beautiful Bamboo

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

Sunday, October 12 1 to 2:30 p.m. **Garden Room Sharon Lloyd or October 15 Thursday, October 16 10 to 11:30 a.m. Kelly Wehrheim



Leaf Giants

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

1 to 2:30 p.m.
**Garden Room
Sharon Lloyd
or
Thursday, October 23
10 to 11:30 a.m.
Kelly Wehrheim

Sunday, October 19

Cheer For Chocolate

Yeah for Chocolate! Join us to study and sample this favorite tropical treat!

Thursday, November 6 10 to 11:30 a.m. Kelly Wehrheim or Sunday, November 9 1 to 2:30 p.m. **Garden Room Sharon Lloyd

Plants as Presents

Create potted gifts for the holiday season and enjoy the Gardenland Express Holiday Flower and Train Show!

Thursday, December 4 10 to 11:30 a.m. Kelly Wehrheim or Sunday, December 7 1 to 2:30 p.m. Sharon Lloyd

FAMILY PROGRAMMING

Shaw Family Adventures (SNR)

For families with kids ages 3 and older. Join us for an adventure and get hands-on with nature! Each class includes outdoor activities for your family to learn together about the plants, animals, and outdoor skills at the Nature Reserve. Price per child. One adult per child please.

\$7 member child; \$9 nonmember child Check-in at SNR Visitor Center Shaw Nature Reserve Staff

Flying By

We'll hike to see if we can spy a Monarch butterfly, play games, hear a story, and create a milkweed boat to float in our new water feature as we have an adventure in the Nature Explore Classroom.

Friday, September 5 or Friday, September 12 9:30 to 11:30 a.m.

Colorful Crops

Fall is the time for colors to change and crops to grow. We'll hear a story, hunt for fall colors as we hike, play games, and do a colorful crop craft that we will learn about in our story. Saturday, October 4

12:30 to 2:30 p.m. or Thursday, October 16 9:30 to 11:30 a.m.

Scurrying About

Squirrels are scurrying about to prepare for winter. We'll watch them work as we hike by, hear a story, play games to practice our scurrying skills, create a craft, and a cache for the squirrels.

Friday, November 14 or Tuesday, November 18 9:30 to 11:30 a.m.

Forest Fare

Winter is a quiet time in the woods. Animals, plants, and people have cached food and are staying warm in their homes. Learn how animals and plants save food for the winter, take a short hike to look for winter wild edibles, and bake a cookie made from acorns.

Friday, December 5 9:30 to 11:30 a.m. or Tuesday, December 9 9:30 to 11:30 a.m.

Winter Adventure

The woods have safe places for animals to sleep all winter, like trees and caves. We'll have an adventure in an indoor cave, play games, take a short hike, hear a story, and make a craft.

Tuesday, January 6 or Thursday, January 22 9:30 to 11:30 a.m.

We Love Nature

Make a nature craft for those you love, hear a story about a mouse that makes valentines, hike to find hidden hearts, and play games.

Thursday, February 5 or Tuesday, February 10 9:30 to 11:30 a.m

Nature Navigators (SNR)

For families with kids ages 6 and older. 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. Price per person.

\$7 members; \$9 nonmembers Check-in at the Shaw Nature Reserve Visitor Center Shaw Nature Reserve Staff

Full Moon Night Hike for Families

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

Monday, September 8 7 to 9 p.m.

Arghhh! Let's Hike

Arrive at dusk and create your own candle by the campfire, similar to how the chandlers did during the time of pirates. Then we will head out on a night hike using the light of lanterns as our guide and end our adventure by eating a treasure of a treat: s'mores!

Saturday, October 18 6:30 to 8:30 p.m.



Who's There?

Trail cameras are attached to trees, take photos automatically when they sense something approaching, and are a fun way to see what animals live nearby. You will get to see pictures we've taken before we go out on a quick 2-mile hike to see our trail camera, collect it, and head back to discover what new pictures it has captured.

Monday, November 10 6:30 to 8:30 p.m.

Forest Feast

Winter is a time for people, plants, and animals to survive by caching food. Learn all about caches as we hike to look for them, learn about winter wild edibles, and bake a cookie made from acorns.

Friday, December 5 6 to 8 p.m.

Canopy Climb I: Learning the Ropes

For adults and/or families with children ages 8 and older.

Whether you're an adventurous adult, a family of active explorers, or anyone over age 8 who loves climbing and trees, this experience is a must-do. Past participants rave about the unforgettable birds-eye view, an inspiring new perspective on trees, and the sense of personal accomplishment, among other take-away benefits. In this 2-hour experience, expert instructors will introduce you to the extraordinary, diverse world of trees, while teaching you the basics of tree-climbing mechanics including techniques, balance, and safety. Throughout the session, you'll have the opportunity to ascend and descend multiple times, exploring different parts of the tree's structure and canopy. This course is designed for first-time climbers. Register early, as spots are limited. Special offer for groups: Register an entire session (12 climbers) and each climber receives the member rate. Price is per climber.

\$35 members; \$43 nonmembers Meet at climb site; see map on confirmation Jon Richard and Vertical Voyages team

MBG

Saturday, September 13 12:30 to 2:30 p.m. or Sunday, September 14 12:30 to 2:30 p.m. or 3 to 5 p.m.

Saturday, October 11 12:30 to 2:30 p.m. or Sunday, October 12 12:30 to 2:30 p.m. or 3 to 5 p.m.

SNR

Saturday, September 27 12:30 to 2:30 p.m. or Sunday, September 28 12:30 to 2:30 p.m. or 3 to 5 p.m. or Saturday, October 4 9:30 a.m. to noon

See page 45 for a special Evening Canopy Climb.



Canopy Climb II: Exploring the Canopy (MBG)

FAMILY PROGRAMMING

For adults and/or families with children ages 12 and older. Designed for those who want to strengthen and diversify their climbing skills, this 3-hour experience has a maximum of six climbers per session. In this advanced course, climbers will learn to climb more efficiently using footlocking as opposed to using a footloop. Your instructor will demonstrate limb-walking, single-line technique, and in-canopy rope advancement. Based on individual progress or abilities, climbers may experience all or some of these advanced techniques during this unforgettable, exclusive experience. While in the canopy alongside you, your instructor will also provide in-depth information on tree biology/physiology, forest ecology, and conservation efforts to protect forests close to home and around the world. Climbers must have taken "Canopy Climb I" or have climbed previously using double-rope technique. Climbers need to be in good physical condition. Register early, as spots are limited. Price is per climber.

Saturday, October 11
9 a.m. to noon
\$55 members; \$68 nonmembers
Meet at climb site; see map on
confirmation
Jon Richard and Vertical Voyages team



Nature Detectives Club for Families (SNR)

For families with kids of all ages. Our lives can be so hectic: children going from one event to another, parents chauffeuring children, and grandparents trying to keep up with everyone's activities. Let's pause and discover the natural wonders at Shaw Nature Reserve with your family. This "club" is designed for families who like to get outside, hike, learn, and explore together. Hands-on activities will be geared to 6-8 year olds, but there really is something for everyone! Topics will vary from aquatic studies to letterboxing. Information will be sent prior the outing. Price includes up

to five family members.

3 Saturdays: September 13; October 11;
November 8

1 to 3 p.m.

\$45 members; \$54 nonmembers
Check-in at the Visitor Center
Karen Bryan

Keeper for a Day

For ages 8-12. Students will go behind the scenes and see what is involved in our animal care. Working alongside our entomology and education staff, students will assist with husbandry and general care of our animals and participate in animal handling and demonstrations for the public. This program will help students understand the challenges and develop the skills necessary for taking care of live arthropods. Each participant will receive a name badge, t-shirt, and mounted butterfly to take home. To schedule a date, please call (636) 530-0076 ext. 10.

8 a.m. to noon \$100 members; \$120 nonmembers Butterfly House in Faust Park Butterfly House Staff



Youth Fishing (SNR)

For ages 10–17 with accompanying adult. Join our experienced instructor for a chance to do some morning fishing at Wolf Run Lake. Dive deeper into fishing: learn casting skills, fish ecology, and practice catch and release. Fishing is not normally allowed at Shaw Nature Reserve so this is a rare opportunity. Bring your own rod and tackle or you can borrow our supplies. Live bait provided.

Sunday, September 7 9 a.m. to noon \$3 members; \$5 nonmembers Dana Brown Overnight Center Shaw Nature Reserve staff

Green Family Fun (MBG)

For families with kids ages 8 and older. Going green is great—especially when everyone in the family can get involved! Imagine your youngest taking on recycling duty for the house, or your oldest managing the family's compost bin! Join us for a series of classes discovering ways the whole family can go green. Price per child. This program is supported by funding from the St. Louis-Jefferson Solid Waste Management District and the Missouri Department of Natural

10 to 11:30 a.m. \$5 members; \$8 nonmembers Commerce Bank Center for Science Education Room 125 Katherine Golden

Composting Curiosity

Resources.

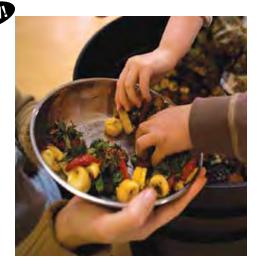
Composting is fun and easy—especially if you get the whole family involved. Discover the basics of composting, different methods available, and how composting can help the Earth in this fun, educational workshop. Discover the secrets and mysteries of compost critters by digging through compost and investigating a working vermicompost bin.

Saturday, September 13

Take Out the Toxic

Many common household products may contain hazardous components. Join us in this workshop as we learn about preventing household hazardous waste, how to identify potentially hazardous materials, and how to properly handle, store, and dispose of these products. Participants will make their own homemade green cleaner to take home.

Saturday, October 11



Exploring Energy

Each class will explore the importance of making more sustainable choices for your home. We use energy every day at home, at school, at work, and even when playing. Using energy wisely means being efficient and reducing how much energy you use. By saving energy you can help cut down on pollutants, save energy resources like natural gas, oil, and water, and save money on your utility bills. Learn how to conduct an energy audit of your home and discover ways your family can save energy in this fun, hands-on class.

Saturday, November 8

Trash to Treasure: Paper Recycling

Each year, 34 million tons of paper products end up in the landfill. Much of this paper could be recovered and recycled to make new paper. Learn how to turn scrap paper into beautiful works of art as we study the paper recycling process and make our own recycled cards. Explore ways recycling paper can help save resources and reduce waste. Participants will have fun recycling paper and creating their own work of art to take home in this fun. creative class.

Saturday, February 14

Nature-Loving Families (MBG)

For families with kids ages 6 and older. Enjoy Mother Nature-approved family time, no batteries required! This series features guided walks, hands-on crafts, citizen science experiences, and take-home activities. Parents are encouraged to look under rocks and leaves and up into trees, modeling curiosity, and fulfilling their role as their child's first and best "guide to the outside." Price per person. 10 a.m. to noon

\$8 members; \$10 nonmembers Botanical Room/Garden Grounds MBG Staff

Dazzling Dragonflies



This time of the year there are lots of animals migrating, but did you know that dragonflies also migrate? Take a walk and learn how to identify different dragonflies around the Garden's ponds and learn how you can contribute to the Dragonfly Pond Watch Project.

Saturday, September 6

Owls, Spiders, and Bats, Oh My!



Join us as we dispel the myths of these spooky animals and learn about them and their habitat by exploring the Garden. We'll take a closer look and use our observation skills to examine these habitats using the Citizen Science project Nature's Notebook.

Saturday, October 25

Parent's Day Out (SNR)



For families with kids ages 6 and older. Enjoy a day outdoors at Shaw Nature Reserve. While your children explore the Reserve through handson activities and games led by our education staff and volunteers, parents will be in their own group discovering ways to engage their children through art in nature, fishing, geocaching, and more! At the end of the event, you and your children will come together for a grand finale activity to wrap up the day! Price per person.

Saturday, November 1

1 to 4 p.m.

\$8 members; \$10 nonmembers

Pavilions

Shaw Nature Reserve Staff and Volunteers



Great Green Adventures (MBG)

For families with kids ages 6–12. Sign up now or just drop-in to explore a special area of the Garden. Price per child; three children per adult. Younger siblings may attend.

10:30 to 11:30 a.m.

OI

1:30 to 2:30 p.m.

Free for members; \$3 for nonmembers with Garden Admission

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

Kelly Wehrheim

Garden Apartments

Who lives in the Garden? We'll search the Garden for clues about the animals, insects, and spiders that make their home here.

Saturday, September 20

Seeds on the Move

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

Saturday, October 18

I Spy Fall

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

Saturday, November 15

Evergreen Trees

Why do some trees' leaves stay green all winter? Join us as we explore the Garden and learn which trees stay green and why.

Saturday, December 20

Marvelous Mediterranean

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

Saturday, January 17

Sweet Smells of the Indoor Garden

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

Saturday, February 21



Supper with Santa (BH)

For families with kids of all ages. Have dinner with Santa at the Butterfly House! Your ticket includes a pasta dinner, a picture with Santa, butterfly hunt night walks through the Conservatory, face painting, storytime, and cookies with hot chocolate. Guests will also receive a commemorative bookmark after posing in the Fun Photo Events photo booth.

4:30 to 7 p.m. \$15 members; \$20 nonmembers (12 months and under are free) Butterfly House in Faust Park Butterfly House staff

Saturday, December 6 or Sunday, December 7

Saturday, December 13 or Sunday, December 14 or Saturday, December 20 or Sunday, December 21



Booterflies (BH) For families with kids of all ages.

Experience a fabulous, non-scary Halloween family fun evening at the Butterfly House. Wear your Halloween costume, trick-or-treat for lots of loot at our sponsored treat houses, and play insect-inspired games. Ages one and under are free.

Saturday, October 25 5 to 7 p.m. \$4 member; \$8 nonmember Butterfly House in Faust Park Butterfly House staff



FAMILY PROGRAMMING







Prairie Day (SNR)

For families of all ages. Hitch up the wagons and head out to Prairie Day. This fun-filled family event portrays prairie heritage and showcases our 250-acre re-created tall grass prairie. Hike with a naturalist, check out the teepee, play pioneer games, listen to a live band, and watch weaving and other craft demonstrations. No registration required.

Saturday, September 20 10 a.m. to 4 p.m. \$3 members; \$6 nonmembers Trail House Shaw Nature Reserve Staff

OVERNIGHTS

Basket Making Overnight (SNR)

For adults only.

Linda Brown

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

Friday, January 9 to Saturday, January 10 7 p.m. to 3 p.m. \$80 members; \$95 nonmembers Dana Brown Overnight Center



Maple Syrup: Tree to Table Overnight (SNR)

For adults and families of kids ages 6 and older. Have you ever thought about making your own maple syrup? This fun and educational overnight program will tell you everything you need to know to start making your own maple syrup. While the process can be time consuming, it's surprisingly simple. Lodging is dormitory style in our historic log lodges. The overnight will include a Night Hike on Friday, followed by a campfire with s'mores (weather permitting), and a pancake breakfast on Saturday morning with real maple syrup. After breakfast, there will be a step-by-step explanation of the process required to make your own syrup. Price is per person; one adult per child please.

Friday, January 23 to Saturday, January 24 7 p.m. to 11 a.m. \$50 members; \$60 nonmembers Dana Brown Overnight Center Shaw Nature Reserve Staff

It's Your Weekend Overnight (SNR)

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

Saturday, January 31 to Sunday February 1 9 a.m. to 11 a.m. \$85 members; \$102 nonmembers Dana Brown Overnight Center Helen McCallie

DROP-IN FAMILY ACTIVITIES



Children's Garden (MBG)

Calling all nature loving families!

Fall into fun and join us for another fun-filled season of discovery, exploration, and adventures into the wondrous world of plants.

Open daily, March 29 through November 2 9 a.m. to 4 p.m.

Garden Members:

Free Tuesdays all day and Saturdays from 9 a.m. to noon. Family-level members and above get free admission every day.

St. Louis City/County Residents:

Free on Saturdays from 9 a.m. to noon.

Save the Date! Closing Weekend!

Make plans to create, build, plant, and connect with nature during our fun-filled closing weekend event Saturday, November 1 and Sunday, November 2 from 9 a.m. to 3 p.m.

Storytelling (MBG)

For families with kids of all ages.

Relax a while and enjoy a naturethemed story in the cozy story corner of Henry Shaw's country home.

Wednesdays and Saturdays 11 a.m. Now through January 4, 2015 Tower Grove House Included with Garden admission MBG Interpretation Staff



Create with Nature (MBG)For families with kids of all ages.

Invigorate your natural curiosities and explore your artistic side! Make, create, build, investigate, connect, and discover the marvels in nature using plant parts and everyday materials. Learn creative ways to plant your future at home or within your local community.

Daily 4 p.m.

Now through January 4, 2015
Included with Garden admission
Brookings Interpretive Center
MBG Interpretation Staff

Nature Journaling (MBG) For families with kids of all ages.

How do your kids engage with nature? What do they see? Feel? Hear? Smell? One way to connect, create, and learn is by keeping a nature journal. Start your journaling adventures with us. Make your very own nature journal and take a guided trek through the Children's Garden. We'll capture what we see, hear, smell, and feel using simple journaling techniques.

Tuesdays and Saturdays 11 a.m. Now through November 2 Included in Children's Garden admission MBG Interpretation Staff

Germination Stations (MBG)

For families with kids of all ages. Ever wonder what life on the prairie was like? Why bees are so important? How far your food really travels? If your family can plant your own edible garden at home? Join us on a Missouri adventure as we dig deep into our connections with nature through making, creating, building, planting, and exploring these areas of the Children's Garden this year.

Mondays: General Store **Tuesdays:** Edible Garden **Wednesdays:** Nature Explorer

Thursdays: Wetlands **Fridays:** Pollination Station **Saturdays:** Edible Garden

Sundays: Cave Daily 10 a.m. to noon Now through November 2

Included with Children's Garden admission

MBG Staff and Volunteers

DROP-IN FAMILY ACTIVITIES

BUGjar Club (BH)



For families with kids ages 3-8.

Join the fun with the Butterfly House's new literature-based presentation and craft series. Each month, we will learn about a different bug with an interactive storybook reading. Participants then create a habitat for their new BUGjar friend. Come join us each month to learn about all the bugs in the series!

Every Tuesday September through February 9:30 to 10:30 a.m.

Included with admission
Butterfly House in Faust Park
Butterfly House staff

Paper Kite Butterfly Festival For families with kids of all ages.

Experience flight and wonder as we celebrate our first Paper Kite Butterfly Festival. Watch paper kite butterflies fly throughout our tropical conservatory, see kite building demonstrations, build origami butterflies, and decorate your very own kite to take home. Have fun while learning what makes butterflies and kites soar.

2 Saturdays, September 6 and 13 9 a.m. to 4 p.m. Included with Butterfly House Admission Butterfly House in Faust Park Butterfly House Staff

Owls and Orchids: Animal Encounters (BH) For families with kids of all ages.

The Butterfly House welcomes nocturnal animal friends for a visit. Guests can meet owls and others during these evening events. You will also have the rare chance to see our 1,000 Owl Butterflies in flight, which is a magnificent and unforgettable sight. Fun crafts will be available.

Every Tuesday in October \$3 member; \$6 nonmember Butterfly House in Faust Park Butterfly House Staff

Discover Nature Families: Truth or Tale? (SNR)

For families with kids of all ages.

Shaw Nature Reserve's volunteer Teacher Naturalists will help your child explore the not-so-scary truth about plants and animals that we usually think of as scary. Do you think a snake can eat you? Do all spiders weave webs? Is poison ivy poisonous? Stop by for a few minutes or an hour. No registration required. With support from the Missouri Department of Conservation.

Saturday, October 11
9 a.m. to noon
Included with admission
Nature Explore Classroom
Jim and Brenda Christ—SNR Volunteers

Hot! Hot! Hot!

For families with kids ages 2-12.

Shake off the cold-weather blues and join in fun, tropical-themed, kid-friendly activities, games, and crafts that your whole family will enjoy. There will be live steel drum music, a toddler sandbox, face painting, and photo opportunities.

Saturday and Sunday, February 7 and 8 10 a.m. to 3 p.m. Included with Butterfly House admission Butterfly House in Faust Park Butterfly House Staff



SCOUTING OUT A CHALLENGE:

Programs & Workshops



Explore the world of insects, become a naturalist, or get your hands dirty planting a seed! Scouts enjoy a variety of hands-on nature and STEM-based programming at all three of our sites: the Missouri Botanical Garden, Shaw Nature Reserve and Sophia M. Sachs Butterfly House. Programs are aligned with badge and award requirements.

- Programs for Groups
- Badge Workshops for Individuals
- Overnights at the Missouri Botanical Garden and Shaw Nature Reserve



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

SCOUTING

CLASS INFORMATION/POLICIES

Location of Classes: Site maps are available at www.mobot.org/classes. PLEASE BE SURE TO CHECK THE LOCATION OF YOUR CLASSES.

You will receive confirmation via email or regular mail. Please refer to that for details about class location.

Class Information and

CLASS INFORMATION/POLICIES

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

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

Accommodations and

Accessibility: If you are in need of an accommodation, 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.

Cancellations/Refunds:

- For cancellations more than 5 business days prior to the class, a full refund, minus a \$5 processing fee (NO REFUND FOR LESS THAN \$10), will be issued, unless otherwise noted. Refunds cannot be issued for missed classes or cancellations fewer than 5 business days prior to class date. A business day is defined as Monday through Friday 8:30 a.m. to 5 p.m., no Saturdays, Sundays, or federal holidays. Please consider your payment a donation to the Garden.
- For overnight program refunds, cancellations must be made at least 2 weeks prior to the program. Refunds cannot be issued for cancellations fewer than 2 weeks or missed programs.

- Many classes will allow you to send an alternate participant if you are unable to attend. Please call (314) 577-9506 prior to class.
- If the Missouri Botanical Garden must cancel a class, you will be notified and receive a full refund.
- Participants are encouraged to register early, as programs with insufficient registration (depending on type of class) will be canceled approximately 5 days before the scheduled start date (overnights, 2 weeks). A full refund will be issued in this case.
- A transfer to another class is handled as a refund and is subject to the above policy.

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.

Questions: For questions and online process information, please call (314) 577-9506 or email classes@mobot.org. For individual questions at ShawNature Reserve call (636) 451-3515 x 6007, Butterfly House call (636) 530-0076 x 13 and for Missouri Botanical Garden call (314) 577-9506.

Give the gift of knowledge! Education Gift Certificates available! Call Carol at (314) 577-9506.

To register go to www.mobot.org/classes

REGISTRATION FORM

Name:			Gender*: _		
Child's name and age (if applicable): Gender*:					
Address:City/State/Zip:					
Home Phone:	ome Phone: Work Phone:				
E-mail:					
* Gender information needed only for overnight programs.					
Course Name	Attendee	Location	Date	Fee	
PAYMENT OPTIONS (please check one):					
Please check one: ☐ Member ☐ Nonmember ☐ Staff ☐ Volunteer					
Missouri Botanical Garden Member ID:					
Payment Method: ☐ Check ☐ Visa ☐ MasterCard ☐ Discover					
Card #:					
Exp:3-Digit Verif	ication Code:				
Signature:					
Mail to: Missouri Botanical Garden, Education D	ivision, P.O. Box	299, St. Louis, M	O 63166		

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

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

CLASSES ARE ALSO OFFERED AT:

Commerce Bank Center for Science Education

4651 Shaw Blvd. St. Louis, MO 63110

Shaw Nature Reserve

Hwy 100 at I-44 (exit 253) P.O. Box 38 Gray Summit, MO 63039 (636) 451-3512

Sophia M. Sachs Butterfly House

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



REGISTRATION STARTS AUGUST 1. SIGN UP ONLINE AT MOBOT.ORG/CLASSES