



MISSOURI BOTANICAL GARDEN

CLASSES FOR
ADULTS • YOUTH & FAMILY



FALL • WINTER 2011–2012
SEPTEMBER–FEBRUARY

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

ADULT CLASSES

GARDENING AND LANDSCAPING

NATIVE PLANT SCHOOL (SNR)

Native Plant School is a year-round series of indoor/outdoor classes in the Whitmire Wildflower Garden at the Shaw Nature Reserve. It covers various aspects of native landscaping. Please bring your questions, comments, drawings, and plant specimens, etc. Participation from the audience is encouraged. Classes are designed for adults only. *Native Plant School at the Shaw Nature Reserve is underwritten by Grow Native! and Wild Ones Natural Landscapers.*

\$10 members; \$15 nonmembers
Carriage House

Native Seed Collecting, Cleaning, and Storage

Thursday, September 15
OR
Friday, September 16
1 to 4 p.m.
Scott Woodbury

Fall Native Perennials and Grasses for Landscaping

Thursday, October 13
OR
Friday, October 14
1 to 4 p.m.
Scott Woodbury

Book Review 1: *Bringing Nature Home* by Doug Tallamy

Come prepared to discuss Chapters 1–7 and the first half of Chapter 14 (questions 1–5).

Friday, February 10
5 to 7 p.m.
Scott Woodbury and Cindy Gilbert

Native Plant Propagation From Seed

Thursday, February 16
1 to 4 p.m.
Scott Woodbury and Terri Brandt



“BECOME A GREAT GARDENER” SERIES

Classes for Beginning Gardeners

This series of classes is designed for beginners just getting into gardening. Join others as you get answers to those questions that you don't want to ask that “know-it-all” advanced gardener over the fence!

Designing with Perennials and Annuals (MBG)

Many plants mentioned on TV design programs don't work for the St. Louis area. Learn some great annual and perennial color and texture combinations that your neighbors will envy.

Sunday, September 11
1 to 3 p.m.
\$25 members; \$30 nonmembers
Missouri Room
Cindy Gilberg

Gardening for Birds and Butterflies (MBG)

The garden is aflutter with wings of many creatures. Learn how to invite butterflies and birds into your garden by planting specific plants for nectar, food, and habitat.

Sunday, September 25
1 to 3 p.m.
\$25 members; \$30 nonmembers
Kemper Classroom
Cindy Gilberg

Fall Gardening

Check List (MBG)

As the weather cools, fall is a great time to do many things around the garden and get ready for winter. Cindy will go over what tasks are best to do in early and late fall and what should wait until spring. A great class to become a year round gardener!

Sunday, October 9
1 to 3 p.m.
\$25 members; \$30 nonmembers
Missouri Room
Cindy Gilberg

Right Plant, Right Place (MBG)

You wouldn't feed a vegetarian a big juicy steak, so why would you put a water-loving plant in a dry area? It's common for beginners (and experienced gardeners) to put plants in the wrong spot. Learn some great plants that will be the right plant for the right place and ways to observe different conditions in your garden.

Sunday, October 16
1 to 3 p.m.
\$25 members; \$30 nonmembers
Missouri Room
Cindy Gilberg

Soil Testing 101 (MBG)

Does your soil pass the test? Soil conservationist Teresa Morris will help you decipher soil test results and explain what nutrients your plants need and how those nutrients are used. You will learn how to take a soil sample and when you should get your soil tested, plus talk about common myths of what soil testing can show.

Sunday, October 23
1 to 3 p.m.
\$25 members; \$30 nonmembers
Missouri Room
Teresa Morris

EDIBLE GARDENING

Strawberries, Blueberries, & Grapes Galore! (MBG)

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

Tuesday, September 27
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
Elizabeth Wahle

Organic Fall and Winter Gardening (MBG)

Learn about vegetable gardening using organic methods. Topics covered will include garden planning for fall through early spring, preparing the soil, composting, mulching, gardening indoors, and extending the growing season with cold frames. Gardening does not have to end when the weather turns chilly. This is a great time for preparing your garden for next spring, planting for early spring crops, and finding ways to extend your harvest.

Tuesday, October 4
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
Cheryl Rafert



Fancy Some Fruit Trees (MBG)

You don't need a large orchard to grow fruits successfully. You can grow apples, pears, plums, cherries, peaches, or nectarines even in small spaces with Elizabeth's expert advice. She'll cover varieties, stock selection, planting, fertilizing, and pest control in this informative and money-saving class.

Tuesday, October 11
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
Elizabeth Wahle

NEW!

Raised Bed Gardens (MBG)

Do you have heavy, rock-hard soil but want a beautiful vegetable garden? A raised bed garden could be the alternative to hours and hours of trying to change the soil. Dianne will teach you about the materials for construction and site selection. She will share her seasonal calendar, from starting seeds, planting and maintaining the garden, as well as making it aesthetically pleasing in your landscape.

Monday, October 17
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
M. Dianne O'Connell

Organic Heirloom Vegetables (MBG)

NEW!

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

Saturday, February 18
9 to 11 a.m.

\$25 members; \$30 nonmembers
Missouri Room
Cheryl Rafert



GARDENING BEST PRACTICES

Basic Pruning (MBG)

Pruning is often needed to control plant size, enhance beauty, correct damage from pests or breakage, 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 also learn about the selection and care of the best pruning gear and equipment.

Tuesday, October 4
7 to 9 p.m.

\$25 members; \$30 nonmembers
Botanical Room
Ben Chu

MBG's Favorite Tools of the Trade (MBG)

NEW!

What are the Garden horticulturists' secrets to friable, well-drained soil? Adding Turface (soil conditioner) and leaf mold. Learn about these and many other tools of the trade including the best pruning tools, soil mixes, and hori-hori knives in this fun and informative class filled with the staff's favorites things. Discover what tools help make the Garden gorgeous for millions of visitors.

Tuesday, September 20
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
Jason Delaney

Growing Orchids: Part I (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.

Thursday, September 22

7 to 9 p.m.

\$25 members; \$30 nonmembers

Missouri Room

Babs Wagner

DIY Pest Control (BH)

The nice and toasty warmth of your house in the winter is equally inviting to our six-legged friends. If you are not so thrilled with their company and want safe and effective ways to send them packing, this course is for you! Come learn a few cheap and earth friendly tricks to rid your home of roaches, ants, house centipedes, and silverfish. Planning a garden this spring? We will also discuss how lacewings, ladybugs, and other beneficial insects may become your garden's new best friends.

Sunday, January 15

2 to 4 p.m.

\$25 members; \$30 nonmembers

Lopata Learning Lab

Mandi Newton

LANDSCAPE DESIGN AND IDEAS**Shade Gardening (MBG)**

Shade gardening can be challenging but a delight. Cindy Gilberg will illustrate practical ideas on how to plan, plant, and maintain plants for a variety of conditions found in shade gardens. She will also show you which plants have favorable attributes like variegation and textured leaves to make your garden a wonderful place to be.

Tuesday, September 13

7 to 9 p.m.

\$25 members; \$30 nonmembers

Missouri Room

Cindy Gilberg

R & R for Your Lawn:**Renovate & Rescue (MBG)**

Is your cool season lawn looking thin and worn? Are the weeds taking over? Learn how to solve these problems through correct methods of soil preparation, seeding, watering, aeration, fertilizing, and weed control. After this class, you will be on your way to a healthier, more beautiful lawn.

Saturday, September 17

9 to 11 a.m.

\$25 members; \$30 nonmembers

Botanical Room

Glenn Kraemer

Forget the Lawn: Grow **NEW!** Ground Covers (MBG)

Ground covers may present the solution to a problem area in your home landscape including reducing your lawn area. This course will focus on selecting ground covers that meet your specific needs and that are suited to the St. Louis area. Their identification, ornamental characteristics, culture, and quantity needed will be discussed.

Wednesday, September 21
7 to 9 p.m.

\$25 members; \$30 nonmembers
Botanical Room
Cindy Gilberg

Home Landscape Design (MBG)

This course is specifically designed to help gardeners transform their home landscapes into a natural oasis that's both beautiful and beneficial for plants, people, and the environment. Beginning with the basics of design, you will learn about front plantings, private areas, energy conservation, and plant selection for your home. You will be encouraged to develop a landscape plan during class for your own yard or garden, and to study plant material independently. You are invited to bring photos of your yard to the first session during which class supplies will also be discussed.

7 to 9 p.m.

\$120 members; \$144 nonmembers
Botanical Room

5 Wednesdays: September 28; October 5,
12, 19, 26

Randy Mardis
OR

5 Tuesdays: October 18, 25; November 1,
8, 15

John Bell

Fabulous Ferns for **NEW!** Your Yard (MBG)

Many different kinds of ferns are hardy in our local climate and are wonderful additions to the perennial garden. Ferns are not only excellent as specimen plants, but are prized for their foliar textures and subtle array of colors. Join MBG curator George Yatskievych and SNR horticulturist Cindy Gilberg for a walk around the Garden to see some of the many ferns planted on the grounds and to learn tips for growing various species. They will provide an indoor presentation about what makes these plants special and how best to use them in various kinds of garden designs. We will spend about two hours walking both paved and wood-chip paths around the Garden. Wear comfortable shoes and bring a water bottle. Cameras are encouraged, but tripods should be left at home. The walk is held rain or shine.

Saturday, September 17
1 to 4 p.m.

\$38 members; \$46 nonmembers
Kemper Classroom
George Yatskievych and Cindy Gilberg

Beautiful Bulbs: Fall **NEW!** Planting (MBG)

Get your hands dirty this fall and learn how to plant some bulbs at the Garden. What better way to learn than to see how our own staff bulb expert, Jason Delaney, makes the magic happen. He will demonstrate how we create the spectacular bulb display by layering plants of coordinating colors, amending the soil, and timing everything just right. Plus you'll get a chance to put a few bulbs in the ground yourself!

Tuesday, October 18
5 to 6:30 p.m.

\$25 members; \$30 nonmembers
Meet at Ticket Counter
Jason Delaney

Blooms for All Seasons (MBG)

NEW!

Fill your garden with color throughout the year with perennials and shrubs. Dianne will give you great combinations that will layer blooms throughout the season and create interest with heights and textures. Plan your garden so you always have flowers bursting with life at any time of the year.

Monday, October 24
7 to 9 p.m.

\$25 members; \$30 nonmembers
Botanical Room
M. Dianne O'Connell

Natives in the Landscape (MBG)

Native plants were made for our area and are adapted to our difficult soils. Cindy will highlight both herbaceous plants and shrubs to plant in your garden. From early spring through fall and into the winter, she will give many choice natives that will make your garden bountiful in bloom and full of foliage.

Wednesday, October 26
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
Cindy Gilberg

Add Winter to Your Garden Season (MBG)

Discover a new palette of color and design in your garden when you add plants for fall and winter interest. June will highlight plants for bark texture, colorful berries, everlasting form, and more. She'll share her incredible knowledge of plant culture with more than 30 years of experience at the Garden. It's contagious!

Thursday, December 1
7 to 9 p.m.

\$25 members; \$30 nonmembers
Missouri Room
June Hutson

Growing a Butterfly Garden from Seed (BH)

Beat the winter blues by getting a head start on growing plants to attract butterflies to your garden. Starting plants from seed can be fun and economical. Learn which plants will attract butterflies and are easy to start from seed. Get plans to build your own seed-starting stand.

Saturday, January 14
2 to 3:30 p.m.

\$19 members; \$23 nonmembers
Lopata Learning Lab
Lisa Williams

Wilderness Wagon and Bus Tours (SNR)

Enjoy the beauty of fall with a guided tour of Shaw Nature Reserve for your group. Reserve the Wilderness Wagon, an open-sided vehicle accommodating 28 people, or arrange for a tour on your coach. A naturalist will accompany you on a 3-mile ride and, if you wish, lead you on a short walk along one of the scenic trails. Our roads can accommodate coaches with or without a guide. Wagon and bus tours leave from the Visitor Center.

September 1 through October 30
Weekdays, 9 a.m. to 3 p.m.; weekends,
10 a.m. or 11 a.m.

Call (636) 451-3512 ext. 6075 for prices
and to reserve a date for your group.

Meet at Visitor Center
SNR volunteers

Wilderness Wagon Public Tours (SNR)

The Wilderness Wagon is also available for the general public without reservations.

Saturdays and Sundays in October
Hourly at 1 p.m., 2 p.m., and 3 p.m.

\$1 members; \$1 plus general admission
nonmembers

Meet at Visitor Center
SNR volunteers

GUIDED WALKS AND TOURS

Fall Wildflower Rambles (SNR)

Join these informal, educational walks in appreciation of the end of summer wildflower season in Shaw Nature Reserve's diverse plant habitats. These hikes are led by wildflower naturalists. Wear comfortable hiking clothes and bring a sack lunch (optional). No reservations taken; pay on arrival. Designed for adults only.

Tuesday, September 13

OR

Tuesday, September 20

OR

Tuesday, September 27

9:30 a.m. to 1:30 p.m. (option to leave at noon)

\$6 members; \$7 nonmembers

Meet at Visitor Center

James Trager and Dick and Susie Russell

Behind the Scenes: Renovated Linnean House (MBG)

Did you know the Linnean House is the oldest continuously operated public greenhouse west of the Mississippi River? It has recently been renovated with its camellia collection replanted and some new additions. Find out how this conservatory was originally used, what happened to the camellias over the winter, and how the renovations have impacted this historic greenhouse.

Thursday, September 15

5:30 p.m. to 7 p.m.

\$19 members; \$23 nonmembers

Missouri Room

Dan Gravens

Lunch or Dinner Tour of Shaw Nature Reserve (SNR)

Gather 8 to 10 friends and schedule a luncheon or dinner tour of the Reserve. Travel by the Wilderness Wagon for this progressive dinner. Hors d'oeuvres are on the terrace overlooking the Whitmire Wildflower Garden; dinner is by candlelight within strolling distance of the wetland. Luncheons occur in the midst of what's in bloom.

For adults only. Call to make a

reservation: (636) 451-3512 x 6075

\$850 dinner tour for 8 to 10 members;

\$700 luncheon tour for 8 to 10 members

(no discount for fewer people);

\$1,020 dinner tour for 8 to 10

nonmembers;

\$840 luncheon tour for 8 to 10

nonmembers (no discount for fewer people)

Meet at Visitor Center

Helen McCallie

Shaw's Self-sustaining Garden and Farm (MBG)

The Missouri Botanical Garden in its infancy not only served as a place of beauty but a place of life-sustaining edible plants and flowers. Discover how the life and times of Henry Shaw produced vegetables and herbs that provided food for his city and country homes. Learn how the discoveries of the mid-1800s helped shape what we know and practice today. We will take a short walk to tour Tower Grove House and Herb Garden.

Saturday, September 17

9 to 11 a.m.

\$25 members; \$30 nonmembers

Kemper Classroom

Priscilla Smith

Gardens of England: Inspiration for the

NEW!

Garden and Your Yard (MBG)

Through gorgeous photographs and insightful commentary, experience over 15 gardens with your tour guide, Victorian District Horticulturist Jennifer Kleeschulte. Travel along as she highlights interesting plants, gorgeous combinations, and the pick of the most popular garden styling in her recent trip to famous places like Waddesdon Manor, Chatsworth, and Hidcote. Jennifer's excitement about plants is contagious as she shares tips and tricks that will help you incorporate her finds into your garden.

Tuesday, September 27
6 to 8 p.m.

\$25 members; \$30 nonmembers
Botanical Room
Jennifer Kleeschulte

Behind the Scenes:

Japanese Garden (MBG)

Experience this popular walking tour after hours in the Japanese Garden with senior horticulturist Greg Cadice and gain a new appreciation for *Seiwa-en*, the "Garden of Pure, Clear Harmony and Peace." Greg will highlight features of this world-famous garden including scenic vistas, teahouse island, and how the Horticulture staff and volunteers create an overall feeling of serenity in this special place. Please wear comfortable shoes for this two-mile-long, continuous walk.

Tuesday, September 20
5 to 7 p.m.

\$25 members; \$30 nonmembers
Meet at Ticket Counter
Greg Cadice

Don't Kill Your Perennials (MBG)

Some information about perennial maintenance in books is inappropriate for the Midwest perennial garden. In this two-hour walking tour through the Kemper Center Gardens, June Hutson will highlight what to do and what not to do in the fall season for the most commonly grown perennials. Tips will include time of pruning, common mistakes, mulching, and getting ready for the most roller coaster of all seasons—St. Louis winters. You will see firsthand how to take care of perennials from one of our area's top perennial experts.

Wednesday, September 21
5 to 7 p.m.

\$25 members; \$30 nonmembers
Meet at Kemper Classroom
June Hutson

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 17
Rainer Bussmann
OR

Saturday, October 15
Wendy Applequist
10 to 11:30 a.m.
\$19 members; \$23 nonmembers
Meet at Ridgway Ticket Counter



Historic and Important Trees (MBG)

Alan Stentz has been researching and writing descriptions of historic and important trees in the Garden for the Garden's online PlantFinder. In this walk he will point out those trees, which we believe were planted during the life of Henry Shaw and provide a wealth of fascinating facts about the origins of several of the interesting and important trees growing in the Garden.

A true delight for the tree lover!

Tuesday, October 11

4 to 6 p.m.

\$25 members; \$30 nonmembers

Meet at Ticket Counter

Alan Stentz

Rare Plants and Living Collection Tour (MBG) **NEW!**

Join Andrew Wyatt, Missouri Botanical Garden's Vice President of Horticulture, for a tour of the Garden's plant collections. Focusing on the current and potential conservation use of the extensive living collections, the tour will cover both behind-the-scenes functions rarely seen by visitors and

look at important specimens within the Garden. Andrew will also share how the Garden's horticulture will play an increasingly important role in plant conservation. The tour will provide you with a new dimension of the Garden and allow you to share this important conservation message with your friends and family when visiting the Garden.

Wednesday, October 12

10 to 11:30 a.m.

\$19 members; \$23 nonmembers

Meet at Ridgway Ticket Counter

Andrew Wyatt

Japanese Maples (MBG)

Japanese maples are exquisite small trees that can beautify any garden. During this on-grounds walking tour, you will see recommended cultivars for the St. Louis area planted throughout the Japanese Garden and learn about their many desirable characteristics, culture, and pruning techniques.

Saturday, October 22

9 to 11 a.m.

\$25 members; \$30 nonmembers

Meet at Ticket Counter

Teresa Pafford

ARTS & CRAFTS

When it comes to artistic inspiration, nature's wonders never cease. For many budding artists and creative souls, the Garden offers a series of drawing, painting, photography, and craft classes that are all about celebrating, connecting with, and caring for nature.

PAINTING AND DRAWING



Capturing the Landscape in Watercolor (MBG)

Take a creative journey to learn to paint vibrant, expressive landscape paintings. Under the inspiration of fall and the Garden, students will utilize color, shape, and line to capture the spirit of the landscape. Seldom does an artist find a "picture perfect" photograph or place. Students will learn to simplify, edit, and rearrange using the elements of design to create effective compositions. This class is for artists with some watercolor experience. No basic skills will be taught; studio class.

8 Fridays: September 9, 16, 23, 30;
October 7, 21, 28; November 4; no class
on October 14
9:30 a.m. to noon
\$170 members; \$204 nonmembers
Kemper Classroom
Judy Seyfert

The Magic of Watercolor (MBG)

NEW!

Paint, have fun, and learn more about watercolor than you thought possible. Through demonstrations and exercises in composition, the expressive use of color, and pigment applications, students will learn the art of well-planned yet seemingly "spontaneous" watercolors. Learn to take your inspiration and make it into original painting. The goal is not just to record your inspiration but to paint it in an enthusiastic and creative way. Beginning to intermediate level; studio class.

6 Mondays: September 12, 19, 26;
October 3, 10, 17
6:30 to 9 p.m.
Garden Room
\$128 members; \$154 nonmembers
Judy Seyfert

The Garden in Watercolor (MBG)

Capture the beauty of the Garden in watercolor while you learn new techniques and composition skills outdoors. Through demonstrations and critiques, you will receive individual and group instruction. Beginning and advanced students are welcome. Designed for adults only. A material list is provided.

8 Tuesdays: September 13, 20, 27;
October 4, 11, 18, 25; November 1
9:30 a.m. to noon
\$170 members; \$204 nonmembers
Garden Room
Mary Dee Schmidt

Why Sketch? (MBG)

Have you ever seen something so stimulating in nature that you wished you had the ability to capture it on paper? In this class, you'll learn to see and sketch what you see out in the Garden. Jaclyn will show you how to develop basic skills through demonstrations and individual instruction. You will develop a sense of observation and awareness of the natural, wondrous world around you. In event of inclement weather, the class will sketch from live plant still-lives in the classroom.

8 Wednesdays: September 14, 21, 28;
October 5, 12, 19, 26; November 2
9:30 a.m. to noon
\$170 members; \$204 nonmembers
Kemper Classroom
Jaclyn Lawson

Watercolor: Bold and Beautiful (MBG)

Using the dynamic, luminous character of watercolor, students will learn to utilize bold color, shape, and line to make their own unique paintings. A variety of subjects will be covered including still lifes, landscapes, and abstracts. Judy teaches the process of watercolor in a simple and straightforward manner. Students are given group and individual instruction encouraging creativity while enhancing painting and compositional skills. Beginning to intermediate levels; studio class.

6 Saturdays: October 22, 29; November 5,
12, 19; December 3
9:30 a.m. to 12:15 p.m.
\$140 members; \$168 nonmembers
Missouri Room
Judy Seyfert

Exploring Color (MBG)

Of the art elements, color is the most expressive. For the watercolor artist it presents special challenges. In this class artists will increase their knowledge of color by exploring color relationships, including basic color harmonies that create successful paintings. We will analyze popular pigments and learn their strengths, weaknesses, and limitations. Artists will study the language of color: temperature, value, hue, intensity, complementary, analogous, etc. Judy will teach you how to make rational color choices to build your own personal palette. Experienced watercolorist only; studio class.

4 Fridays: January 6, 13, 20, 27 (snow dates
February 3, 10)
10 a.m. to 1 p.m.
\$122 members; \$146 nonmembers
Missouri Room
Judy Seyfert

Sketching Basics: Putting It in Perspective (MBG) 

Don't get frustrated with the drawing basics—you can do it! In this short course, Jaclyn will demonstrate perspective and other concepts which some find difficult to understand. She will also show you many of the great sketching tools available like water soluble colored pencils, watercolor, ink, and more. Indoor plants, photographs, and other still lifes will be your subject while we wait for the thaw of spring.

6 Wednesdays: January 18, 25;
February 1, 8, 15, 22;
(snow dates February 29, March 7)
9:30 a.m. to noon
\$128 members; \$154 nonmembers
Garden Room
Jaclyn Lawson

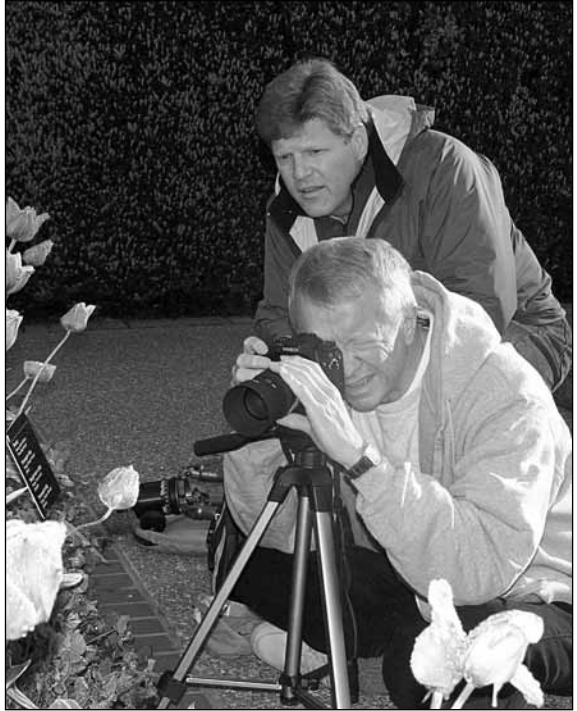
PHOTOGRAPHY

Basic Photography (MBG)

In this multi-session, hands-on course you will have the opportunity to develop the skills of a photographer and explore the functions of your camera. You will learn about composition, lighting, shutter speed, aperture (f-stops), depth of field, and terminology; all are crucial to taking exceptional pictures. The course will be appropriate for both novice and intermediate students. Participants should bring a 35mm camera (either film or digital) to the first session.

6 Wednesdays: September 7, 14, 21, 28; October 5, 12; 7 to 9 p.m.
Field trip: Sunday, September 25, 7 to 11 a.m.

\$170 members; \$204 nonmembers
Missouri Room
Scott Avetta



Capturing Sunsets in the Garden (MBG)

As an intermediate photographer, you will have the unique opportunity to photograph the Garden with evening and sunset light in this multi-session class. You will experience both classroom information sessions and photo shoots with hands-on help and critiques. We will discuss the complications and advantages of low light/sunset photography and how to handle them. You should bring camera equipment to all the classes. A tripod is recommended.

4 Mondays: September 12, 19, 26; October 3

6:30 p.m. to 8:30 p.m.

\$110 members; \$132 nonmembers
Botanical Room
Scott Avetta

Daytime Basic Photography (MBG)

Improve your photography skills by learning the key functions of your camera and how to use them to your advantage. Throughout this multi-session, hands-on session we will spend time on composition, lighting, aperture, shutter speed and ISO settings in the classroom and then apply them in the field. The course will be appropriate for both novice and intermediate students. Participants should bring a 35mm camera (either film or digital) to the classes.

5 Tuesdays; September 13, 20, 27; October 4, 11

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

\$170 members; \$204 nonmembers
Kemper Classroom
Scott Avetta

Close-up Photography (MBG)

In this intermediate course we will discuss subject selection and explore its many possibilities for dramatic results. Learn to maximize your equipment and to utilize other close up options (close-up rings, extension tubes, etc.) to improve your photographs. The critical element of light and options to create a scene with reflectors and/or diffusers will be included. The use of a tripod and cable release/remote is highly recommended. A macro lens is not required.

3 Thursdays: September 15, 22, 29
9:30 a.m. to 12:30 p.m.
\$124 members; \$149 nonmembers
Kemper Classroom
Scott Avetta

Seeing Nature through the Lens (SNR)

Join professional photographer Scott Avetta for this intermediate level, two-day weekend workshop that will include field sessions and classroom instruction/discussion. Explore the heart of Shaw Nature Reserve as we photograph the areas (wetlands, woodlands, glades, and prairies) of greatest potential based on subject and weather conditions. We will discuss the importance of subject selection, composition, and lighting (weather).

Saturday, October 8 and Sunday, October 9
7 to 11 a.m.
\$85 members; \$102 nonmembers
Adlyne Freund Center
Scott Avetta

Breaking the Rules: **NEW!** Intermediate Photography (MBG)

In this multi-session, hands-on course you will learn how to increase your photographic opportunities and put back some of the fun. When you first learn photography, it is difficult to know when to follow the rules and when to break them. We will learn how to think outside the box and how to view obstacles as opportunities. We will discuss labeling vs. design, looking vs. seeing, and some of the barriers we place on ourselves. Participants should know the basic functions of their camera.

4 Wednesdays: November 2, 9,
16, 23; 7 to 9 p.m.
Field trip: Sunday, November 6, 7 to 11 a.m.
\$165 members; \$198 nonmembers
Missouri Room
Scott Avetta

Before the Click Photography Overnight (SNR)

For adults only. "Before the Click" is an immersion into what makes good, great, and exceptional photographic images. It is part spiritual, part psychological, plus practical tips on how to spend more time behind the lens and less at the computer manipulating images. Participants should have working knowledge of their camera and must submit a disk prior to the workshop with 15–25 images on a single subject. Workshop includes a lecture and visual presentation of Stewart's work, a critique of the group's photos, and a brief presentation by computer guru Jeff Hirsch. More details sent upon registration. Accommodations dormitory style. Meals included.

Saturday, November 5, 9 a.m., through
Sunday, November 6, 1:30 p.m.
\$250 members; \$300 nonmembers
Dana Brown Overnight Center
Stewart Halperin

BOTANICAL CRAFTS

Nature Knitters:

Vining Scarf (MBG)

In the inspiring and calming natural surrounds of the Garden, enjoy a morning learning session to knit a seed stitch scarf to finish on the go. Suzanne will be on hand to demonstrate the stitch and help with any problems. Then sit back and relax while you knit away the morning in company of other knitters.

Saturday, October 15

9 a.m. to noon

\$38 members; \$46 nonmembers

Meet at Kemper Center Upper Level

Suzanne Hirth



Terra-cotta Planter (MBG)

Learn to make your own terra-cotta planter with clay artist Mary Henderson. She will teach you how to hand build a beautiful vessel with nature-inspired decorations. After firing by the instructor, you will have a wonderful planter that you will be proud to call your own. Fired planters will be available for pickup at the Kemper Center after November 21.

Wednesday, November 2

6 to 9 p.m.

\$48 members; \$58 nonmembers

Botanical Room

Mary Henderson

Gourd Ornaments (MBG)

Gourds make wonderful, personalized ornaments for friends and family. Nationally acclaimed gourd artist Lynne Slack will share the story of gourds throughout history and lead students to discover many possibilities for decorating gourd ornaments. Bring your favorite stamps, stencils, creative ideas, wood burner, and/or paints and brushes. We will provide some of these supplies as well as four different gourds per student.

Saturday, November 12

2:30 to 4:30 p.m.

\$37 members; \$44 nonmembers

Garden Room

Lynne Slack

Greening Your Holiday:

Nature-inspired and

NEW!

Upcycled 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, Jennifer will inspire you to think outside the box with holiday present wrapping. After demonstrating her many ideas, you will have a chance to create some gift tags to take home.

Saturday, November 12

10 a.m. to noon

\$25 members; \$30 nonmembers

Botanical Room

Jennifer Smith

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 7
OR

Thursday, December 8
6:30 to 9 p.m.

\$35 members; \$42 nonmembers
Adlyne Freund Center
Barbara Troutman

Holiday Wreath Making (MBG)

Create a beautiful holiday wreath from fragrant Douglas fir. Adorn your wreath with cones, ribbons, holly, and juniper berries. All materials will be provided. Please bring pruning shears and any special touches for your wreath if you want.

10 a.m. to noon

\$45 members; \$54 nonmembers

Friday, December 9

Missouri Room

OR

Saturday, December 10

Botanical Room

Bee-autiful Gifts (BH)

The activity in the hive may have slowed down, but there is still plenty of fun to be had with bee-related products! Come learn how to make your own soaps, lip balms, and other gift items out of honey, pollen, and royal jelly. These are inexpensive gifts to impress friends and family with this holiday season. Earth friendly gift wrapping ideas will also be discussed.

Saturday, December 10

2 to 4 p.m.

\$25 members; \$30 nonmembers

Lopata Learning Lab

Mandi Newton

Basket Making Overnight (SNR)

For adults only. An overnight basket-weaving class in which you choose the basket/s you will make. Register by December 1, allowing time for you to choose from a list of baskets (with pictures and levels of difficulty) and for us to order the materials. Beginners are welcome. The cost includes meals and a dormitory-style overnight in a delightful historic log lodge. You will pay the instructor separately from \$7 to \$20 per basket for the materials you order in December.

Friday, January 6, 7 p.m., through Saturday,
January 7, 3 p.m.

\$72 members; \$86 nonmembers

Dana Brown Overnight Center

Linda Brown

Introduction to Herbal Soap Making (SNR)

For adults only. Learn how to make your own cold-pressed soap using vegetable oils and pure, therapeutic essential oils. Stir the pot as various vegetable oils, botanicals, essential oils, and other ingredients are added for a specific blend. Each participant will receive a cured bar of soap to take home. Other soaps will be available for purchase.

Saturday, January 28

9 a.m. to noon

\$20 members; \$24 nonmembers

Adlyne Freund Center

Kathleen (Kitty) Schmidt

FOOD & COOKING

Creating and sharing a meal made with food you've grown yourself can be incredibly gratifying. And if you're not harvesting your own ingredients quite yet, just knowing your food, including its origins and its attributes, is a great start. Acknowledging how central food and food choices are to our connections with plants, people, and the planet, the Garden offers unique culinary classes designed to inspire and nourish.

PLANT INSPIRED MEALS AND IDEAS

Exploring Vanilla

Orchids (MBG)

NEW!

Take a tour of the orchid greenhouse and see the largest collection of vanilla species in North America with Horticulturist Babs Wagner. In the Kemper Classroom, she will also discuss how vanillas grow and show wonderful pictures of vanilla's flowers through the season. Then you will learn how vanilla heightens chocolate's flavor and pairs well with many sweet and savory dishes in the cooking portion of the class. Linda will demonstrate making vanilla pears served with a classic and versatile crème anglaise sauce. Explore how to use this popular aromatic flavoring as an addition to seafood and chicken dishes.

Tuesday, September 13
6 to 8 p.m.

\$35 members; \$42 nonmembers
Meet at Ticket Counter
Babs Wagner and Linda Whitten



Herbs—the Usual

Suspects: Mix, Dry,

Macerate, and Beyond! (MBG)

NEW!

It's harvest time for your herb garden! Class participants will learn about some usual and unusual uses for this year's herb harvest, including natural and practical tips for household, fragrance, and cooking solutions for your well-being. Learn the "Top 10" ways to harvest and preserve herbs. Each participant will "make and take" a functional product home with them as well as other wonderful harvesting ideas.

Monday, September 26
9:30 a.m. to noon

\$35 members; \$42 nonmembers
Kemper Classroom
St. Louis Herb Society

The Buzz on Bees: Bee Keeping and Cooking with Nature's Sweetener (MBG)

NEW!

Miranda will show you how to setup your own beehives and answer common questions about being a beekeeper. Sample a variety of dishes using honey and "bee" blown away with the flavor and variety you can create with this simple natural sweetener.

Saturday, October 15
9 a.m. to noon

\$45 members; \$54 nonmembers
Kemper Classroom
Miranda Duschank and Lana Shepek

Winter Squash: From Sweet to Savory (MBG) **NEW!**

Fall is the time to find winter squash, but what do you do with it? Join Sassafras café's chef, Barbara LeMons, for a menu to answer your questions and entice your taste buds. She will demonstrate acorn squash baba ganoush served with toasted pita; spiced pumpkin risotto; kabocha squash tempura with gingered soy dipping sauce; maple glazed sweet dumpling squash; spaghetti squash with brown butter, sage, and almonds; and for dessert, sweet potato crème brûlée, with a side of pumpkin seed and cornmeal biscotti.

Tuesday, October 25
7 to 9 p.m.

\$35 members; \$42 nonmembers
Kemper Classroom
Barbara LeMons

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, a chef's knife (if you have one), and an apron, if you wish.

Thursday, October 27
7 to 9:30 p.m.

\$35 members; \$42 nonmembers
Kemper Classroom
Linda Whitten and Glenn Kopp



photo by Clay Irving/Flickr

Herbal Holidays: Using Herbs for Gifts and Celebrations (MBG) **NEW!**

Join members of the Webster Groves Herb Society as they share their passion for herbs. Learn which herbs can withstand winter outdoors and which prefer to be brought indoors. Members will share suggestions for caring, harvesting, and preserving herbs. Discover how to use herbs to make crafts you can give as gifts and how to make tasty holiday culinary treats. You will sample herbal cuisine and create an herbal craft.

Saturday, November 5
9:30 a.m. to noon

\$35 members; \$42 nonmembers
Kemper Classroom
Webster Groves Herb Society



Garden Inspired:

NEW!

Asian Soups (MBG)

Using the Chinese and Japanese Gardens as a springboard to explore, chef Barbara LeMons has created a wonderful sampling of Asian soups. She will introduce you to Vietnamese pho, Chinese wonton soup, and Japanese soba noodle plus add some new ideas to bring comfort to the cold.

Wednesday, October 19

7 to 9 p.m.

\$35 members; \$42 nonmembers

Kemper Classroom

Barbara LeMons

Making Sushi (MBG)

Did you enjoy sushi at the Japanese Festival and now want to make it? Here is your chance in just two hours. Vicki will teach you techniques for making the perfect rice and several different types of sushi rolls in this fun, **hands-on 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 14

7 to 9 p.m.

\$40 members; \$48 nonmembers

Kemper Classroom

Vicki Bensinger

English Tea (MBG)

Enjoy learning about an authentic English tea with Jane Muscroft. She will demonstrate cream cheese and cucumber finger sandwiches, smoked salmon finger sandwiches, and golden raisin scones served with clotted cream and strawberry preserve. For dessert, sample a fresh fruit tartlet and lovely cream horns. All will be served with a quality loose hot tea.

Tuesday, October 11

7 to 9 p.m.

\$35 members; \$42 nonmembers

Kemper Classroom

Jane Muscroft

Holiday English Tea (MBG)

Travel to England without leaving St. Louis, with the tastes and traditions of an English afternoon tea. Try real clotted cream and homemade scones fresh from the oven, along with other recipes featuring foods and flavors of the holiday season. You will sample roast turkey with cranberry mustard, shrimp in Marie Rose sauce, and finger sandwiches served with a good quality loose tea. Stroll the English Woodland Garden afterwards to complete the experience!

Tuesday, December 6

10 a.m. to noon

\$35 members; \$42 nonmembers

Kemper Classroom

Jane Muscroft

LIVING LOCAL

Get to Know Your Favorite Food: Coffee, Part 1 (CBEC)

For people who care where their coffee comes from, Frank McGinty and Tyler Zimmer of Kaldi's Coffee will explain the company's Relationship Program, which focuses on purchasing coffee direct from the growers. We will also discuss the current practices and state of coffee growing and processing, especially focused on Costa Rica, Burundi, and Colombia. And of course, there will be plenty of samples!

Saturday, October 15
10 to 11:30 a.m.

\$24 members; \$29 nonmembers
Commerce Bank Center for Science
Education—Room 126
Frank McGinty and Tyler Zimmer

Get to Know Your Favorite Food: Coffee, Part 2—Field Trip to Kaldi's Roasting Facility

Discover not only where your coffee comes from, but see (and smell) the actual process firsthand! We'll meet at St. Louis-based Kaldi's Coffee Roasting Company where Frank McGinty will discuss the current practices and state of coffee growing and processing. Afterwards, we'll tour the roasting facility and finish with a professional "cupping."

Saturday, October 22
10 a.m. to noon

\$24 members; \$29 nonmembers
Kaldi's Coffee Roasting Company
(700 St. Bernard's Lane, St. Louis)
Frank McGinty and Tyler Zimmer

Get to Know Your Favorite Food: Beer (CBEC)

So many beers, so little time! Some people may argue that the greatest invention in the history of mankind is beer, but we think you should decide for yourself. Before you do, though, you might want to learn more about the process and production behind all of those ales and lagers. Join representatives from Schlafly Bottleworks to learn about the history and production of beer, including what sustainable choices are out there.

Must be 21 years or older to register.

Wednesday, November 9
6:30 to 8 p.m.

\$24 members; \$29 nonmembers
Commerce Bank for Science Education—
Room 126
Katy Mike Smaistrila

Get to Know Your Favorite Food: Tea (CBEC)

After water, tea is the most popular nonalcoholic beverage in the world. Green, black, oolong, white, and herbal—there are so many options out there, how does a person know where to start? Enter Kateri Meyer of Traveling Tea, who will help us unravel this mystery as well as discuss sustainable practices in the production and purchasing of tea. And, as always, samples will be provided!

Thursday, January 12
7 to 8:30 p.m.

\$24 members; \$29 nonmembers
Commerce Bank Center for Science
Education—Room 126
Kateri Meyer, Traveling Tea

A Fish Tale (MBG)**NEW!**

Do you need to add more fish to your diet and/or eat more seasonally? Join us for a wonderful menu that is sure to please. Vicki will show you how to make whole roasted wild caught salmon, warm potato salad, and roasted tomatoes. And for a happy ending, enjoy a fresh, fall apple dessert.

Tuesday, October 18

7 to 9 p.m.

\$40 members; \$48 nonmembers

Kemper Classroom

Vicki Bensinger

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. You'll learn the old-fashioned techniques you can use in your own kitchen, and get some ideas about how to 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.

Monday, October 24

7 to 9 p.m.

\$35 members; \$42 nonmembers

Missouri Room

Brian Pelletier

Urban Homesteading: Brew It Yourself (MBG)

Taking the "DIY" vibe of the urban homesteading movement a step further, learn how to "brew your own" with local experts from a city with a rich brewing tradition. Brewing your own beer and cider can shrink your environmental footprint through reducing packaging and transportation and reusing refillable jugs and bottles. Plus, it's just fun! Join us for a demonstration and lively discussion on the importance of drinking locally.

Wednesday, December 7

6:30 to 8:30 p.m.

\$24 members; \$29 nonmembers

Kemper Classroom

Katy Mike Smaistrla

Chocolate Therapy (MBG)

Who says chocolate is bad for you? 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 learning about and sampling chocolate pairings with a variety of wines. Designed only for adults ages 21 and older.

Monday, November 7

7 to 9 p.m.

\$35 members; \$42 nonmembers

Missouri Room

Kim Petzing and Brian Pelletier



GREEN LIVING

GREEN GARDEN

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 the basics. Each participant will leave with a simple outdoor bin and enough information to begin composting right away. *This program is supported by St. Louis Jefferson Solid Waste Management.*

Monday, November 7

6 to 7:30 p.m.

\$45 members; \$54 nonmembers

Commerce Bank Center for Science

Education—Rooms 126 and 127

Katy Mike Smaistrla

Backyard Chickens (CBEC)

Interested in keeping a few chickens in the backyard? Raising chickens is a fun and exciting journey in any setting! Join Jessica Stafos of CoopLa for this introductory session on how to raise and keep chickens in urban and suburban environments. Learn about the benefits of keeping chickens, resources for coop building and hen selection, local ordinances, and more.

Wednesday, September 14

OR

Tuesday, January 24

7 to 8:30 p.m.

\$25 members; \$30 nonmembers

Commerce Bank Center for Science

Education—Room 126

Jessica Stafos

Rainwater Harvesting (MBG)

Capturing rainwater for re-use is good for the environment and saves you money! Local experts will explain the history of water use and treatment in St. Louis while introducing a variety of simple tools to use in your yard, such as rain barrels and rain gardens, to aid in water conservation.

Thursday, February 23

7 to 9 p.m.

\$16 members; \$19 nonmembers

Kemper Classroom

Bruce Litzsinger, MSD; Eric Karch, River des

Peres Watershed Coalition, and more



See "The Buzz on Bees"
on page 19 for a class
on beekeeping.

Cashing in on Home Comfort (CBEC)

Make your home energy efficient, healthy, and comfortable while also saving money! We'll discuss simple things you can do as well as the benefits of a whole-house energy assessment. The Home Performance with ENERGY STAR program will also be explained. Pizza and drinks provided. Program is offered three times; need only attend one.

Thursday, November 10

OR

Tuesday, December 6

OR

Thursday, January 19

6:30 to 8 p.m.

\$16 members; \$19 nonmembers

Commerce Bank Center for Science

Education—Room 129

Korey Hart

The Local Green Web Presence (CBEC)

The World Wide Web is connecting St. Louis in many ways, including spreading access to green goods and sustainable services. Join guest bloggers, online store owners, and other website hosts as we explore the local and online green scene. A laptop would be useful if you would like to bring one for this interactive class.

Wednesday, November 16

6:30 to 8 p.m.

\$16 members; \$19 nonmembers

Commerce Bank for Science Education—
Room 126

Katy Mike Smaistrla

A Focus on the First “R”—Buyer Beware on Buy Nothing Day! (CBEC)

Be a part of the solution by bringing less home in the first place! Helpful hints range from simple steps to reduce packaging waste to larger lifestyle changes like celebrating “Buy Nothing Day” on November 25. You'll walk away with new ideas to save time, money, and natural resources. *This program is supported by St. Louis Jefferson Solid Waste Management.*

Monday, November 21

6 to 7:30 p.m.

\$16 members; \$19 nonmembers

Commerce Bank Center for Science

Education—Room 129

Katy Mike Smaistrla

Gallery Talk: Sustainability and the Built Environment of the St. Louis Region

You are invited to attend an exclusive viewing of the upcoming exhibit at the St Louis Artists Guild. Join exhibit organizers Dana Gray and Richard Reilly for lively conversation and artistic critique of this artwork examining of where we stand, as a culture of consumption, and where we may be headed in the future. This special evening may also provide you an opportunity to meet the artists and designers juried in the exhibit, and perhaps see even yourself as an artist and agent of social change! Registration required.

Friday, December 9

5:30 to 7:30 p.m.

Free; registration required

St Louis Artists Guild (2 Oak Knoll Park,
St. Louis, MO 63105)

St. Louis Artists Guild members

Reduce, Reuse, Recycle, and DIY: Eco-Friendly Furniture Restoration (CBEC)

Where some people only see a piece of junk, others see possibility. In this class we'll discuss the basics of how to give an old piece of furniture a facelift without harming the environment or your health. We'll walk you through what you need to get started on breathing new life into old furniture to keep it out of the landfill!

Saturday, January 14

11 a.m. to 2 p.m.

\$45 members; \$54 nonmembers

Commerce Bank Center for Science

Education—Rooms 126 and 127

Jenny Murphy, Perennial

Eating Lower on the Food Chain: A Study in Culinary and Environmental Choices (MBG)

Every time we sit down to eat, we make choices regarding our health and our personal and political beliefs. Join a vegetarian environmentalist and a professional chef for dinner as we share favorite meatless recipes and discuss the impact that eating locally and lower on the food chain can have. Perfect for the “veggie-curious!”

Thursday, January 26

7 to 9 p.m.

\$32 members; \$39 nonmembers

Kemper Classroom

Katy Mike Smaistrla



White Roofs/Green Roofs (CBEC)

Different types of roof coverings can slow down storm water runoff, help keep buildings cool—and even cool our cities! Get to the bottom of these building toppings with Jill Miller of White Caps, Green Collars and a national green roof expert, Kelly Luckett of Green Roof Blocks. Learn the benefits, practicality, and logistics of how solar-reflective roof coatings or plants might be a wonderful choice for your rooftop.

Thursday, February 9

7 to 9 p.m.

\$25 members; \$30 nonmembers

Commerce Bank for Science Education—
Room 126

Jill Miller, White Caps, Green Collars; and
Kelly Luckett, Green Roof Blocks

OPEN HOUSES, TOURS, & SPECIAL EVENTS

Green Homes & Great Health Festival (MBG)

Help your family live green—and live healthier! Celebrate sustainable living and explore ways to maintain a healthy you and a healthy planet. Bring your home improvement ideas and talk with over 100 green product and service exhibitors. Talk one-on-one with Washington University physicians and experts about a variety of health issues and cancer prevention tips. Enjoy local foods, yoga and tai chi, live music, solar car races, free health screenings, and shopping

the Green Marketplace. Help paint a Metro bus, explore the giant inflatable human colon, and learn from expert workshops and talks about the many ways that plants, air, water, soil, and energy sustain our homes, our health, and our living Earth.

Saturday, September 24
9 a.m. to 5 p.m.

Missouri Botanical Garden
Free with Garden admission

Presented by EarthWays Center of Missouri Botanical Garden, Siteman Cancer Center, Barnes-Jewish Hospital and Washington University School of Medicine

ENERGY & RESOURCES AROUND US TOURS

These tours are designed to help us each become more aware of and understand our area's natural resources. We'll also discover just how important each is to us in terms of energy production and sustainable practices. Groups will meet at Commerce Bank Center for Science Education and travel to each site via a chartered bus. Lunch is included in the price of the program.

The River Connection (MBG)

We'll start our day at the Lewis and Clark Confluence Tower for a guided tour and history of the river and its resources, particularly pertaining to the region. Afterwards we'll visit the Melvin Price Locks and Dam for a guided tour and also spend some time exploring the National Great Rivers Museum. Afterwards, we'll travel down the road a bit for some lunch and a tour of the National Great Rivers Research and Education Center; a model of "green construction" with renewable energy systems—including their new water turbines, water recycling systems, and minimal environmental impacts.



Saturday, October 8
8:30 a.m. to 2:30 p.m.

\$50 members; \$60 nonmembers

Meet at Commerce Bank Center for Science Education to park (west parking) and load bus; participants will be sent site information and restrictions/regulations prior to visit.

Kim Petzing and guest speakers

Green Roofs, Biofuels, and Water

We'll travel to Southern Illinois University Edwardsville (SIUE) to tour the Environmental Resources Training Center—the Illinois center for continuing education of personnel involved with the operation, maintenance, and management of drinking water and wastewater treatment systems. The facility also boasts a new 120-foot tall wind generator and 140 solar panels. Next, we'll visit the National Corn to Ethanol Research Center—the only center of its kind in the world! Here we'll hear an overview of the status of the biofuels industry and policy and then receive a guided tour of the facility. After a lunch on site, we'll meet with members of SIUE's Green Roof Environmental Evaluation Network (GREEN) to learn and see how SIUE engineers and scientists are evaluating the environmental benefits of green roof technology and the performance of various green roof materials and techniques.

Friday, November 11

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

\$50 members; \$60 nonmembers

Meet at Commerce Bank Center for Science

Education to park (west parking) and load bus; participants will be sent site information and restrictions/regulations prior to visit.

Kim Petzing and SIUE faculty and staff

Energy and Sustainability at Washington University in St. Louis

We'll learn about WUSTL's commitment to efficient operations and cutting-edge research in energy and sustainability. We will visit the Photosynthetic Antenna Research Center (PARC) to learn how PARC is working to improve our knowledge of how photosynthetic organisms collect energy through photosynthesis and applying that knowledge to improve solar power technologies. Visit LEED Gold-certified Brauer Hall and learn about the on-site wind turbine and solar panels, rainwater harvesting system, and innovative, energy-efficient design. After lunch on campus we'll tour the Advanced Coal and Energy Research Facility (ACERF) to learn more about the development and testing of new technologies for reducing the environmental footprint of coal combustion, with emphasis on reducing carbon and pollutant emissions through carbon capture and CO₂ utilization. We'll finish the tour with a look at technologies WUSTL is employing to conserve energy in its campus-wide facilities operations.

Saturday, January 28

9 a.m. to 2 p.m.

\$50 members; \$60 nonmembers

Meet at Commerce Bank Center for Science

Education to park (west parking) and load bus; participants will be sent site information and restrictions/regulations prior to visit.

Rachel Rugirello and other Washington University faculty and staff

NATURE STUDY

Birding II (MBG)

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

Wednesday, September 7: Mondays,
September 19, October 10, 24; November
14; December 5

7 to 9 p.m.

Field trips: Saturday, September 10; Sunday,
September 25; Saturday, October 15;
Sunday, October 30; Saturday, November
19; Sunday, December 11

Approximately 7 a.m. to 2 p.m.

\$250 members; \$300 nonmembers

Botanical Room

William Rowe

Wildflower Identification and Ecology (SNR)

For adults only. This course will focus on identification, relationships, and habitats of wildflowers and native grasses of the season. Beginners, as well as serious students of wildflowers, will increase their knowledge and appreciation of the rich floral diversity of Shaw Nature Reserve's woods, prairie, and wetland. Come ready for moderate hiking with notebook in hand! Sign up for either or both sessions.

Saturday, September 10

OR

Saturday, October 8

9 a.m. to noon

\$16 members; \$19 nonmembers

Meet at Visitor Center

James Trager

Attracting Native Bees and Pollinators to Your Garden (MBG)

NEW!

Discover the diversity of native bees and their importance to our environment. Mike Arduser will introduce you to the fascinating lives of our native bees and their connection to our gardens. Some native bees are solitary and never create honeycomb like honeybees. Most native bees are calm and non-aggressive, contrary to the reputation of yellow jackets. You will learn a variety of plants to grow as nectar or host plants as well how to create nesting sites for these wonderful insects.

Tuesday, October 18

7 to 9 p.m.

\$25 members; \$30 nonmembers

Missouri Room

Mike Arduser

Natural History Adventure: Bootheel Field Trip (MBG)

Join us for this three-day natural history adventure in southeast Missouri. Traveling by van, we will take you to some of the best natural sites in the region including Sand Prairie, Ten Mile Pond, and Otter Slough Conservation Areas; Big Oak Tree State Park; and Mingo National Wildlife Refuge. There will be a special focus on the multitude of birds that are resident or migrating through as well as trees, flowers, butterflies, and other life forms. We will stay in moderately priced motels on Friday and Saturday, returning to the Garden by 5 p.m. on Sunday. Participants must be able to take walks of up to two miles and to ride in a van for up to two hours at a stretch. Fee is all inclusive except for meals, which will be the responsibility of the participant. Field trip details will be sent prior to trip.

Friday, September 30, 6 a.m., through
Sunday, October 2, 5 p.m.

Single occupancy: \$375 members,
\$450 nonmembers

Double occupancy: \$300 members,
\$360 nonmembers

Meet at Commerce Bank Center for Science
Education west parking lot.
Bill Rowe and Dr. James Trager

Trees of the Shaw Nature Reserve (SNR)

For adults only. Impress friends and family with your newfound tree expertise after experiencing this expert-led tour. Shaw Nature Reserve is blessed with a great variety of trees due to its varied topography and soil types. This program emphasizes native trees of Missouri, identification by leaf, fruit, and bark, and typical habitat, with special emphasis on the oaks. During this hike through the habitats, we will also search out some of the giant trees of the Reserve and less known species of small trees.

Saturday, October 15
9 a.m. to noon

\$20 members; \$24 nonmembers

Meet at Visitor Center
James Trager

It's Your Weekend Overnight (SNR)

For adults (men and women): Are you looking for a little time to yourself to do whatever you want, either by yourself out on the trails, or in a lodge, or with others in front of a fire? Always an optional night hike is offered. Accommodations are dormitory style in our historic log lodges. All meals provided. Absolutely optional: Artisans Barbara and Tom Johnson will be on hand to teach felting custom fitted mittens, starting with wool roving as a base, and making a simple broom (a cobwebber) using natural broom corn and a native sassafras handle.

Saturday, February 4, 9 a.m., through
Sunday, February 5, 11 a.m.

\$80 members; \$96 nonmembers

Dana Brown Overnight Center
Helen McCallie

Native American and Pioneer Healing

We may look at a wild field in Missouri and see beautiful wildflowers or pesky weeds, but Native Americans and pioneers in this area saw a rich pharmacopeia of medicinal plants, and used the local flora to treat a wide variety of ailments.

At Missouri Botanical Garden

Take a tour through our Sacred Seeds Garden, which includes local tall grass prairie and shade plants, to enjoy these plants in their natural habitat. See demonstrations of medicinal harvesting, learn traditional techniques for transforming local plants into medicinal remedies, and celebrate the importance of the local Missouri flora to Native Americans and pioneers.

Saturday, September 10
1 to 3 p.m.

\$30 members; \$36 nonmembers
Kemper Classroom
Ashley Glenn

At Shaw Nature Reserve

On a tour through Shaw Nature Reserve's tallgrass prairie and woodlands, we will enjoy these plants in their natural habitat, see demonstrations of medicinal harvesting, and learn traditional techniques for transforming local plants into medicinal remedies. While making our own safe and effective remedies from these plants, we can celebrate the importance of the local Missouri flora to Native Americans and pioneers and bring some of this rich history into our own lives.

Saturday, October 29
9 a.m. to noon

\$30 members; \$36 nonmembers
Adlyne Freund Center
Ashley Glenn and MBG staff

Valentine's Night Hike (SNR)

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

Saturday, February 11
7 to 10 p.m.

\$24 members; \$29 nonmembers
Dana Brown Overnight Center
SNR Staff

Midwestern Butterflies

Identification Workshop (BH)

In this two-day workshop, you will learn how to identify most butterfly and moth species commonly seen in Missouri. During these indoor sessions we will cover the common names, scientific names, biology, and distribution of these beautiful insects. *Look for future spring field trips to local parks and natural areas to test out your identification skills.*

Saturdays, February 18 and February 25
2 to 4 p.m.

\$45 members; \$54 nonmembers
Lopata Learning Lab
Mandi Newton

HORTICULTURE FOR HEALTH AND WELL-BEING

Stay Strong, Stay Healthy:

For Seniors (MBG)

Enjoy the beauty of the Garden during this 10-week strength training program for seniors. 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 the weather.

Wednesdays: September 7, 14, 21, 28;

October 5, 12, 19, 26; November 2, 9
10 to 11 a.m.

\$54 members; \$65 nonmembers

Missouri Room

Mary Wissmann MS, RD, LD

Meditations in the Garden (MBG)



Explore the treasures of the Garden through the senses during this four-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 the weather. Moderate walking required.

Fridays, September 9, 16, 23, 30 (Rain dates:

October 7 or 13)

9:30 to 11 a.m.

\$75 members; \$90 nonmembers

Garden Room

Rhonda Leifheit

De-stressing with

Flowers (MBG)

Take time for yourself! De-stress while arranging beautiful flowers of the season.

10 to 11:30 a.m.

\$18 members; \$21 nonmembers

Missouri Room

Jennifer Smith

Late Summer Harvest Arrangement

Friday, September 16

Thanksgiving Arrangement

Monday, November 21

10 to 11:30 a.m. OR 1 to 2:30 p.m.

Winter Wonderland Arrangement

Friday, December 16

Seasonal Fitness Walks (MBG)

Many of us miss the beautiful, ever-changing 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.

10 to 11 a.m.

\$6 members; \$7 nonmembers

Meet at Ridgway Ticket Counter

Donald Frisch

Late Summer Fitness Walk

Monday, September 19

Fall Fitness Walk

Monday, October 17

Winter Fitness Walk

Monday, December 5

Vinyasa Flow Yoga at Shaw Nature Reserve (SNR)

Vinyasa flow yoga is based on Astanga yoga. This is an open level class for all fitness levels. We will concentrate on connecting the *ujjayi* breath as you flow from one movement to the next, stretching the muscles, improving posture, and working the core. Bring awareness to the present moment as you release tension and anxiety with every exhale. Build strength, stamina, and increase your flexibility. Become a focused, relaxed, and happier you.

Wednesdays, October 12 to November 16
6:30 to 7:30 p.m.

\$42 members; \$50 nonmembers

Carriage House
Barbie Benetin

Wednesday Walkers (SNR)

For adults only. Each Wednesday, sign in at the Visitor Center, grab a map, and then gather nearby to meet the other Wednesday Walkers. The walk averages 1½ to 2 hours, allowing time to stop, look, listen, and converse. At the end of eight weeks you will have hiked most of the trails and made new friends. The final walk will be “Reward Wednesday.” No reservations taken. Pay each time on arrival.

Every Wednesday in September and October
10 to 11:30 a.m.

\$1 members; \$4 nonmembers

Meet at the SNR Visitor Center
SNR staff

YOUTH & FAMILY PROGRAMS

AGES 2-6

Strollerobics (MBG)

Work out at the Garden with trained fitness instructors! Strollerobics (eight-week series) is a fun 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 socialize with other parents!



Tuesday Series

September 6, 13, 20, 27; October 4, 11, 18, 25

Tuesday Evening Series

September 6, 13, 20, 27; October 4, 11, 18, 25
6 to 7 p.m.

Wednesday Series

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

Thursday Series

September 8, 15, 22, 29; October 6, 13, 20, 27

Friday Series

September 9, 16, 23, 30; October 7, 14, 21, 28

9:30 to 10:30 a.m.

\$52 members; \$62 nonmembers

Check in at Ticket Counter

Little Sprouts: Fall Series (MBG)

For ages 2-3. Learn about plants and nature with your toddler during this seven-week series. This fall, participants will learn about a different type of plant (like flowers, herbs, bushes, or vines) during each class. Each session includes indoor, hands-on activities, songs, stories, snacks, and a walk in the Garden. Pricing includes one adult and one child.

10 to 11:30 a.m.

\$98 members; \$118 nonmembers

Botanical Room

Kelly Wehrheim

Fall Monday Series

Mondays, September 12, 19, 26 & October 3, 10, 17, 24

Fall Tuesday Series

Tuesdays, September 13, 20, 27 & October 4, 11, 18, 25

Fall Wednesday Series

Wednesdays, September 14, 21, 28 & October 5, 12, 19, 26

Little Sprouts: Winter**Series** (MBG)

For ages 2–3. Learn about plants and nature with your toddler during this four-week series. This winter, participants will visit the “houses” at the Garden and learn about the plants growing inside. Each session includes indoor, hands-on activities, songs, stories, snacks, and a walk in the Garden. Price includes one child and one adult.

10 to 11:30 a.m.

\$56 members; \$67 nonmembers

Botanical Room

Kelly Wehrheim

Winter Monday Series

November 21, 28; December 5, 12

Winter Tuesday Series

November 22, 29; December 6, 13

Little Acorns (SNR)

For ages 3–5. Each class will include hands-on activities, a story, snack, and a craft. Cost is per child.

9:30 to 11:30 a.m.

\$14 members; \$17 nonmembers

Carriage House

Karen Bryan

Little Acorns: Earthwalk

Come and explore Shaw Nature Reserve using your five senses. Join us as we make a scent sack, find the colors of the rainbow, look for insects, listen for wildlife, and taste what nature has to offer.

Tuesday, September 6

Autumn Celebration

You are invited to join us as we celebrate autumn. We will explore our forest looking for different types of leaves, seed pods, and fall's hidden treasures. We will learn why leaves change colors.

Tuesday, October 4

Feast for the Birds

Come join us as we learn about different bird adaptations. We will make some bird feeders for you to take home and use for your own bird restaurant.

Tuesday, November 1

Garden Buds (MBG)

For ages 4–6. Discover the amazing world of plants with your preschooler in Garden Buds! Price includes one child and one adult. Register by September 15 for three or more Garden Buds classes, and your child will receive a free t-shirt and journal!

10 to 11:30 a.m.

\$14 members; \$17 nonmembers

Botanical Room

Kelly Wehrheim

Veggies Tales

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

Thursday, September 8

Super Seeds

We will learn about how seeds travel and you will take home seeds for your next garden.

Thursday September 22

Leaf the Fun to Us!

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

Thursday, October 13

An aMAZEing Race

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

Thursday October 27

Flytraps and Pitfalls

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

Thursday, November 3

Evergreen: A Special Tree for Me!

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

Thursday, December 8

**Backyard Adventures:
Habitats (BH)**

For ages 3–5. Learn about different areas in our world that bugs can live in, and how they use different parts of their bodies to survive so well. Price includes one child and one adult.

Sunday, January 22

1:30 to 3 p.m.

OR

Wednesday, January 25

9:30 to 11 a.m.

\$12 members; \$14 nonmembers

Lopata Learning Lab

Donna Dupske

Backyard Adventures:**Icky Bugs (BH)**

For ages 3–5. Six legs, eight legs, or more—they are all important to nature. Explore how some bugs are fun, even if a little scary at first. Price includes one child and one adult.

Sunday, February 19

1:30 to 3 p.m.

OR

Wednesday, February 22

9:30 to 11 a.m.

\$12 members; \$14 nonmembers

Lopata Learning Lab

Donna Dupske

AGES 6 AND OLDER**Tree Treasures (MBG)**

For ages 6–10. Join us as we explore the Garden for trees and learn about all the familiar and not-so-familiar products that come from trees. We'll also decorate a picture frame with leaves made from air drying clay. Price includes one child and one adult.

Saturday, September 10

10 to 11:30 a.m.

\$14 members; \$17 nonmembers

Botanical Room

Kelly Wehrheim

Tweet Treats (MBG)

For ages 6–10. The winter can be tough for the birds. So join us as we search the Garden for bird-friendly plants. Then we'll make an easy suet feeder to take home to help out our feathered friends. Price includes one child and one adult.

Saturday, December 3

10 to 11:30 a.m.

\$14 members; \$17 nonmembers

Kemper Classroom

Kelly Wehrheim

Great Green Adventures (MBG)

For ages 6–12. Sign up now or just drop in to explore a special area of the Garden.

10:30 to 11:30 a.m. OR 1:30 to 2:30 p.m.
Free for members; \$3 with Garden admission
nonmember

Doris I. Schnuck Children's Garden Ticket
Fort

Kelly Wehrheim

Seeds and How They Travel

Whether by wind, water, or animal fur, seeds are on the move this time of the year. We'll learn about seeds big and small.

Saturday, September 17

Woodland Wonderland

While investigating the English Woodland Garden, we'll search high and low for leaves of all shapes and colors.

Saturday, October 15

Marvelous Mediterranean

As winter approaches, 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, November 19

Tropical Trek

Let's learn about tropical plants, the rainforest ecosystem and ways to help with conservation.

Saturday, December 17

Evergreen Trees

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

Sunday, January 21

Sweet Smells of Indoor Gardens

Join us as we discover what smells so good in the Linnean House. We'll also be able to enjoy the peak blooming time of the camellias.

Sunday, February 18

Thursdays with Bugs (BH)

For ages 7–13. Join Butterfly House critters on the first Thursday of each month for bug-themed classes with hands-on exploration. Price includes one child and one adult. Ideal for home educators.

1 to 2:30 p.m.

\$12 members; \$14 nonmembers

Lopata Learning Lab

Donna Dupske

Monarchs and Migration

How far have you moved away from home? Explore the 2,000 mile trek of these phenomenal animals.

Thursday, September 1

The Honey Files

Learn and explore the 45 days of life of the average honey bee worker.

Thursday, October 6

Schoolyard Ecology

Put your senses to work and explore our yards.

Thursday, November 3

Animal Coloration

How long was that hiding there? Understand how animals defend against predators.

Thursday, December 1

Butterflies Abound

Use various experiences to learn about butterflies.

Thursday, January 5

Ecosystem Matters

Explore diversity of species and the physical environment.

Thursday, February 9

Kids' Bug Club (BH)

For ages 7–13. Is your child always crawling in dirt with the roly polies or running after bugs with a net? The Butterfly House is looking for bug enthusiasts for our new Kids' Club. Meet on the second Sunday afternoon of every month for insects and games based on the smallest members of the planet. Price includes one child and one adult.

2 to 3:30 p.m.

\$12 members; \$14 nonmembers

Lopata Learning Lab

Donna Dupske, Mandi Newton, Bruno Manoj

A-MAZE-ing Roaches

Can cockroaches learn? What will they teach you?

Sunday, October 9

Butterfly House Public**Event: Edible Insects**

A worldwide practice, all walks of life eat insects. Won't you?

Sunday, November 13, 11 a.m. to 2 p.m.

Included with admission.

Creepy Crawlies

Learn to make a collection and identify insects in your yard.

Sunday, December 11

What's Bugging You?

Explore insect adaptations and design a new species.

Sunday, January 8

Dragons, Houses, and Other Flies

Test food preferences of various insects through simple observations.

Sunday, February 12

TREEmendous Canopy**Climb (SNR)**

For families with children 8 years and older. Join us for this exciting afternoon as we get to know trees from a different perspective. Recreational tree climbing gives you this opportunity! Using special ropes attached high in the canopy by our professional guides from Vertical Voyages you will ascend up into the branches of a mighty oak. Because this is a self-belay system where everyone controls their own ascent, everyone is up in the tree at the same time...no waiting for your turn. We'll spend half of this adventure on the canopy climb and the rest of the time on the ground learning about the other amazing trees of the Reserve. Children under 18 must be accompanied by an adult.

Sunday, October 9

12:30 to 5 p.m.

\$45 members; \$54 nonmembers

Meet at Visitor Center

SNR staff and Vertical Voyages staff

FAMILIES OF ALL AGES

CLASSES

Scarecrow Decorating Class (SNR)

For families. Help us get ready for our “Evening with the Scarecrows” program by decorating a scarecrow and a pumpkin for our jack-o’-lantern trail. Bring your own decorations to make your unique scarecrow and we’ll provide the frame and straw. Each family or group will decorate one scarecrow and one pumpkin. Included with this class will be admission to the evening’s event, “Evening with the Scarecrows.” You may take your scarecrow and pumpkin home at the end of the evening event or the next day.

Saturday, October 15

2:30 to 4:30 p.m.

\$5 members; \$6 nonmembers
(under 3 free)

Meet at Visitor Center
SNR staff

Evening with the Scarecrows (SNR)

For families. Join us for this fun-filled evening as we explore the Whitmire Wildflower Garden along jack-o’-lantern-lit trails. See how many scarecrows you can find along the way as you travel from one activity station to the next. Who knows which creatures of the night will join us as we experience the Reserve during this beautiful time of year? There’s something for all ages on this special evening! Fee is per person.

This program is supported by Maritz.

Saturday, October 15

6:30 to 8:30 p.m.

\$5 members; \$6 nonmembers

Meet at Visitor Center
SNR staff

Family Overnight Sampler (SNR)

For ages 5–10 years old with accompanying adult. Join Shaw Nature Reserve staff for some of the most popular activities from a variety of favorite family overnight programs. Activities may include: Little House books, *Hop*, *Leap*, and *Fly*, and *Without Batteries*. Overnight includes snack and breakfast. Please, one adult per child. Price is per person.

This program is supported by Maritz.

Friday, December 2, 7 p.m., through

Saturday, December 3, 11 a.m.

\$40 members; \$48 nonmembers

Dana Brown Overnight Center
Karen Bryan and Aileen Abbott

DROP-IN FAMILY ACTIVITIES

Discover Nature Families:

Discover the Nature

Explore Classroom (SNR)

Come and explore our Nature Explore Classroom, hear a story, and do some hands-on activities. What a fun way to spend a morning! Spend five minutes or a half hour with us. No pre-registration necessary.

Saturday, September 17

9 a.m. to noon

Free with SNR admission

Meet at SNR Nature Explore Classroom

SNR volunteers

Monarch Migration

and Tagging (BH)

For all ages. One of the greatest migrations is made by one of the smallest beings, the monarch butterfly. Find out how by learning about their life cycle and migration patterns. Live butterflies will be available for tagging.

Sunday, September 25

11 a.m. to 2 p.m.

Price included in Butterfly House admission

Lopata Learning Lab

Chris Hartley

Edible Insects (BH)

For all ages. Sample real cooked insects and learn how insects are a common supplement to worldwide diets by playing our insect-eating games.

Sunday, November 13

11 a.m. to 2 p.m.

Price included in Butterfly House admission

Lopata Learning Lab

Chris Hartley

Bootterflies (BH)

For ages 2–13; “Bootterful” crafts and spooktacular activities are a few of the things awaiting you at the Sophia M.

Sachs Butterfly House.

Saturday, October 22 and Sunday,

October 23

11 a.m. to 2 p.m.

Included with Butterfly House admission

Lopata Learning Lab

Amy Hammann

Naturally Crafty Saturdays (BH)

For ages 2–13

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

Included with Butterfly House admission

Lopata Learning Lab

Jessica Deering

Saturday, September 17

Let nature inspire your work! Paint using plants, make pounded flower imprints, and much more!

Saturday, October 1

Make a paper flower, design an owl butterfly pin, and explore the use of color with orchids.

Saturday, February 4

Come learn about insect life cycles by making bugs and their babies.

Saturday, February 18

Winter got you down? Come visit our tropical butterflies and create some fun craft projects.

SPECIAL EVENTS

Flying Wild Festival (SNR)

What's it like to be a bird? How do they fly? And what makes a bird a bird? Join us for 30 minutes or spend a couple of hours with us as we explore the life of birds through a variety of educational and fun hands-on activities designed for all ages. Free with admission and no prior registration needed.

Saturday, October 8
10 a.m. to 2 p.m.

Free with Shaw Nature Reserve admission
Bascom House/Pavilion Area
Karen Bryan and Aileen Abbott

Hot! Hot! Hot! (BH)

Shake off the cold weather blues and join in the fun tropical-themed, kid-friendly activities, games, and crafts that will make you go absolutely buggy. Includes live steel drum music, a toddler sandbox, and face painting.

Saturday, January 28 and Sunday,
January 29

11 a.m. to 2 p.m.

Included with Butterfly House admission
Lopata Learning Lab
Amy Hammann

CALLING ALL SCOUT LEADERS!

The Missouri Botanical Garden, Shaw Nature Reserve, and the Sophia M. Sachs Butterfly House offer a variety of nature-inspired, hands-on programs for Girl Scouts and Boy Scouts. From afternoon and weekend classes to unique overnight experiences to community outreach initiatives, our year-round programs are aligned with Scout badges and themes. Come explore and discover with us! Learn more at www.mobot.org/scoutprograms



CLASS INFORMATION/POLICIES

Location of Classes: Site maps are available at www.mobot.org/classes. Please refer to your confirmation of registration that you receive via e-mail or mail for details on where each class is being held.

Class Information & 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 e-mailed if an opening occurs.

Accommodations & 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 (or cost of class if less than \$5), will be issued, unless otherwise noted. Refunds cannot be issued for missed classes or cancellations 5 or less business days prior to class. A business day is defined as Monday through Friday 8:30 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 less than 2 weeks or missed programs.
- Many classes will allow you to send an alternate participant if you are

unable to attend. Please contact the appropriate site prior to sending an alternate.

- 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.

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.

Questions: For questions and registration process information on classes at all sites please call (314) 577-5140 or e-mail classes@mobot.org.

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

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REGISTRATION FORM

Name: _____ Gender*: _____

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

Address: _____ City/State/Zip: _____

Home 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 Verification Code: _____

Signature: _____

Mail to:

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

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



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

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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**